

Suppl.Table 3. The basic statistic of all 6331 genes of GEO dataset were presented.

Entrez ID	Normal.Mean	Normal.Max	Normal.Min	Normal.MFC	Normal.SD	Normal.CV
9	6.065263245	7.378015399	5.263875084	1.401631931	0.366212984	6.037874525
10	3.794838129	6.599758602	-1.256308483	-5.253294626	0.64495192	16.99550542
12	5.726144384	8.538036145	3.547458301	2.406803807	0.846148601	14.77693443
13	3.98781821	6.149823716	1.154270001	5.327890103	0.705844602	17.70001953
14	8.042402459	8.878580882	7.389002327	1.201594003	0.268002436	3.332367881
15	3.942356365	7.433258846	3.302410325	2.25085865	0.434739136	11.02739316
16	8.858341368	9.86317636	7.472780171	1.319880437	0.318046373	3.590360312
18	7.665583295	9.249638886	6.253594458	1.479091577	0.573172725	7.477222585
19	6.129917898	6.79160484	5.166865388	1.314453606	0.271961565	4.436626554
21	7.376606527	8.866656122	6.180057194	1.434720723	0.457329948	6.199733524
22	7.05749063	7.781711743	5.501244989	1.414536484	0.298054833	4.223240929
23	7.821215605	8.325292596	7.103510548	1.171996936	0.232306921	2.970215022
24	4.181156331	7.182129146	2.570305341	2.794270793	0.469849721	11.23731533
25	7.937619026	8.962229261	7.01548551	1.277492377	0.329666503	4.1532165
26	4.200653764	6.626395569	1.479911888	4.477560876	0.639558653	15.22521705
27	5.71107189	6.622918948	4.516137358	1.466500778	0.305904396	5.356339433
29	5.501082564	7.133429487	4.23395589	1.684814314	0.381938506	6.942969883
30	7.659539636	8.388117229	7.144547742	1.174058531	0.227401786	2.968870157
31	5.906959994	6.665950879	4.923313171	1.353956299	0.26297278	4.451914017
32	6.113836737	7.334972431	5.390796307	1.360647298	0.310253097	5.074605532
33	6.917202264	8.441007863	5.014250836	1.683403591	0.642348447	9.286246414
34	8.849493801	9.760292046	5.43562954	1.795613916	0.415919848	4.699928121
35	6.680127771	8.818926913	4.225359403	2.087142435	0.520647726	7.793978551
36	6.405900993	7.308115487	5.819652234	1.255764983	0.304089293	4.747018308
39	6.419581945	7.294861193	1.217319663	5.99256006	0.570214184	8.882419279
41	4.344100486	5.472036546	2.659142205	2.057820201	0.363139385	8.359368892
43	4.589893353	5.518498508	3.80798463	1.449191382	0.247427096	5.390693782
47	7.598078297	8.148067318	6.100535962	1.335631389	0.284819464	3.748572381
48	6.963614948	8.299449331	5.945239581	1.395982318	0.437537752	6.283198523
50	7.131991271	7.693128503	5.583145203	1.377920191	0.333417356	4.674954624
51	5.892381719	7.28745943	5.067450206	1.438091966	0.28083081	4.76599825
53	7.236781632	8.213657369	6.33646277	1.296252762	0.31463071	4.347660689
54	5.591621692	9.06236258	3.668259212	2.470480426	1.034585617	18.50242513
56	4.210591481	5.363178831	3.028809035	1.770722013	0.31041103	7.372147871
58	4.436921298	11.42387505	1.680325683	6.798607651	1.079322474	24.32593235
59	6.624289069	7.789212881	5.109721784	1.524390801	0.429721131	6.487052823
60	11.25747411	12.13298628	9.491810378	1.278258393	0.380469975	3.379709969
72	5.617107823	6.874161498	4.447976479	1.54545815	0.405386187	7.216991377
89	4.404928044	5.893167568	1.465845154	4.020320668	0.424216373	9.630494962
90	8.39092543	9.485923824	7.455941625	1.272263693	0.383194222	4.566769485
91	5.369060646	6.102841637	4.40086765	1.386736008	0.233633904	4.351485659
92	6.820922527	7.735289335	6.084184589	1.271376505	0.288064213	4.223244164
93	5.525669656	6.267770258	4.763769268	1.31571659	0.292021903	5.284823754

94	6.161584927	7.29112151	5.052066145	1.443195972	0.323779337	5.254806048
97	7.245850624	8.015536272	6.154806341	1.302321442	0.366705789	5.060907387
100	5.711451319	8.720328875	3.24135193	2.690336953	0.783891674	13.72491212
101	4.780023343	5.863006349	2.906243315	2.017383169	0.447306781	9.357836753
102	7.454939987	8.374612904	6.588297764	1.271134549	0.377825519	5.068122876
103	9.175476207	9.682485707	8.288974888	1.168116183	0.243821181	2.657313647
104	5.089572738	5.702232711	4.016506217	1.41969971	0.234265965	4.602861118
108	4.283677607	6.093093872	2.996529122	2.033383833	0.362223733	8.455905556
112	6.345215138	6.980997672	5.676627412	1.229779086	0.257402965	4.056646777
113	5.180737489	6.554039146	4.069140957	1.610668988	0.49458111	9.546538703
115	6.552758382	7.696644347	5.798004005	1.327464476	0.350959808	5.355909495
116	4.225069991	7.577496407	1.783972528	4.247540973	0.6693975	15.84346535
117	4.544857991	5.854457836	3.685961328	1.588312333	0.343494156	7.557863342
118	7.176667903	7.537298535	6.712785288	1.122827293	0.159751858	2.22598928
119	4.969135293	9.049876969	3.810125985	2.375217251	0.770719456	15.51013227
120	9.423432761	10.42936875	8.519540999	1.224170263	0.336737408	3.573404896
123	6.26440676	7.144147298	4.567158244	1.564243434	0.330734575	5.279583328
125	6.002134273	8.894293895	3.57010583	2.491324997	0.871456973	14.51911826
126	4.587565039	7.167428054	1.273961378	5.626095246	0.795204406	17.33391025
128	8.339371168	9.224550421	7.491447762	1.231344156	0.299101022	3.586613615
130	3.966496896	6.562513356	2.564520597	2.558963014	0.424076364	10.69145835
132	6.753312065	8.033047576	5.999060744	1.339050881	0.361265716	5.349459828
133	7.056114564	9.656365869	5.919759017	1.631209284	0.69153634	9.800525965
134	5.204135562	6.8128246	3.791815167	1.796718537	0.459939351	8.837958681
136	4.214889143	4.940473236	0.266441537	18.54242881	0.688493422	16.33479312
142	7.782321845	9.252331538	5.81862871	1.590122347	0.468842033	6.024449292
143	7.899445386	8.653441456	6.972721129	1.241042241	0.299693955	3.793860718
146	4.146365643	6.06455546	2.062107105	2.940950761	0.464932871	11.21302151
147	4.263196771	5.421582465	2.430456932	2.230684441	0.360126544	8.447335719
150	5.542435129	7.934704573	4.102101486	1.934302357	0.925778039	16.70345287
152	5.145981948	7.94837817	3.006442516	2.643781854	0.507096549	9.854223236
154	5.483162924	6.880872719	3.898073723	1.7651982	0.545188926	9.942964194
155	4.258735951	6.571806728	3.240283527	2.028157929	0.350853076	8.238432255
156	5.792631724	6.753962814	5.05557275	1.335944145	0.308109563	5.318991048
157	5.821855313	6.638752941	3.751367863	1.7696886	0.395781863	6.798208503
158	7.520372638	8.431711217	6.84277689	1.23220607	0.278999229	3.709912295
159	6.092293076	7.335730745	4.632843341	1.583418692	0.347491265	5.703784451
161	6.596919876	7.593099838	5.804330535	1.308178401	0.238335076	3.612823566
162	6.936004038	8.371960507	6.098061805	1.37288876	0.332919063	4.799868363
163	7.883298244	8.732166914	6.966460371	1.253458205	0.311185105	3.947397332
164	7.350545923	8.475613862	6.452647356	1.31350954	0.245708573	3.342725499
165	7.899728425	9.541185637	5.489693461	1.738017925	0.574531155	7.272796276
166	8.706195275	9.754308896	7.988872162	1.22098698	0.318886903	3.662758453
167	3.512480649	6.550032968	1.885849595	3.473253108	0.516009762	14.69075033
174	3.991513269	4.99943758	0.031102886	160.7387058	0.685619444	17.17693009
175	7.497739896	8.562151743	6.849379082	1.250062471	0.304360733	4.059366389
176	4.672813579	5.442777342	3.696143954	1.472555563	0.246593581	5.277197062

178	7.953251655	8.658877733	7.213053145	1.200445575	0.278793353	3.505400877
183	5.794641144	7.499763327	4.808150846	1.559802004	0.471959487	8.144757805
185	5.699894068	7.482835205	3.919989492	1.908891649	0.756590044	13.27375623
187	6.46181783	7.782236703	5.299888327	1.468377487	0.530385614	8.207993913
189	4.542400164	5.849488505	4.029511448	1.451661965	0.286293483	6.302691813
190	3.757369658	5.651294986	0.687427807	8.220928695	0.433386378	11.53430238
196	7.734551871	8.952702851	5.737847458	1.56028945	0.569092709	7.357798079
197	4.091869906	5.753956192	2.546477195	2.259574994	0.436904672	10.67738423
199	6.560755781	8.21380408	3.852401443	2.132125689	0.705968389	10.76047353
202	6.537993541	8.53966131	4.798735461	1.779564925	0.711778763	10.88680738
203	6.927657484	8.503230139	4.866878974	1.74716285	0.469076128	6.771064082
204	6.933616919	7.507528907	6.084171793	1.233944268	0.172517135	2.488126136
207	7.494035961	8.148534782	6.505177418	1.252622989	0.306210031	4.08604966
208	6.356092155	7.291779243	3.781477367	1.928288479	0.465182778	7.318691527
210	6.538267924	7.106608284	5.848301838	1.215157576	0.250243325	3.827364182
211	7.468886787	8.522219875	6.298809795	1.352988922	0.375403911	5.026236459
212	4.310425471	6.925011716	2.295628967	3.016607569	0.459597945	10.66247283
213	3.815369179	5.275827929	1.803623981	2.925126293	0.385910301	10.11462543
214	7.772988322	8.919112381	6.999923574	1.274172823	0.37840021	4.8681433
215	5.478740188	7.03968254	4.664718107	1.509133538	0.295244426	5.388910876
216	9.430405225	11.17593165	6.994840082	1.597739407	0.65070105	6.90003276
217	9.44246169	10.01042343	8.36172728	1.19717172	0.288347358	3.053730768
218	4.675475189	7.573101169	3.080465005	2.458427919	0.514037811	10.99434368
219	6.324757303	7.773606212	5.264556268	1.476592863	0.38413006	6.073435567
220	4.611772125	6.759853804	2.692578416	2.510550394	0.576343939	12.49723368
221	5.42103379	6.332003296	4.564575731	1.387205223	0.306905019	5.661374389
222	4.005645641	6.514681882	2.264037687	2.877461767	0.529281457	13.21338692
223	10.01906956	10.86888736	9.203419846	1.18096181	0.318376405	3.177704307
224	8.325834763	9.588866809	7.096829322	1.351148009	0.449838508	5.402923796
225	3.628634892	5.116754893	1.654546118	3.092542926	0.389797149	10.74225323
226	9.652290606	10.43592865	8.872345905	1.17623104	0.279009658	2.890605658
229	3.926653989	5.069322117	2.971408356	1.706033473	0.260560706	6.635693054
231	8.79052683	9.443926202	7.941452711	1.189193784	0.282436304	3.212962202
239	4.216000629	5.097794738	0.436793184	11.67095762	0.41291308	9.79395205
240	4.733814595	6.657141579	3.27049237	2.035516621	0.764470038	16.14913349
241	6.780695748	9.515722587	4.901788552	1.941275615	1.01448414	14.96135761
242	4.074543431	5.360521311	2.725965995	1.966466684	0.387416983	9.508230552
247	4.720461069	6.391628829	2.660606694	2.402320059	0.545656494	11.55938977
248	4.052417615	5.450987475	1.735635638	3.140628917	0.338255561	8.347006491
249	4.661849964	6.370528405	2.619184255	2.432256682	0.43979881	9.433997512
259	4.23502612	7.092332478	3.747692489	1.892453156	0.336086614	7.935880557
262	8.24905933	9.517572913	7.625323951	1.248153255	0.315842233	3.828827266
267	6.970982187	8.31725939	5.46787964	1.521112376	0.50430332	7.234322323
269	4.393913594	6.111739588	3.360077365	1.818928234	0.316278126	7.198096164
270	4.063656538	5.616029543	2.052326341	2.736421314	0.591593615	14.55815985
271	6.470076575	7.267977637	5.460897234	1.330912728	0.30968378	4.786400539
272	5.906979399	7.463950687	4.563197579	1.635684311	0.580164128	9.821671773

273	4.484556056	5.428965884	1.441225773	3.766908688	0.473006574	10.54745593
274	7.102616479	8.216296029	6.269826775	1.310450244	0.289538326	4.076502326
275	6.511648859	7.250180808	5.167255883	1.403100789	0.368099247	5.652934527
285	5.800607735	7.98193796	4.573038831	1.745434109	0.511554526	8.818981544
286	4.408217595	5.446949986	2.238424273	2.433385865	0.360962723	8.188405299
287	5.399454416	6.760664993	3.191574889	2.118284931	0.430725767	7.977209058
288	6.906672429	7.869167753	5.874811297	1.339475833	0.351864087	5.094552989
291	6.764120566	7.720203403	5.287141222	1.460184829	0.333344105	4.928121878
292	9.594838901	10.70019424	8.330513794	1.284457899	0.364898949	3.803075311
293	10.33803796	11.19531358	9.404976922	1.190360558	0.2831179	2.738603799
301	8.43414456	11.09477356	6.175978375	1.796439832	0.946943977	11.2275047
307	8.581297436	9.415588549	7.953084713	1.183891394	0.295793503	3.446955489
308	9.439169053	10.7745152	8.523768876	1.264055298	0.329198433	3.487578527
309	6.861766812	7.801399825	5.959643025	1.309038107	0.280363725	4.085882443
310	9.130921985	9.792151089	8.424113444	1.162395444	0.200588456	2.196803962
311	7.626234132	8.028340547	7.009411887	1.145365785	0.180854828	2.371482759
312	3.98353816	6.31249643	1.333112104	4.735157989	0.499181883	12.53111838
313	5.532074938	7.581496138	3.472993555	2.182985951	0.72034731	13.02128618
314	4.268516247	5.853339377	2.742199049	2.134542122	0.379747111	8.896466341
316	6.763747559	8.989124892	3.992858429	2.251300679	0.810689016	11.98579647
320	4.747365531	6.43574946	1.974191774	3.259941383	0.489774147	10.3167566
321	5.421242981	6.401644849	3.689464754	1.735114787	0.400916055	7.395279204
322	5.406530119	6.467324782	4.606661182	1.403907196	0.296994462	5.49325455
323	6.792751912	7.810167341	5.917359698	1.319873683	0.328703188	4.839028303
324	5.536607948	6.192056232	4.475123569	1.38366151	0.259496256	4.686917674
325	4.035343593	5.62145016	2.287018916	2.457981489	0.337879153	8.372995881
326	4.741364942	5.869640944	1.998571873	2.936917617	0.422553789	8.912070557
328	9.598606074	11.10459251	8.964320363	1.238754535	0.30624013	3.190464613
329	8.828981969	9.478793444	8.256440594	1.148048404	0.248284351	2.812151529
330	5.532129366	8.673472577	3.736018666	2.321581703	1.169614045	21.14220344
331	6.517323746	7.668312584	5.684089414	1.349083736	0.239901018	3.680974383
333	4.735060007	7.545335701	2.424304984	3.112370659	0.455233794	9.614108233
334	9.386854833	10.3447782	8.235890068	1.256060743	0.362610064	3.862955919
335	5.171075033	6.276149225	4.01555449	1.562959546	0.371778366	7.189575938
338	3.813721057	5.359280399	1.888974078	2.837138138	0.407097909	10.67455911
341	6.796299139	10.24267135	5.063471682	2.022855461	1.095761083	16.12290837
347	8.041977144	10.65576782	4.350364759	2.449396409	1.08663237	13.5120052
348	7.201590809	10.40357707	5.181098987	2.007986549	1.010707949	14.03450954
350	3.477411818	5.433238615	2.173270854	2.500028289	0.394637368	11.34859454
351	9.244933414	10.05707239	8.315501172	1.209436712	0.308155199	3.333233304
353	7.798762407	8.887486325	6.958303055	1.277249102	0.258660431	3.316685621
355	5.957082897	7.697969663	4.603858481	1.672069134	0.676639143	11.35856516
357	5.635013055	7.508869831	4.444528322	1.689463828	0.44284831	7.858869273
358	7.41501185	8.893234726	5.976523455	1.488028081	0.573207297	7.730362524
359	4.651676951	5.701973041	3.245664904	1.756796592	0.289297544	6.219209687
360	5.240335666	6.940883424	3.532944933	1.964616929	0.547094336	10.44006283
361	5.573177745	7.558527795	3.744338696	2.018654937	0.736146492	13.20873882

362	4.788840183	6.783880118	3.426169343	1.980018919	0.488022015	10.19081858
363	4.569703897	5.660100897	3.036181259	1.864217059	0.343059608	7.507261203
366	4.724853304	7.658535057	0.035629146	214.9514093	0.840764546	17.7945111
367	5.585107911	6.456188821	4.362863876	1.479805239	0.400064397	7.163055808
369	6.42685199	7.243478492	4.74449684	1.526711628	0.266871811	4.152449933
372	8.590315109	9.201682725	7.522122478	1.223282757	0.258469493	3.008847634
373	5.827884101	6.895759588	4.341783369	1.58823207	0.409462433	7.025919293
374	3.279276357	5.14359454	1.937891856	2.654221661	0.523719356	15.97057702
377	7.974703676	8.68019284	6.940261316	1.250701154	0.279020328	3.498817508
378	9.790216883	11.07439003	8.89667001	1.244779228	0.363690617	3.714837183
379	6.499766079	8.080031473	5.511930061	1.465916908	0.475085981	7.30927813
381	8.209810629	8.734697826	7.515816911	1.16217544	0.255168503	3.108092434
383	3.724106518	6.367651857	2.572543587	2.475235751	0.401258139	10.77461499
384	7.742806473	9.244197805	5.935908605	1.557334929	0.588326815	7.598366527
387	8.759642442	9.583581581	8.216609424	1.166366939	0.210154796	2.399125276
388	6.08941294	7.062979882	5.266229093	1.34118356	0.318170315	5.224975185
389	7.253828449	8.022396896	5.809134255	1.380996986	0.30669703	4.228071183
390	6.769525128	8.541738848	4.616249538	1.850363326	0.756809034	11.17964731
391	7.344924222	8.687584034	5.81190631	1.494790792	0.509808357	6.94096143
392	6.843812694	7.459347691	6.044708979	1.234029251	0.2028599	2.964135768
394	6.726911319	7.733894081	5.696347512	1.357693516	0.341901513	5.082592842
395	6.495699956	8.221809111	5.382536305	1.527497196	0.462259398	7.116390856
396	6.754549219	7.591686963	5.8728863	1.29266711	0.308970904	4.574263863
397	8.249125775	10.20294231	6.549661621	1.557781592	0.705096303	8.547527605
399	4.863226331	8.885139001	0.706039505	12.58447854	1.27103992	26.13573446
400	8.53573151	9.312863989	7.768998723	1.198721266	0.302087168	3.539089393
403	6.312610731	7.254772259	5.390432566	1.345860869	0.238955468	3.785366753
406	6.139111706	9.155712806	4.664739121	1.962749163	0.804825572	13.10980498
407	4.955023533	6.648651553	2.764458814	2.40504634	0.390043726	7.87168261
410	5.53859267	6.886820377	3.662889896	1.880160358	0.376962806	6.806111744
411	4.676035896	6.62111151	3.079934514	2.149757237	0.386338542	8.262095295
412	5.366192718	5.936460804	4.762721009	1.246443114	0.207508767	3.866964486
414	6.682182385	7.668155284	5.208483006	1.472243507	0.403093526	6.032363429
415	3.967020805	5.371145482	1.871156469	2.870495103	0.494975712	12.47726535
416	4.361320782	7.219232919	2.433550464	2.966543339	0.483871934	11.09461922
419	3.705791024	5.370544143	0.199752355	26.88601169	0.575632738	15.53332972
420	5.093935429	6.602980377	2.891863087	2.283296331	0.655705807	12.87228345
427	8.853162925	10.04338999	8.018345188	1.252551462	0.338113119	3.819122289
432	5.580121079	6.767452039	3.78124941	1.789739661	0.601592257	10.78098931
433	4.708075753	5.974028358	1.808127077	3.303987001	0.584125494	12.40688393
434	4.187752019	6.410384659	2.36118422	2.71490238	0.509367832	12.16327589
435	6.910336334	7.83612861	6.275629762	1.24866012	0.316097782	4.574274929
439	7.470989779	8.163816889	6.848603473	1.19204111	0.243326082	3.256945723
440	5.594039978	6.725843981	4.796601059	1.402210419	0.26482124	4.733989047
443	4.771022925	6.201526873	4.026681686	1.540108545	0.350307665	7.34240162
444	6.355325077	7.435043234	5.27951311	1.408281991	0.35732876	5.622509562
445	9.014528384	10.5447159	7.372693438	1.430239299	0.545758445	6.054209627

460	3.520954038	6.426886092	1.345884488	4.775213734	0.62431712	17.73147598
462	3.92326756	5.889713969	2.706422305	2.176199168	0.315442948	8.040311877
463	6.580557076	7.921191755	5.723210728	1.384046846	0.309503249	4.703298595
466	7.252149257	8.049009128	6.420098323	1.253720539	0.305400476	4.211171965
467	6.740532422	9.153901029	3.561961074	2.569904847	1.074026422	15.93385143
468	9.760228075	10.86851078	8.931413964	1.216885794	0.307238674	3.147863674
473	5.937597835	6.654908611	5.277900252	1.260900793	0.23059896	3.883707959
475	9.124471036	9.700810472	8.345792331	1.162359437	0.290500991	3.183757059
476	8.112673272	9.387148943	6.855683817	1.369250565	0.344179703	4.24249432
477	4.511086062	6.091307475	2.51267297	2.424234091	0.431830037	9.572640183
479	4.584047048	7.245911548	3.300261216	2.19555698	0.459770108	10.02978598
481	10.81968547	12.31181306	9.719526865	1.266709093	0.473714303	4.378263161
482	5.355249752	6.475167486	3.311387313	1.955424381	0.462949337	8.64477585
483	6.54270298	8.200349972	4.460634841	1.838381814	0.443300196	6.775490157
489	5.02864165	7.156130344	3.574783581	2.001835966	0.580969685	11.55321308
491	3.920169068	5.339311945	2.755063803	1.937999381	0.261441796	6.669145924
493	6.702090676	7.257450283	5.785638494	1.254390555	0.284214951	4.240690919
501	7.585496348	8.279582051	6.486568231	1.27641948	0.363627115	4.793715516
506	9.997883252	10.70575182	9.215940516	1.161655916	0.271903558	2.719611251
509	9.170674421	9.995535922	8.660150351	1.15419889	0.227716129	2.483090325
513	8.102186495	9.170924579	7.364744182	1.245246862	0.324599932	4.006325112
515	8.232660072	9.152293336	7.473245953	1.224674444	0.285319516	3.465702624
516	9.049746816	10.23930208	8.255528313	1.240296404	0.332987554	3.679523424
517	7.444740802	9.216619865	6.26961048	1.470046647	0.382471582	5.137473452
518	8.716361071	9.566409884	8.179215472	1.169599935	0.261238675	2.997107085
521	9.915969215	10.77448911	9.234902513	1.166713898	0.327710504	3.304876172
522	9.969561674	10.77560349	9.339260958	1.153796166	0.276422426	2.772663784
523	8.320996448	9.272623175	6.614674811	1.401826006	0.370795561	4.456143724
525	4.391882818	6.421765365	2.870982113	2.236783481	0.424450649	9.664434735
526	8.196646176	9.099916203	7.327808357	1.241833268	0.298334547	3.639714838
527	8.747842697	9.504656716	7.391517886	1.285886994	0.321664642	3.677073913
528	7.090832087	7.787188514	6.208407162	1.254297328	0.238649695	3.365609168
533	9.126746889	10.15942807	8.353081289	1.216249156	0.325251189	3.563714353
535	7.094869891	7.842514098	5.968988834	1.31387649	0.318475397	4.488812359
537	9.064624068	9.744351288	8.144907716	1.196373443	0.28273226	3.119073205
539	8.254610187	9.08159046	7.359324792	1.234024957	0.262418935	3.179059083
540	4.914612333	6.668306515	3.460372227	1.927048906	0.397322756	8.084518754
546	6.591576769	7.342324792	5.644684795	1.300750185	0.339902435	5.156618016
547	4.410961839	6.074276241	2.660935264	2.282759871	0.369887511	8.385642956
549	8.37442154	9.533257079	7.415645433	1.285559991	0.365924237	4.369546427
552	5.661397867	7.466162765	4.167486567	1.791526534	0.527031087	9.309204191
558	6.453961129	7.479077523	4.58187534	1.632317985	0.440265565	6.821633352
566	4.351160704	7.124161514	2.651215935	2.687129864	0.526082766	12.09063057
567	10.21620859	11.50050801	9.134453933	1.259025235	0.317122367	3.10411014
572	6.478715194	7.190558351	5.783785732	1.24322696	0.245424421	3.788164996
573	7.537866036	8.65535767	6.476189349	1.336489285	0.345133819	4.578667456
575	4.91507166	7.07754718	3.407974564	2.076760564	0.427780292	8.703439565

576	5.214173737	7.414223605	4.309824809	1.720307422	0.395356954	7.582350998
577	3.74843475	5.709410355	1.482644801	3.850828164	0.519269633	13.85297244
578	5.782321162	6.638885756	3.172875641	2.092387634	0.424909308	7.348421086
580	5.805782921	7.051719851	5.01811106	1.405253843	0.321313535	5.534370465
581	6.17155253	7.399063611	4.134620312	1.789538834	0.491832164	7.969342581
586	5.002626042	7.461104381	3.145641435	2.371886477	0.741464659	14.82150879
587	6.226850163	7.353378995	5.476499083	1.342715279	0.250993126	4.030820074
590	4.108795117	6.611538467	0.223472824	29.58542493	0.868421913	21.13568304
594	6.230689909	6.814433828	5.295638446	1.286801185	0.306432275	4.918111476
595	7.866273832	8.954458561	6.614044238	1.353855257	0.471689756	5.996355657
596	7.00066045	8.466670265	6.471492526	1.308302564	0.371784704	5.310708993
597	4.943133367	9.937900726	2.593104301	3.83243386	1.552936027	31.41602526
598	5.63238331	6.166645575	4.679511969	1.317796731	0.252716043	4.486840272
604	6.782912684	7.886107208	5.498748406	1.434164036	0.465574889	6.86393753
605	6.017364552	7.030439972	4.844190839	1.451313585	0.367309149	6.104153164
607	6.399368796	8.741013684	5.249387942	1.665149115	0.478522229	7.477647319
608	4.596044677	10.07754102	0.757235455	13.30833223	1.862739753	40.5291916
610	4.452625432	6.163913642	2.515754802	2.450124963	0.484626367	10.88405873
611	4.17359883	7.077490315	1.665775895	4.248764995	0.559336826	13.40178703
617	7.203877973	7.979179185	6.27322713	1.271941701	0.253010869	3.512148182
622	5.726581509	6.814455751	4.195233897	1.624332735	0.36752537	6.417884196
623	4.289066098	6.292537374	1.721645905	3.654954458	0.546599503	12.74402144
624	6.149458966	9.241535775	3.560369334	2.595667727	1.118365543	18.18640549
627	4.311733495	5.532175037	2.383564336	2.320967366	0.518970143	12.0362296
629	5.620573823	7.912697719	4.11869751	1.921165053	0.661990312	11.77798447
631	5.115941987	6.501295119	3.805798	1.70826069	0.403421261	7.885571447
633	7.35307874	12.80402508	5.257307984	2.43547175	0.728940314	9.913402804
634	4.79603601	5.594091205	3.825752522	1.462219831	0.272505018	5.681880148
635	4.388823753	5.959347149	1.473389999	4.044650196	0.552098061	12.57963618
636	5.571443892	6.388486837	4.511275412	1.416115456	0.336110276	6.032731955
637	5.407189031	6.982594397	4.169121993	1.674835711	0.595008885	11.00403336
638	5.710161703	9.690468674	4.204312006	2.304888091	0.815288131	14.27784663
640	4.344302994	5.880163116	2.569705523	2.288263407	0.555950954	12.7972417
641	4.753046479	6.93461133	1.865115458	3.718060081	0.656016631	13.80202432
642	6.553564185	7.072882474	5.612239543	1.260260262	0.251107539	3.831617914
643	4.46352362	6.470950267	2.64470821	2.446753953	0.628777544	14.08702177
644	6.729904889	7.271449809	5.93196046	1.22580888	0.236773481	3.518229226
645	8.277310363	9.098416994	7.045489773	1.291381762	0.34993389	4.227627994
646	3.442732063	4.306520057	-1.678400135	-2.565848255	0.641730235	18.6401446
649	5.144926396	6.027123974	4.059182224	1.484812369	0.252256229	4.90300949
650	7.733688935	10.73640509	5.908615656	1.817076236	0.902860026	11.6743773
652	4.826678441	8.194336784	2.495395153	3.283783241	0.703688905	14.57915445
653	4.327544382	5.90395466	2.265436627	2.606100118	0.531019031	12.27067788
654	4.417748269	5.046741331	3.670332031	1.375009478	0.222572745	5.038149116
655	7.214583445	9.229134164	5.955453488	1.549694609	0.632149969	8.762113205
657	7.056714753	7.955994945	6.025943477	1.320290337	0.364114174	5.159825591
659	6.436792013	6.978399512	5.82639932	1.197720775	0.213265757	3.313230511

661	6.018448027	6.780399245	3.940964929	1.720492155	0.310839564	5.164779407
662	6.186293016	6.964927477	5.283284142	1.318295077	0.3344448895	5.406289268
663	7.207109357	7.897031871	6.152813096	1.28348314	0.31163813	4.324037759
667	5.029920843	5.59877501	3.313711869	1.689578102	0.324660289	6.454580488
669	6.513076386	7.169537505	5.505909294	1.302153218	0.255771552	3.927046711
670	6.341320595	7.295886008	5.760230457	1.2665962	0.27041604	4.264348984
672	5.169734346	6.59099058	-2.429615472	-2.712771077	0.818988622	15.84198658
675	3.659881713	4.801716403	1.580953616	3.037227881	0.475996026	13.00577623
676	3.345115594	7.159331599	1.515275179	4.724773229	0.615408616	18.39723018
678	8.276979798	9.294791671	6.412949169	1.44937866	0.47279581	5.712177895
682	8.217702817	9.010144882	6.989909974	1.289021592	0.394927933	4.805819123
683	4.913224426	6.228378965	2.757913805	2.258366071	0.515464683	10.49137263
684	6.758578794	9.277805987	4.901387929	1.89289363	0.830598261	12.28954025
685	5.023452861	6.581902363	2.246278846	2.930135933	0.585136741	11.64809858
686	6.297849946	7.052000441	5.535752245	1.273901022	0.280750285	4.457875105
687	6.684842849	7.650426303	5.693590398	1.343691022	0.346425686	5.182256252
688	7.293382503	9.026470872	5.700542809	1.583440591	0.611917844	8.390041846
689	8.901410279	9.544253125	8.098937933	1.178457374	0.168471856	1.892642297
694	7.804110203	9.19858345	5.846564609	1.573331361	0.563240336	7.217226832
695	5.092358933	8.438087644	1.645321694	5.128533633	1.137908267	22.34540578
696	4.103696837	6.634930128	1.000584252	6.63105592	0.559109698	13.62453709
699	3.623211149	5.141465383	1.288204246	3.991188042	0.628190924	17.33796068
701	4.271328431	7.767542381	0.504381931	15.40012024	1.036357959	24.26312975
705	5.814618512	7.420812862	4.071662616	1.822551022	0.467357747	8.03763388
710	8.46680151	10.15184999	6.979851385	1.454450737	0.590110837	6.969702036
713	7.29613854	11.24034428	5.296059099	2.12239782	1.242837035	17.03417538
715	8.153660659	10.56343266	5.161615255	2.046536237	0.899931397	11.03714558
717	4.843118591	6.775581496	2.920655534	2.319883813	0.610523179	12.60599277
719	6.120433497	8.535803742	4.032118072	2.116952825	0.83234085	13.59937741
722	4.646234854	6.706336727	2.373914432	2.825011986	0.507375175	10.92013622
725	4.05636167	6.206942004	2.354328515	2.636395883	0.417690135	10.29716207
726	5.242476796	6.347642813	3.560853888	1.782618162	0.303477418	5.788817569
727	5.3584424	6.119840453	2.962966793	2.065443483	0.359647821	6.711797843
729	4.863103765	6.472132817	3.246523813	1.993557783	0.481656516	9.904302669
730	6.87042166	8.935507035	4.807010348	1.858849137	0.799241771	11.63308178
731	4.059500728	5.201290378	2.250710313	2.310955057	0.399624545	9.844179665
732	4.141590576	7.365776277	1.324438269	5.561434193	0.546644569	13.19890411
733	4.353400336	7.565002249	3.072758685	2.461957812	0.46396382	10.65750411
734	5.253295852	5.930353339	4.345446874	1.364728073	0.231153844	4.400168009
744	7.687378494	9.126224338	5.640250024	1.618053154	0.729933098	9.495214769
745	4.276526114	6.041838007	2.651961384	2.278252634	0.346623446	8.105257329
747	4.769381794	7.351738275	2.184509085	3.365396063	0.538133964	11.28309679
750	4.243673876	7.16108622	1.18228263	6.05700028	0.608085025	14.32921198
752	4.764793495	6.752003188	3.070319135	2.199120968	0.472524312	9.916994562
753	5.645710599	6.631400045	5.146757793	1.288461651	0.286892396	5.081599398
754	9.920740064	10.41275984	8.930172112	1.166020062	0.252063872	2.540776902
759	4.302644445	7.942780892	1.997050234	3.977256433	0.54571912	12.68334224

760	5.858361536	8.883761343	3.849647751	2.307681616	0.785620926	13.41024997
761	4.448630881	7.333585276	3.44354014	2.129664525	0.518823303	11.6625388
762	6.92012625	9.29343112	4.534774879	2.049369896	0.882894501	12.75835828
765	3.774032569	7.920833168	2.934375579	2.699324934	0.47238403	12.51669193
768	4.682051481	6.279066385	1.990233286	3.154939889	0.510075727	10.89427849
770	6.274599764	7.464194888	4.745495346	1.572901108	0.479839098	7.647325985
771	5.366555953	7.530419955	3.672473429	2.050503591	0.687125716	12.80384891
775	4.442805113	6.18985823	3.139388749	1.971676248	0.349885502	7.875328612
778	4.452808581	5.590214372	3.702824469	1.509716277	0.304458147	6.837440712
779	4.380010705	6.260477866	1.984385045	3.154870513	0.451718209	10.3131759
781	6.58230503	7.577394353	4.588459983	1.651402514	0.419279915	6.369803782
782	4.695487713	6.116665948	3.771053372	1.622004608	0.326772246	6.959282315
784	6.177228991	6.977184662	5.347389244	1.304783389	0.301050458	4.873551846
785	4.662879879	6.219265027	2.350561493	2.645863572	0.408708769	8.765157567
786	4.902947002	6.686633899	2.554133615	2.617965583	0.417861528	8.522660506
788	6.696248938	7.684461644	5.819479233	1.320472389	0.328236425	4.901795446
790	5.705843613	6.564093543	4.378835131	1.499050169	0.307697452	5.392672378
793	3.476772141	5.348141796	1.253374487	4.266994304	0.449146961	12.91850438
794	4.379794752	5.571323021	1.36045883	4.095179433	0.475151317	10.84871196
800	7.0484957	8.279331347	6.030100045	1.373000661	0.371772423	5.274493154
801	7.068043724	8.203891672	5.89533223	1.391591068	0.366533932	5.185790389
808	8.420884147	8.855809996	7.850019245	1.128125896	0.154296187	1.832303882
810	4.449586067	6.046670253	3.339639224	1.810575888	0.35050874	7.877333641
811	8.855986331	10.03382045	7.977333216	1.257791316	0.391527913	4.421053723
813	7.512404583	8.200173831	6.403538426	1.280569161	0.342977873	4.565487241
814	4.242242214	6.041039495	2.684627537	2.250233752	0.523880281	12.34913648
815	4.465318878	6.631697131	2.961952772	2.238961132	0.429613574	9.621117457
818	5.788962987	6.385992006	4.976996463	1.283101576	0.213538445	3.688716704
819	8.386008607	9.215269047	7.836743954	1.175905338	0.245239772	2.924392083
820	5.241276333	8.009811508	3.286228177	2.437387509	0.524881057	10.01437481
821	8.695056133	9.415218566	7.791037311	1.208467909	0.26067573	2.997976393
822	8.106414682	9.350163522	6.936363127	1.347992219	0.423477782	5.22398371
823	6.631818131	7.59190997	6.027779987	1.259486907	0.278731412	4.202941139
824	7.889966092	9.845789567	6.775496505	1.453146579	0.313451222	3.972782884
826	9.485778531	10.32643114	7.950936559	1.298769152	0.3365835	3.548296001
827	4.443525567	6.259014059	3.58807631	1.744392682	0.486085687	10.93918961
829	6.91722117	8.141539668	5.242625864	1.552950731	0.321811855	4.652328538
830	7.909675452	8.488847208	6.585371284	1.289046106	0.240291961	3.03794969
831	7.213172929	8.806084153	6.577934688	1.338730859	0.297547819	4.125061496
832	7.889876058	8.417536698	6.954675944	1.210342044	0.267826407	3.394557846
833	6.991284268	7.66375141	5.848027124	1.310484929	0.30889193	4.41824303
834	5.467574493	7.818566503	3.811650671	2.051228504	0.894364229	16.35760483
836	6.269760209	7.877685466	5.040161758	1.562982667	0.473844004	7.557609672
837	5.423576778	7.030758061	2.652434453	2.650681171	0.651881623	12.01940434
839	6.720158028	7.316899479	6.181846273	1.183610714	0.239421665	3.562738613
840	6.344199056	7.14503024	5.093085442	1.402888352	0.345885055	5.451989326
842	6.43010808	6.962130925	5.883666191	1.183298083	0.197132021	3.065765287

843	4.963095156	5.860376856	3.565873864	1.643461625	0.27018785	5.443938537
845	5.241470392	6.845071575	1.69988767	4.026778766	0.641940758	12.24734111
846	4.265680981	6.519596361	2.887150354	2.258142307	0.389519824	9.131480439
847	8.128089214	8.942827381	6.858106194	1.303979135	0.366340003	4.507086399
857	10.03555223	11.58901286	8.383210047	1.382407549	0.632629353	6.303881829
858	8.462396382	9.474749564	7.111776818	1.332261938	0.461901943	5.458287725
859	4.62256171	6.423678017	2.995568286	2.144393786	0.50617727	10.9501463
860	4.763239319	5.339157464	3.296986974	1.619405083	0.35508854	7.45477009
862	5.389305747	6.372141851	4.455588299	1.430146015	0.372622947	6.914117785
864	5.254972501	7.840184771	3.174898292	2.46942864	0.866167645	16.48281975
865	7.204380943	8.538782693	5.717571528	1.493428224	0.376309842	5.223347365
866	3.992129288	5.594904887	2.145483838	2.607759047	0.40027496	10.02660313
867	5.432959731	6.11063848	3.789137215	1.612672789	0.308271246	5.674094071
868	6.263522937	6.815252815	4.684916397	1.454722398	0.302451911	4.828782686
869	4.159751753	6.118237899	2.559546033	2.390360564	0.629721458	15.13843844
871	7.498376234	8.981972004	5.335345388	1.683484639	0.477820008	6.372313063
873	7.493493104	8.517002415	6.747087006	1.262322897	0.326412403	4.355944527
874	5.936675846	6.830794937	4.484324756	1.523260537	0.362611516	6.107989135
881	4.048222488	7.470330451	2.176857138	3.431704506	0.636778591	15.72983188
883	5.262389467	6.375053708	3.511935315	1.815253738	0.30521502	5.799932175
885	4.091643132	6.209822085	1.643766917	3.777799651	0.587796097	14.36577136
887	4.64224767	6.374215079	3.420835861	1.863350169	0.313706973	6.75765265
889	6.727291943	7.450900242	5.805274342	1.283470824	0.273532564	4.066012983
890	4.703758428	8.397002353	1.921134906	4.370855126	0.920917307	19.57832915
892	7.134827777	7.691786356	5.92633712	1.297898888	0.2454564	3.440256828
894	7.396737454	8.870587226	6.140079433	1.444702357	0.494161658	6.680805713
896	7.00438473	9.086182138	5.919545963	1.534945787	0.468116114	6.683186773
899	4.859801003	5.702478626	1.900149664	3.001068144	0.500723413	10.30337277
900	8.934737144	10.01587171	8.072412161	1.240753261	0.317807055	3.556982705
901	6.995021172	7.697303047	6.188643224	1.243778768	0.298047667	4.260854395
902	8.080492766	8.78009182	7.32957584	1.197899034	0.282817306	3.500000735
904	6.906690867	7.626041313	4.27955183	1.781971948	0.342476247	4.958615551
905	6.025668784	6.676567006	5.237990534	1.274642816	0.237269602	3.9376476
908	8.213720126	8.863824152	7.666407521	1.156190057	0.233770673	2.846099806
909	4.696034407	6.503020556	2.507286489	2.593648786	0.604922181	12.88155343
910	4.189342479	6.040922889	1.552831133	3.890263893	0.636997028	15.20517913
911	5.350524239	8.000529752	2.161462309	3.701443101	0.892944005	16.68890682
912	5.083911902	7.274718742	3.257944107	2.232916988	0.547166559	10.76270734
914	6.158582122	9.970480361	4.04170691	2.466898413	1.408421892	22.86925568
915	6.301449979	9.917578216	4.063713184	2.44052121	1.270338714	20.15946676
916	5.114524113	7.908618938	2.053832994	3.850663107	0.893758788	17.47491592
917	4.989950048	7.391021754	1.583587947	4.667263202	0.896008512	17.95626216
919	5.116971899	7.217926297	3.60473985	2.002343192	0.669983441	13.09335783
920	4.983285651	6.681480414	3.623511391	1.84392422	0.490507306	9.843050161
921	4.96116	6.668432337	3.519317526	1.894808379	0.528501852	10.65278789
922	4.04079492	5.548628828	1.126956904	4.923550145	0.506861167	12.54360037
923	4.971605522	6.037445597	3.260556194	1.851661262	0.418031531	8.408380944

925	6.339151213	9.192960829	1.67145172	5.499985861	1.123584071	17.72451916
928	7.533769575	9.21596887	6.586132445	1.399299049	0.38000075	5.043965654
929	7.545053355	9.662534952	5.426716812	1.780548956	0.790752307	10.48040709
930	5.063112443	9.979068176	2.823665069	3.534083516	1.382929815	27.31382783
931	4.79869133	10.9987609	2.798077646	3.930827622	1.960480786	40.85448827
933	4.858174787	7.472544983	2.154356165	3.468574558	0.867352626	17.85346686
939	6.90081581	9.927691466	4.518887776	2.19693251	1.14030422	16.52419441
940	3.868190213	6.086645427	2.77396734	2.194202268	0.571358801	14.77070075
941	4.352120606	5.811040255	3.036288364	1.913863098	0.342679626	7.873854072
942	4.907426938	7.27394311	2.31415553	3.143238653	0.901119154	18.36235496
943	4.756616387	6.340764188	3.100907252	2.044809365	0.337796452	7.101612254
944	4.738660085	8.129513387	2.109840533	3.853141154	0.910805103	19.22073089
945	4.764368337	6.36219611	1.605270793	3.963316431	0.686003577	14.39862597
946	4.349834235	5.596153836	2.344668633	2.386756814	0.464056994	10.6683834
947	7.007898052	7.976542493	5.593217536	1.426109827	0.39384608	5.620031532
948	6.502184936	8.04726393	4.402427183	1.827915283	0.581792322	8.947643409
950	7.697944357	8.355386333	6.812966414	1.226394763	0.294973965	3.831853692
951	4.793932168	7.318688877	2.782321228	2.630425561	0.853192803	17.79734825
952	5.422450291	8.495362198	1.161955852	7.311260735	1.020727052	18.82409238
953	6.144498375	9.116237897	4.769552832	1.911340165	0.872023914	14.19194637
955	5.837437343	6.816775593	4.456522873	1.529617549	0.272690945	4.671415373
956	5.413441475	6.720004651	3.626319683	1.853119757	0.47482374	8.771199279
957	5.038553492	5.734517492	3.479975594	1.647861411	0.314888955	6.249590399
958	6.405040704	7.441046944	5.486499927	1.356246613	0.411611782	6.426372612
960	6.572741847	7.794004059	5.624415551	1.385744703	0.35228545	5.359794402
961	7.474894798	8.049995274	6.573795158	1.224558277	0.253709052	3.394148795
962	5.700065333	8.265655636	3.54062471	2.334518994	0.914735041	16.04779924
963	5.743874012	8.088173283	4.060526255	1.991902718	0.817724707	14.23646663
965	6.023639787	7.198249463	5.199064096	1.384527932	0.319482104	5.303804927
966	8.643645844	9.368056746	7.946418073	1.178903081	0.244812737	2.8322856
969	5.704529876	10.42485672	3.024385596	3.446933729	1.693110166	29.6800999
970	5.20573996	6.110862566	1.256323303	4.86408439	0.608766231	11.69413448
972	7.777582748	9.975385654	6.273452556	1.590095018	0.846220961	10.8802566
973	5.557176252	9.854000329	3.757762517	2.622305237	1.207250656	21.72417432
974	4.904166736	6.773380433	3.565746803	1.899568536	0.522585107	10.65594086
975	10.67286022	11.2132614	10.01642846	1.119486995	0.225572049	2.113510762
976	6.887757525	8.95920652	4.707016142	1.903372805	0.709169697	10.29608976
977	7.720113301	9.233729212	6.804654534	1.35697252	0.463667898	6.005972711
978	4.551141481	5.955675651	3.561802762	1.67209586	0.433922495	9.534366207
983	4.723068149	7.657020407	2.900667157	2.63974458	0.726597326	15.38401105
987	7.794866814	8.673269079	7.082995674	1.224519889	0.352624752	4.523807271
988	6.488442283	7.116621928	5.881929456	1.209912832	0.234492937	3.614009753
990	3.873006653	6.019647102	0.422041696	14.2631573	0.660535023	17.05483832
994	7.20574398	8.121208872	6.094398346	1.33256942	0.377378196	5.237185742
995	3.604047336	5.606925216	0.479081511	11.70348905	0.539390217	14.96623565
996	7.40222246	8.209652783	6.503191384	1.262403687	0.317537647	4.289760925
997	6.548753973	8.853077643	5.041557868	1.756020237	0.374031123	5.711485332

998	6.801705305	7.614190114	6.096925985	1.248857233	0.275090068	4.044427908
999	9.021345236	11.63448287	7.151318739	1.626900337	0.873911122	9.687148638
1000	5.951890075	9.021847881	4.245008767	2.125283687	0.768126739	12.9055935
1002	4.501771701	5.953509481	2.885277562	2.063409621	0.403929626	8.972681256
1003	7.510301646	9.222751521	6.24464825	1.476904887	0.434520938	5.785665585
1004	4.84764702	7.501016105	2.853935732	2.628305894	0.555906197	11.46754693
1006	3.708786054	4.908786919	1.743343163	2.815731879	0.349996359	9.436951975
1009	5.497560234	7.114683948	3.590494312	1.981533274	0.569250924	10.35461005
1010	3.700480995	6.056584628	0.246536206	24.56671465	0.73695279	19.91505404
1012	5.126908969	7.038194001	2.077192484	3.38832056	0.729333674	14.22560218
1013	4.84472546	6.715165755	2.896238241	2.318581966	0.530554516	10.95117815
1014	7.511236608	9.682475366	4.427104731	2.187089747	0.968783341	12.89778756
1015	4.039819274	5.583063072	1.52085433	3.671004489	0.433961739	10.74210774
1017	5.356683962	6.17855527	4.227813148	1.461406891	0.299941238	5.599382756
1019	8.538608306	9.244935284	7.993367127	1.156575838	0.224806459	2.632823181
1020	6.210699447	7.102587775	5.424283484	1.309405711	0.274046956	4.412497464
1021	5.282146788	5.989944279	4.287253948	1.397151732	0.323646097	6.127169686
1022	7.509184482	8.525265063	6.525936539	1.306366529	0.318260781	4.238286881
1024	6.054331111	6.77713246	4.51818626	1.49996748	0.313359699	5.175793883
1025	5.812099747	6.996041908	5.212453982	1.342178162	0.277453124	4.773715798
1026	7.807203982	11.04520109	5.765466983	1.915751338	1.00907079	12.92486776
1027	8.944257121	9.657663616	7.593578814	1.271819764	0.375333979	4.196368397
1028	5.748132648	7.598471639	4.816286703	1.577661819	0.401245025	6.980441302
1029	4.400021406	4.97807952	2.734886368	1.82021439	0.43872242	9.970915582
1031	5.933773713	7.070542384	5.142403501	1.374948967	0.399479478	6.732300518
1032	4.805997219	6.040507144	3.354333725	1.800806849	0.325856167	6.780198829
1033	4.25810588	8.79313368	1.926324196	4.564721607	1.100238945	25.83869391
1036	6.007876515	7.698765989	4.234570671	1.818074744	0.519170179	8.641492184
1040	7.485025603	9.11190131	6.22565611	1.463604984	0.583097818	7.79019136
1041	4.59798271	6.639178308	3.885048584	1.708904835	0.359878036	7.826867977
1043	6.775899132	11.62402894	4.374855995	2.657008357	1.702047182	25.119134
1044	4.746156086	8.274088441	2.866627425	2.886349432	0.496636817	10.46397986
1045	4.109915982	5.492876131	2.677648968	2.051380221	0.361336638	8.791825425
1051	9.829608352	11.04571286	8.776014431	1.258625194	0.359045024	3.652689015
1052	7.739195146	9.530186234	6.541548028	1.456870177	0.6756339	8.730027962
1054	6.849916645	7.932551999	6.136720711	1.292636959	0.318193302	4.645214213
1059	6.684091729	7.963530024	5.658072592	1.407463389	0.383881665	5.743213593
1060	6.763568248	7.908995914	5.430325819	1.456449609	0.362751164	5.36331047
1062	4.026407522	6.546881928	1.214656116	5.389905706	0.819316931	20.34858435
1063	3.980954375	5.279199218	2.141446342	2.465249357	0.576975137	14.49338732
1068	4.318588947	6.209678584	1.645934415	3.772737558	0.582113957	13.47926288
1069	9.441190092	10.34566774	8.183701359	1.26417953	0.421496717	4.464444762
1070	7.573044626	8.5152931	7.047955496	1.20819337	0.287355653	3.794453455
1071	5.46328378	7.457743203	1.492073754	4.998240325	0.835609589	15.29500613
1075	6.812833404	8.346441106	5.567920944	1.499022919	0.615368835	9.032494985
1081	4.006365004	6.041083375	2.466221624	2.449529805	0.402200162	10.03902942
1087	3.632537754	5.289045011	2.187009564	2.418391349	0.329601446	9.07358625

1101	4.351688091	7.353250615	3.118122684	2.35823005	0.499742325	11.4838728
1102	6.683218962	7.590383523	5.60950438	1.353129084	0.273763871	4.096287616
1105	7.23897029	8.29441449	6.266207941	1.323673675	0.360250226	4.976539637
1106	6.401559312	7.486255016	4.382426222	1.708244391	0.352395745	5.504842306
1107	6.570687533	7.253824572	5.58233834	1.299424028	0.268412682	4.085001464
1108	7.944605837	8.529015135	7.17276554	1.189083219	0.270422259	3.403847402
1109	3.518061432	5.522941712	1.508504636	3.661203009	0.478385367	13.5979822
1111	4.359788931	5.792272067	2.964899274	1.953615126	0.426758343	9.788509266
1112	6.176015443	6.690862608	4.975994448	1.34462823	0.235014381	3.805275157
1113	4.527535419	8.896548577	1.776105319	5.009020852	0.949879037	20.98004653
1114	4.784336686	8.1026774	3.118481859	2.598276266	1.019344243	21.30586349
1116	5.00517708	8.469348651	3.23071711	2.62150735	1.161551606	23.20700323
1117	5.814767418	8.269785439	3.981259299	2.077178304	0.842742375	14.49313988
1119	7.153419832	8.006994781	6.031534469	1.327522013	0.395586589	5.530034566
1121	5.590853376	6.304965613	4.557270745	1.383495949	0.282085166	5.045476007
1122	4.581518427	5.593461657	4.043354177	1.383371679	0.215478332	4.703207794
1123	6.662234634	8.423642613	4.576406281	1.840667567	0.573165649	8.60320418
1124	5.470370728	6.723067096	4.690099148	1.433459482	0.38706192	7.075606732
1130	5.470302625	6.315872312	4.176857498	1.512111034	0.287021824	5.246909432
1137	4.337331938	5.964298639	3.123602189	1.909429651	0.318785867	7.349814864
1138	3.477181379	8.61086508	0.217974068	39.50408035	0.812861038	23.37700998
1145	4.330238786	6.041583471	3.405516034	1.774058149	0.323197334	7.463730063
1147	7.085660211	7.762863149	5.966951153	1.300976487	0.279329397	3.942178828
1152	8.843235391	10.57869632	7.088185426	1.492440686	0.616313191	6.969317948
1153	8.936262892	9.948561556	7.873663166	1.263523896	0.35977946	4.02606172
1155	8.532055055	9.067287749	7.850928809	1.154931852	0.23074544	2.70445325
1160	5.811530711	8.052142317	4.014613439	2.005708006	0.67563345	11.62574
1163	7.776109726	9.162910256	6.71799051	1.363936171	0.360981084	4.642180939
1164	6.665626204	10.65710807	4.782639087	2.228290255	1.039987236	15.60224357
1174	6.252386212	7.251197141	5.34591525	1.356399569	0.339069734	5.423045266
1175	8.327010289	8.979589752	7.431371151	1.208335524	0.302002349	3.626780064
1178	3.998313772	6.527845161	1.438574252	4.537718616	0.624836076	15.62748977
1179	3.991217062	6.02317321	0.961197049	6.266325115	0.547368097	13.71431542
1181	4.960905737	6.185195991	4.065242054	1.521482832	0.2608435	5.257981383
1182	6.979501423	7.549290173	5.985634936	1.261234648	0.308828884	4.424798633
1183	5.222267491	6.475101328	3.756006651	1.723932338	0.42549813	8.147765895
1184	4.763299478	5.403210501	3.794843121	1.423829742	0.261705512	5.494206557
1185	6.170745542	6.915821485	2.565456905	2.695746505	0.442637267	7.173157027
1186	7.043221799	8.451617191	5.702780556	1.482016905	0.284960467	4.045882337
1191	8.398293685	9.776507892	7.452539649	1.311835744	0.455072795	5.418633976
1192	9.748968023	10.89079216	8.875425195	1.227072723	0.306784721	3.146843033
1193	8.259112845	9.499470892	6.825214225	1.39182018	0.424776324	5.143122899
1195	8.224329626	9.677398481	6.827275966	1.417461156	0.468163259	5.692418471
1196	7.813325816	8.477009976	6.865622951	1.234703688	0.266276401	3.40797769
1200	7.042850562	8.249670718	6.101085064	1.352164514	0.338754456	4.809905492
1203	8.719583099	9.881107772	7.455308623	1.32537877	0.406519831	4.662147567
1207	7.898527508	8.453022322	7.231829375	1.168863628	0.276873207	3.505377512

1208	4.364729084	5.617993636	2.753487094	2.040319582	0.310828576	7.12137156
1209	7.422896097	8.634040027	5.814501174	1.484915003	0.445173442	5.997301268
1211	7.875443001	8.506680337	7.235990308	1.175606928	0.168252398	2.136418208
1212	6.709789716	7.201291386	5.964414926	1.207375992	0.209266625	3.118825385
1213	6.249083934	7.618337378	4.529045348	1.682106668	0.303772579	4.861073752
1230	5.224306323	7.481942807	3.500244903	2.137548375	0.834017337	15.96417372
1234	5.303955221	7.883877546	1.936832755	4.070499905	0.993487787	18.73107418
1236	5.175778804	9.981062626	2.644634418	3.774080288	1.556276326	30.06844738
1238	4.841762633	6.7162472	3.572767326	1.879844554	0.542235007	11.19912413
1244	3.851955701	7.000115771	1.742259354	4.017837962	0.48546369	12.60304446
1258	4.432944315	6.15021899	3.70265989	1.661027254	0.30485334	6.876994568
1259	4.473653639	5.957605265	1.114997448	5.343155967	0.465292312	10.40072276
1263	5.511100681	6.511270832	4.416733483	1.474227697	0.323546541	5.870815285
1264	5.689694142	6.995041843	2.83745683	2.465250491	0.627530357	11.02924588
1266	9.011597232	10.48468672	8.016295444	1.307921694	0.385189161	4.27437169
1267	6.672296932	7.372305948	6.249031374	1.17975179	0.19676317	2.94895704
1268	4.059899551	7.044756148	1.224303513	5.754092898	0.493880631	12.16484854
1271	5.116730208	6.818458128	3.173543766	2.148531305	0.479747642	9.376058985
1272	4.376862092	6.353608659	3.055571726	2.07935183	0.481072985	10.99127582
1277	6.787899335	9.351047311	5.085777617	1.838666182	0.605746802	8.923921409
1278	8.253583557	10.63352443	6.867445971	1.54839579	0.625628563	7.580083954
1280	4.400095851	5.840454666	2.283261941	2.557943336	0.445214046	10.11828062
1281	7.86993606	10.14885841	6.430179164	1.578316583	0.619159378	7.867400362
1282	8.374564072	10.37785852	7.276614344	1.426193286	0.560962639	6.698410021
1284	8.106329637	9.833203382	6.669618825	1.47432764	0.563678352	6.953558237
1286	5.808251317	7.473637307	3.931887939	1.900775766	0.483477366	8.323974625
1287	5.885909295	6.589304154	4.860356248	1.355724523	0.306086942	5.200334001
1288	4.349411326	6.140003366	2.952859565	2.079341476	0.419128927	9.636451814
1291	6.040771459	6.581666253	4.865548262	1.35270804	0.347853623	5.75843044
1292	6.486656645	7.960347673	3.894240059	2.044133785	0.590950954	9.11025489
1293	8.767000837	11.322262	6.596122668	1.716502644	0.718854087	8.199543952
1294	5.094972427	6.057944343	3.382583699	1.79092223	0.43090751	8.457504267
1295	5.758401156	7.576642887	4.556039639	1.662988799	0.512998633	8.908699124
1297	3.986997529	5.202044261	2.625558988	1.981309231	0.273116446	6.850178459
1298	5.492472836	10.74633101	4.447596497	2.416210872	0.601477795	10.95094711
1299	7.817019406	12.12623767	3.587689404	3.37995749	1.539829626	19.69842398
1301	3.689611827	5.528308557	0.116725522	47.36160936	0.731267228	19.819625
1302	5.050144976	5.888133526	3.998018845	1.472762824	0.271806956	5.382161446
1305	5.165607713	6.238859695	3.822309164	1.632222677	0.39634724	7.672809514
1306	7.987168221	9.442201046	6.273004483	1.505211908	0.696237509	8.716950611
1307	7.365682722	9.098126486	5.55926752	1.636569288	0.432782515	5.87566057
1308	5.033834022	7.762834073	3.501537355	2.216978797	0.679116165	13.49103213
1311	4.644497703	7.580763677	1.026270691	7.386709705	0.748310595	16.11176585
1312	6.864562921	7.710371977	5.968868366	1.291764453	0.229416934	3.342047219
1315	8.092154055	8.674219149	7.368835384	1.177149264	0.173691306	2.146416204
1316	8.397021512	10.71839257	5.411537905	1.980655547	0.965796157	11.50165157
1317	6.168692935	6.887236393	5.401082798	1.275158454	0.279106239	4.524560426

1318	6.364741903	8.202156418	4.845759517	1.692646197	0.625471043	9.82712343
1326	5.601674484	7.01946894	3.241045278	2.165804035	0.540051278	9.640890048
1329	9.52977974	10.27684461	8.504017281	1.208469394	0.319605181	3.353752027
1337	8.204354399	10.3539875	7.176296374	1.442803775	0.368817108	4.495382452
1340	10.01172053	10.84600466	8.227432148	1.318273364	0.318268406	3.178958148
1345	10.23038296	11.12047288	9.362848882	1.187723205	0.284460758	2.780548477
1346	8.640524063	10.04268516	7.120613257	1.410368012	0.542600984	6.279723087
1347	10.37537797	11.14083449	9.204346782	1.210388391	0.303518774	2.925375581
1349	8.747452177	9.953985046	6.744706134	1.475821904	0.471886207	5.394556011
1350	10.62780414	11.43504027	10.01953034	1.141275079	0.256643708	2.414832874
1351	10.31751283	11.31130257	9.585638932	1.180025938	0.30130188	2.920295667
1352	5.674072194	6.390259723	3.84981863	1.659885916	0.355007466	6.256661065
1353	6.583901661	7.436570241	5.847293101	1.271797071	0.282922287	4.297182765
1356	5.303061102	7.484874113	3.551356345	2.107609991	0.744376505	14.03673258
1357	3.576202959	7.507313741	2.468512395	3.041229915	0.570948515	15.96521566
1358	4.325511407	5.406413061	1.49842228	3.60807039	0.418394664	9.672721327
1359	4.319526285	6.119953576	2.393699721	2.556692271	0.570677306	13.21157156
1360	3.794990111	5.045257983	1.870183166	2.697734679	0.450070226	11.8595889
1361	3.61859589	5.188983435	1.495446911	3.469854662	0.40057775	11.06997747
1364	6.726339732	9.216177397	5.730908415	1.608152972	0.598371181	8.895940512
1365	8.610703095	10.64436877	6.708620111	1.586670372	0.811100211	9.419674581
1368	5.013417629	6.611927685	4.219694898	1.566920795	0.453499495	9.045715482
1369	4.315601153	5.786304815	1.845556524	3.135262854	0.40278768	9.333292526
1370	4.065118087	7.794309498	1.773360612	4.3952197	0.617935408	15.20092147
1371	6.301115782	7.126952209	4.859594187	1.466573532	0.378508671	6.007010253
1373	5.000861434	6.234121217	1.94440022	3.206192404	0.522271849	10.44363768
1374	5.399798223	6.3148646	4.227681455	1.493694515	0.302751864	5.60672551
1380	4.269567234	7.275238786	1.724687955	4.218292801	1.120408784	26.24174119
1381	7.146952014	9.54004865	5.085864458	1.875796874	0.820788259	11.48445179
1382	6.299130313	8.339751865	4.700959277	1.774053203	0.600242476	9.528973784
1384	6.945791013	7.9264597	6.184744272	1.281614785	0.271271969	3.905559038
1385	6.903209365	7.457448824	5.921944034	1.259290662	0.254854706	3.691829305
1386	6.472227414	7.208340578	5.296938744	1.360850281	0.30826183	4.762839905
1387	6.406261237	7.389517545	5.387530801	1.371596343	0.258476557	4.034748936
1389	8.113767354	8.718778151	5.057854545	1.723809586	0.364653374	4.494254737
1390	6.086566353	7.930355511	5.112737879	1.551097611	0.422194268	6.93649331
1392	3.942421757	5.72265563	2.588966333	2.210401718	0.336874252	8.544855754
1393	4.708263471	7.131136891	0.487018735	14.64242826	0.855534449	18.17091279
1396	8.827818596	10.43913716	6.844898541	1.525097428	0.554711963	6.283681035
1397	7.805478711	9.084114998	5.472419108	1.659981595	0.452170325	5.792986456
1399	6.541009296	7.209459393	5.992693994	1.20304147	0.229319995	3.505880885
1400	4.928857067	6.58724392	2.971407904	2.216876354	0.496694041	10.07726607
1401	3.688660903	4.748024336	2.424163885	1.958623493	0.32696756	8.864126273
1404	3.704266485	5.787373072	1.519193205	3.809504317	0.645812055	17.43427633
1406	4.224466674	5.208591084	3.105806923	1.677049222	0.279730766	6.621682388
1407	8.444891457	10.29808004	7.434263348	1.385218623	0.409328743	4.847057484
1410	9.972206461	12.06297648	8.136745827	1.482530823	0.634421673	6.3618987

1411	3.475666449	5.931033313	1.477485803	4.014274316	0.568344178	16.35209208
1413	4.220008567	7.683367678	2.813626584	2.730770217	0.491759708	11.65304999
1414	4.372772591	8.117052096	3.060781338	2.651954256	0.503745509	11.52004817
1417	4.817388519	8.65161585	3.299410229	2.622170403	0.542222623	11.25553027
1418	3.857730215	6.280886879	1.255693397	5.001927137	0.586347389	15.19928446
1420	4.446194403	6.609613158	2.990389432	2.210285084	0.391754326	8.811003093
1428	4.950214127	6.139276222	1.581424111	3.882118768	0.550700455	11.12478049
1429	8.575555867	9.61383585	7.093477509	1.355306454	0.382292478	4.45793234
1432	6.281105013	7.28737756	4.920596898	1.480994625	0.308853961	4.917191481
1434	7.380932165	7.739281587	6.623689502	1.168424574	0.165913036	2.247860189
1436	6.606929711	8.549469179	3.321526611	2.573957755	0.748116106	11.32320364
1437	4.523893276	5.614282501	2.260808188	2.483307753	0.519324598	11.47959437
1439	5.699334999	9.11387462	3.318280127	2.746565773	1.391496753	24.41507216
1440	4.995818309	8.029114008	3.085850686	2.601912673	0.583241651	11.67459692
1441	5.14125659	6.605092298	2.769681019	2.384784477	0.511086063	9.940878344
1445	7.240887803	9.271352508	4.692058405	1.975966987	0.735221706	10.15375083
1452	6.855592106	7.808270064	6.186464782	1.262153805	0.262648067	3.831150732
1453	7.034497301	8.117810968	6.046303662	1.342607223	0.323562668	4.59965587
1455	7.134947461	7.734319977	5.975894488	1.294253102	0.270539064	3.791745708
1459	7.405781782	8.196282448	6.905051294	1.186998054	0.21208908	2.863831081
1460	9.138006537	9.567056166	8.515707306	1.123459957	0.206472131	2.259487673
1462	6.03882192	8.80722132	2.074117416	4.246250117	0.921532417	15.26013566
1463	4.385611678	5.795213146	1.492769666	3.882188444	0.623244871	14.21112758
1464	4.734665855	5.96217297	2.86477644	2.081200085	0.492638586	10.40492828
1465	9.632568149	10.35673241	8.676880427	1.193600914	0.305012033	3.16646639
1466	8.513796705	9.937137601	6.88910387	1.442442702	0.380784757	4.472561075
1471	7.570634212	8.146121361	6.476115384	1.25787156	0.276870194	3.657159841
1474	6.075856297	9.239112945	4.72732532	1.954405995	0.709630575	11.67951544
1475	5.506007588	10.61230987	3.109240699	3.413151602	1.524378428	27.68573061
1477	6.016330589	6.651603063	5.099262829	1.30442444	0.270289725	4.492600948
1478	5.745481275	6.231278398	5.071952653	1.228575822	0.222415776	3.871142655
1479	7.033511822	7.702730047	6.484771775	1.187818217	0.223888481	3.183167765
1482	4.839432349	9.247756792	3.105897622	2.977482814	0.670324903	13.85131261
1486	6.944563224	7.750464197	6.225245233	1.245005443	0.29677878	4.273541335
1487	7.894185892	8.648330033	7.166009726	1.206854353	0.238834391	3.025446755
1488	8.257696093	8.966724096	7.370589704	1.216554503	0.298897683	3.619625618
1489	5.685573133	8.592449365	3.5808581	2.399550366	0.678619241	11.9358106
1490	10.10861992	13.06407129	5.636468308	2.317776057	1.100695142	10.88867868
1491	5.984439436	7.048324543	4.4133321	1.597052835	0.568767303	9.504103247
1495	7.969963833	8.520503404	7.126466313	1.195614071	0.262148208	3.289201981
1496	3.905392323	6.069865075	2.241424228	2.708039379	0.487146378	12.47368608
1497	5.382408626	5.993390877	3.701148414	1.61933276	0.26227069	4.872738368
1499	7.934356636	8.560812733	7.1892342	1.190782286	0.280392963	3.533909252
1501	3.946281839	4.957341655	2.927542158	1.69334595	0.28416986	7.200951965
1503	4.902865299	6.20425393	3.069743439	2.021098523	0.524747021	10.70286433
1506	4.766208387	6.149011426	3.408527935	1.80400793	0.380326719	7.979649411
1510	5.86307511	8.880152698	3.916381756	2.26743797	1.126910142	19.22046231

1511	4.971005518	6.473606581	3.166437114	2.044445017	0.392970006	7.905241796
1512	8.131227722	10.34367341	6.393207747	1.617916047	0.861833268	10.59905463
1513	7.641010216	10.33383915	6.174767647	1.673559192	0.685644529	8.973218329
1515	5.566929982	7.36397896	4.282799559	1.719431147	0.393195321	7.063054911
1519	8.001900929	9.322231892	7.307315796	1.275739567	0.319704725	3.995359698
1520	7.089739714	9.977256527	5.267022395	1.89428785	1.062715544	14.98948603
1522	6.945581538	8.33799166	4.923816365	1.693400209	0.519718286	7.48271808
1523	6.942076638	7.765626218	5.98181965	1.298204672	0.304384379	4.384630054
1524	5.355735163	6.685843615	4.231328235	1.580081535	0.561905869	10.49166644
1525	7.816660257	9.62538377	6.287657608	1.530837773	0.606542311	7.759609493
1528	6.938789163	7.977038376	5.643895459	1.413392299	0.289212916	4.168060295
1534	6.73903471	7.34005353	6.054720883	1.212286028	0.238245957	3.535312806
1535	7.589219419	9.131612531	6.241989514	1.462933014	0.407922244	5.375022405
1536	5.028260718	6.630849879	3.158696431	2.099236196	0.586018389	11.65449491
1537	8.40468175	9.420766011	7.425029084	1.268785065	0.393557023	4.682592801
1540	6.456485744	7.204379286	5.206507355	1.38372594	0.274648207	4.25383433
1543	4.03302511	7.157627869	1.945408306	3.67924196	0.567857661	14.08019157
1556	4.448605482	7.34591892	-0.319144435	-23.01753722	0.63206545	14.20817047
1558	3.955534716	5.109902086	3.340500317	1.529681665	0.287007586	7.255847995
1559	4.226064983	5.005166152	3.141393993	1.593294621	0.243143729	5.7534309
1565	4.966481901	5.78269956	3.324262106	1.739543807	0.340409153	6.854130543
1571	4.512966179	5.583667694	3.260361294	1.712591701	0.305693462	6.773670583
1573	4.430122303	6.604259743	1.964299179	3.36214555	0.500910762	11.30692852
1580	5.991423031	7.606431739	4.13535866	1.839364458	0.700369917	11.68954209
1584	4.170330291	6.181405379	2.40816044	2.566857787	0.38532266	9.239619721
1588	3.710142586	5.256806378	1.216012057	4.322988697	0.419642379	11.31068064
1591	4.712399474	9.436400441	1.962259629	4.808945922	1.112465978	23.60720869
1592	4.064596092	6.746511394	1.441541478	4.680067481	0.560017954	13.77794845
1593	6.760504721	7.906660904	5.854719908	1.350476372	0.40873958	6.045992076
1594	6.117395654	8.180720966	4.144181747	1.974025626	0.811727283	13.26916434
1602	3.696648398	4.518765941	1.966426175	2.2979586	0.388075711	10.49804227
1603	10.0643028	10.83693871	8.960568549	1.209403025	0.318019156	3.159872698
1604	7.618439265	9.43277321	6.244547371	1.510561559	0.599041356	7.863045638
1605	7.001018761	7.707235438	5.411500485	1.424232606	0.314572558	4.49323975
1608	4.050736266	6.146655545	1.812393879	3.3914568	0.497646106	12.28532478
1611	8.563679706	9.266481305	7.669908794	1.20816056	0.256216375	2.991895819
1612	5.915489317	7.03593971	4.748337834	1.48176898	0.342947236	5.797444941
1615	8.679149363	9.584156294	8.120618961	1.18022485	0.278663861	3.210727798
1616	6.76618586	7.512866049	5.521009614	1.36077757	0.259954615	3.841966815
1618	3.527695215	5.701364436	0.706447654	8.070469776	0.494282746	14.01149236
1620	4.127767928	7.04731535	2.73480843	2.576895432	0.463952035	11.23978002
1622	9.161675723	10.12859158	8.371999127	1.209817563	0.330423681	3.606585638
1629	6.259897885	6.904005171	5.347293946	1.291121311	0.272722544	4.35666123
1630	3.599805009	5.073995736	1.026982517	4.940683658	0.436359899	12.12176488
1632	8.866860947	9.93198186	7.634571461	1.300921985	0.450046359	5.075599608
1633	6.943771432	9.868480913	5.806284394	1.69962066	0.722830219	10.409764
1635	8.815248874	9.689015585	8.009962778	1.20962055	0.322346469	3.656691645

1636	5.066725692	6.777024314	3.099342337	2.186600761	0.474829914	9.371533856
1638	4.157138855	5.402453788	2.781540385	1.942252507	0.332159283	7.990093543
1641	3.631858171	6.243953808	1.49848721	4.16683824	0.519808504	14.31246706
1642	8.597638433	9.305222156	7.743802042	1.201634818	0.247314339	2.87653803
1643	6.207735141	7.863584866	2.776468405	2.83222559	0.581139462	9.361537636
1644	4.027055165	7.290016959	2.588857511	2.815920508	0.623232059	15.4761242
1649	7.994574224	10.26394256	7.005106518	1.465208635	0.525302593	6.570738828
1650	9.572408358	10.05216734	8.720795845	1.152666284	0.229853935	2.40121322
1653	9.149989029	9.779166994	8.26067705	1.183821488	0.257997123	2.819644068
1654	7.211630198	8.230567468	6.367817493	1.292525654	0.327324448	4.53884128
1656	6.857720347	7.9134544	4.459827901	1.774385599	0.41971624	6.120346401
1657	6.672937967	7.829786733	5.504584109	1.422412044	0.330879621	4.958529847
1659	5.907171065	6.667051643	5.455108246	1.2221667	0.186840876	3.162950143
1660	6.745622657	7.832837981	5.296112971	1.478978644	0.467815137	6.935092
1666	8.487361347	9.346920554	8.075262578	1.157475743	0.239505848	2.821911756
1669	4.349901117	5.909166166	1.894906859	3.118446766	0.474498216	10.90825293
1675	8.798503039	11.08574476	6.410700206	1.729256462	0.826861252	9.39774924
1676	6.897388883	7.513837576	5.813241341	1.292538385	0.21455464	3.110664684
1687	7.71036385	8.862143692	6.741127127	1.314638268	0.34133538	4.426968512
1690	5.075633392	6.253177448	3.799891861	1.645619843	0.390926765	7.702029176
1716	6.94298556	7.468751305	6.116559445	1.221070664	0.216112955	3.112680457
1717	6.209704211	7.014503612	5.352626343	1.31047885	0.304311494	4.90057954
1718	6.671937024	7.905553587	4.408334008	1.79332001	0.519821526	7.791163558
1723	4.72512098	5.517888536	3.644330875	1.514101964	0.260238009	5.507541712
1725	7.248113098	7.738030345	6.507139774	1.189160002	0.242782746	3.349599303
1728	7.437019755	10.65633581	6.057810334	1.759106875	0.636580831	8.559622698
1733	10.15605673	12.41291463	7.406904282	1.675857302	0.977014487	9.620018015
1734	9.10860392	10.86500565	7.985986713	1.360508856	0.539233538	5.920045958
1735	4.657822965	6.154240822	2.233846059	2.75499773	0.471030058	10.11266554
1737	7.007621345	7.585152099	5.973691706	1.269759551	0.27436873	3.915290463
1738	7.877478281	8.795360159	7.288977895	1.206665775	0.254819966	3.234791093
1739	6.159227645	7.004199011	5.382669179	1.301250138	0.303742537	4.931503666
1740	6.013481487	7.779216156	4.534055999	1.715730057	0.710612389	11.81698805
1741	6.46103823	7.318175374	5.621057348	1.301921493	0.320724094	4.963971459
1742	4.714101002	5.901009797	3.654096481	1.61490257	0.323400737	6.860284434
1746	4.453613411	6.108309574	2.025581892	3.015582633	0.417770468	9.380483436
1748	4.098555855	5.349246699	2.339914434	2.286086457	0.337778763	8.241409287
1749	4.334673363	5.654599444	2.959125148	1.910902433	0.385481571	8.892978526
1756	5.147518547	10.24462547	4.464347121	2.294764541	0.843085095	16.37847611
1758	3.277386375	4.383704649	1.217272365	3.601252092	0.425099632	12.97069017
1759	4.683269057	6.109875978	2.709725804	2.25479492	0.455697162	9.73032206
1760	5.23335672	6.520254834	3.608632757	1.806849096	0.348182683	6.653142553
1762	6.007704145	6.940455332	5.067986547	1.36946996	0.306301293	5.098474989
1763	4.727838492	7.137642844	3.665523739	1.947236835	0.430316338	9.101756302
1770	4.024171797	6.089643401	3.036906494	2.005212677	0.302858301	7.525978426
1773	4.740660523	5.578939497	3.975598206	1.403295607	0.194134655	4.095097179
1774	6.972054432	7.724478184	5.936274707	1.301233276	0.233334821	3.346715425

1775	4.543773402	6.239266861	3.431822762	1.818062089	0.384995569	8.473036293
1776	5.985786903	7.639639363	4.678543233	1.632909857	0.541058521	9.039054184
1780	5.136887004	6.862345287	3.172266568	2.16323097	0.433681247	8.44249146
1781	7.647098625	8.350599629	6.739343615	1.239082039	0.326376784	4.267981889
1783	7.987253639	8.599853117	7.070521592	1.216296847	0.250756775	3.139461782
1786	7.365933501	8.999737594	6.117302014	1.47119393	0.517454173	7.024963947
1787	4.816854353	5.879571818	3.745437373	1.569795789	0.301444121	6.25811159
1793	5.766823986	6.95760671	4.395431468	1.5829178	0.29712671	5.152345739
1794	4.812618851	6.82419765	3.097236924	2.20331793	0.710646842	14.76632295
1795	6.379656559	8.9264023	4.658374486	1.91620539	0.831613813	13.03540097
1796	5.932902049	6.549236525	4.709864411	1.390536108	0.297243314	5.010082956
1797	6.64872707	7.378131499	4.662068684	1.582587473	0.318235543	4.786413093
1798	7.18128637	7.832455821	6.607924803	1.185312493	0.236769297	3.29703183
1800	4.846268963	6.318697807	3.022560555	2.090511569	0.371616571	7.668096298
1803	4.604894707	7.216276066	3.298353122	2.187842174	0.808249445	17.55196365
1804	6.601890806	8.536651703	5.462745736	1.562703467	0.553929528	8.390467889
1805	7.561908616	10.83255975	4.989087568	2.171250675	0.863761536	11.42253339
1806	5.76526096	6.70646911	4.572336549	1.466748792	0.306659055	5.319083679
1807	4.06164943	5.892287555	1.200695543	4.907395207	0.479384081	11.80269467
1808	8.537550734	9.402323713	7.121284559	1.320312878	0.396941571	4.649361199
1810	6.393670165	7.041254826	5.833210978	1.207097575	0.203039336	3.175630443
1811	3.56917697	6.585021037	2.833510965	2.323979373	0.566421672	15.86981191
1813	4.699736927	5.504166843	3.7101144	1.483557176	0.224688805	4.780880467
1819	6.747444458	7.691521183	5.948333155	1.293054875	0.242555757	3.594779606
1820	5.444864348	6.451970104	4.52442499	1.426030958	0.324605154	5.961675681
1821	4.170203715	5.302321322	1.828047994	2.90053726	0.432859841	10.37982483
1822	5.923595763	6.977719912	4.622464209	1.509523838	0.316982738	5.351187869
1823	3.421028585	6.564359691	1.332854804	4.925037349	0.56408351	16.4887108
1824	5.225245514	6.473337904	4.087663667	1.58362782	0.339811506	6.503263923
1826	3.893878982	5.372003531	1.927340554	2.787262231	0.350286372	8.995820702
1827	6.590147395	8.7682147	4.976611211	1.76188461	0.719334198	10.91529756
1828	3.621672173	4.895327303	2.056850507	2.380011229	0.355993628	9.829537602
1830	3.920647972	5.446849567	1.648107006	3.304912573	0.486288449	12.40326733
1831	7.184749155	8.408533821	6.056448967	1.388360385	0.472224411	6.572594268
1832	9.821126402	11.9895884	8.007713198	1.497254972	0.684682945	6.971531745
1833	3.450393852	4.863497614	1.243176651	3.91215328	0.516247943	14.96200043
1836	6.502198317	7.093665157	5.852399988	1.212095067	0.252284671	3.8799904
1837	5.148824233	6.217591835	4.017743445	1.547533316	0.325927063	6.330126021
1838	5.663110913	6.947682664	4.918071126	1.412684462	0.345151107	6.094726248
1839	5.900781316	7.926810159	4.620692449	1.715502654	0.571451632	9.684338421
1841	5.108409254	5.675464009	4.478225842	1.267346536	0.205167937	4.016278393
1842	6.05411773	7.183523109	4.976182599	1.443581092	0.372102537	6.146271902
1843	8.612949989	10.14690482	7.288951204	1.392093943	0.553931246	6.431376548
1844	5.814564686	8.942355239	1.305784656	6.848261848	1.210933162	20.82586105
1845	6.973137726	7.737723525	6.261166624	1.23582776	0.320303896	4.593396953
1846	4.906295499	7.916196729	3.016048586	2.624691382	0.886160911	18.06171094
1847	6.863559081	9.404940817	3.549896805	2.649356117	0.956870305	13.94131373

1848	8.291538286	9.988275091	6.844185021	1.459381221	0.771574514	9.305565354
1849	5.624654547	6.24138151	4.463605626	1.398282472	0.323267684	5.747334013
1854	8.608906547	9.725400792	7.533236844	1.290998942	0.267279472	3.104685482
1857	6.531236077	7.997140814	4.906843361	1.629793378	0.365645577	5.598413119
1859	5.714331755	6.752421467	4.791613931	1.409216511	0.250298541	4.380189177
1861	6.647479268	7.287111983	5.996562647	1.215214851	0.17460553	2.626642717
1869	4.979900872	6.262564469	3.650379926	1.715592513	0.329246036	6.611497785
1871	6.62888524	7.305464316	6.165806042	1.184835246	0.232248716	3.503586314
1874	6.269699997	7.993024545	5.116611136	1.562171588	0.283777819	4.526178592
1875	5.637810815	7.472780095	4.513738928	1.655563207	0.372507215	6.60730251
1880	6.833381901	10.38225348	3.412912455	3.042050922	1.33930182	19.59939953
1889	6.793464711	8.105366481	5.170794832	1.567528155	0.371311995	5.465723473
1891	8.524070444	9.121024967	7.681244727	1.187441006	0.26012568	3.051660373
1892	9.351189842	10.398341	8.518019687	1.220746298	0.299740111	3.205368686
1893	5.702998742	8.320083362	4.005648241	2.077087867	0.834301756	14.62917658
1896	4.644430646	5.451814512	3.277220726	1.663548161	0.300897015	6.47866312
1901	6.711396535	8.149557033	5.730370518	1.422169301	0.403267115	6.008691521
1902	6.923376278	8.129108129	5.399672371	1.505481735	0.46199867	6.673025585
1907	4.776107398	7.716352592	3.451075851	2.235926686	0.50138762	10.49782968
1908	6.734618898	8.938472289	4.526944154	1.974504652	0.82440281	12.24126891
1909	6.270866368	7.761177458	3.681444512	2.108188086	0.65887068	10.5068525
1910	6.862415758	8.095138171	5.415347492	1.494851103	0.459916644	6.701964157
1912	6.205467597	7.157836771	4.916408871	1.455907545	0.329303568	5.306668072
1936	8.371175135	9.18060325	7.328424938	1.252738935	0.275156417	3.286950905
1938	11.12689629	11.73469751	10.477105	1.120032443	0.208675699	1.87541695
1942	8.395265656	10.60143169	7.097652285	1.493653291	0.615012356	7.325704522
1947	5.454006618	7.567598199	3.560074284	2.125685476	0.479146431	8.785219095
1948	6.870245748	7.828946097	5.884487386	1.33043808	0.391098022	5.692635109
1949	5.100347058	6.19406651	3.792886857	1.633074422	0.344797036	6.760266163
1950	4.717037629	6.199022031	3.235602802	1.915878558	0.346480241	7.345293124
1951	4.943870347	6.965922796	3.953367822	1.762022435	0.374436885	7.573760208
1952	7.794135932	9.528795095	6.457189635	1.475687665	0.543388847	6.971765074
1953	5.316635873	6.356772348	3.947048115	1.610513012	0.329858342	6.204268082
1954	5.91192723	6.847869012	4.829696841	1.417867257	0.327735189	5.543626913
1955	6.949080506	8.67680414	5.817747823	1.491436962	0.469305584	6.753491822
1956	5.630751205	6.370487651	4.667218361	1.364943133	0.249965023	4.439283742
1958	10.09323973	11.69526207	6.910936431	1.692283266	0.815965149	8.084273945
1959	8.635856905	11.15389376	4.395055139	2.537827946	1.288909185	14.92508733
1960	7.077986284	10.23523244	3.769700832	2.715131226	1.396319054	19.72763153
1961	4.361360141	7.285234652	3.118693597	2.335989229	0.433300205	9.934978782
1965	7.781389453	8.490981291	6.94485154	1.222629633	0.287845424	3.699152012
1967	7.858504745	8.390943928	7.185473815	1.167764874	0.192476738	2.449279402
1969	6.239512598	9.138795963	5.099557225	1.792076363	0.59487214	9.533952056
1975	9.060344113	9.849431123	8.199822068	1.201176201	0.29741883	3.282643858
1977	6.268937091	7.396904034	5.613035229	1.317808233	0.231308182	3.689751202
1978	5.897508711	6.973995367	4.30764393	1.618981392	0.454897874	7.713390455
1979	7.028934741	7.681061529	6.290118833	1.221131386	0.19797987	2.816641174

1981	7.464798552	8.720085857	6.393579092	1.363881752	0.402394309	5.390558177
1983	7.745791629	8.481679628	7.146378649	1.186850018	0.276387297	3.568225301
1992	7.272009507	8.163927308	6.575423531	1.241581971	0.276926849	3.808120004
1993	3.996555556	5.756538811	1.594925809	3.609283128	0.541553654	13.55050983
1994	6.159093261	6.6225279	5.675850302	1.166790445	0.201244304	3.267433943
1995	4.188162982	5.535198337	3.321316946	1.666567337	0.297731513	7.108880771
1996	3.907042019	5.323743063	2.482941302	2.144127636	0.304742674	7.799830997
1997	7.985451396	9.14322011	6.799314428	1.344726767	0.386021863	4.834064403
1998	7.134920138	7.684092501	6.36611952	1.207029255	0.189364682	2.654054678
1999	5.254521441	7.598808885	2.641666668	2.876520712	0.583376346	11.10236875
2000	5.351725641	7.073946137	2.557965164	2.765458356	0.765181911	14.29785387
2002	5.800532096	7.356869258	4.783567547	1.537946143	0.289465898	4.990333521
2004	6.567935548	7.627611198	4.721771978	1.615412865	0.39014917	5.940210095
2006	5.533794917	6.4022001	4.586618104	1.395843289	0.302448917	5.465488353
2009	6.973030632	7.905443991	4.915035778	1.608420436	0.460627589	6.605844907
2013	6.345576904	7.176460316	5.593910761	1.282905757	0.313115008	4.93438206
2014	7.534242728	8.804348763	6.321419251	1.392780389	0.568236098	7.542046601
2015	4.446292026	5.604005575	2.69627768	2.078423011	0.466643911	10.49512512
2016	4.403288315	6.951414891	2.961664765	2.347130902	0.417598181	9.483780091
2017	6.230768937	6.701431165	5.557967777	1.20573408	0.210633036	3.380530361
2018	3.964382881	6.410734121	1.277213358	5.019313401	0.540634461	13.6372918
2020	4.102065097	6.990833006	1.834021467	3.811750915	0.450122533	10.97307142
2022	6.81610711	7.872103816	5.851580265	1.345295366	0.414898415	6.087028983
2023	7.634854618	9.012388929	6.120512571	1.472489244	0.37979878	4.974538464
2026	7.032758749	7.754030513	5.338142029	1.452571039	0.387158933	5.505079109
2027	4.526867567	6.038747495	3.414752878	1.768428847	0.365347261	8.070641686
2028	5.403191319	7.466213549	3.781776342	1.974261002	0.721150107	13.34674388
2029	7.831370851	8.345540401	7.039071022	1.185602528	0.249714892	3.18864854
2030	6.017785739	6.835145641	4.640099811	1.473060046	0.341563965	5.675907709
2033	7.433524858	8.34845714	6.679245317	1.249910244	0.359927939	4.84195514
2034	7.067712472	8.290692276	5.615776226	1.476321695	0.377478896	5.340892079
2035	4.969052563	5.986679747	4.104021594	1.458734953	0.322040768	6.480928989
2036	5.22006137	6.10370397	4.51405139	1.352156509	0.288555745	5.52782284
2037	6.076387108	6.833708535	5.217709252	1.309714322	0.280268931	4.612427194
2038	4.216702593	6.513955187	3.108456612	2.095559308	0.420909063	9.981948068
2039	6.867348227	8.822426927	6.032572512	1.462465127	0.410900539	5.983394541
2040	7.651101575	8.495272569	6.452000622	1.31668812	0.304676321	3.982123589
2041	5.08956782	6.441177768	4.6170002	1.395100171	0.282715406	5.55480183
2042	5.641243854	6.897675045	3.665798486	1.881629629	0.513611733	9.104583069
2044	4.460244272	6.296777413	2.678067251	2.351239466	0.630313966	14.13182614
2047	6.394365954	8.147408081	5.006073423	1.627504711	0.66833001	10.45185739
2048	5.478432314	6.423870506	3.485454236	1.843051169	0.376587767	6.874006012
2049	5.120870748	6.473550388	3.186256497	2.031710377	0.432590168	8.447590054
2050	5.958577144	6.916556772	5.086413339	1.359810206	0.284804891	4.779746635
2051	6.9134821	8.53292878	5.969494184	1.429422413	0.47005886	6.799162176
2052	7.727036069	9.277205797	6.095270992	1.522033361	0.558862564	7.232560571
2053	7.0506771	8.584221219	5.86492049	1.463655174	0.567847193	8.053796614

2054	6.060786114	6.710857585	5.004074053	1.341078792	0.307597777	5.075212535
2056	4.398020473	6.062089865	3.292153479	1.841375228	0.354590326	8.062498307
2057	6.165646819	7.365926125	5.396503085	1.3649443	0.305755842	4.959022977
2058	7.545524105	8.425162568	6.504442108	1.295293651	0.371285045	4.920599819
2059	7.965556926	9.041441993	6.813891015	1.326913209	0.45369987	5.695770861
2060	8.394051645	9.315951926	7.687121221	1.211890857	0.251804818	2.999800682
2063	5.938684152	8.224005711	4.36169508	1.885506795	0.422458647	7.11367428
2064	5.707398713	7.254514923	4.935192546	1.469955803	0.449617184	7.877795243
2065	5.162074506	6.866185635	4.232796611	1.622139277	0.40066652	7.761734535
2066	4.806741918	6.952793519	3.722050023	1.868001095	0.523835104	10.89792447
2067	7.629772787	8.774168221	6.749331829	1.300005459	0.218180477	2.859593374
2068	6.022700825	6.984125984	4.273095925	1.634441657	0.310202334	5.150551943
2069	3.461617611	4.857670735	-0.14055347	-34.56101599	0.689344442	19.91393964
2070	4.373390609	6.003869072	1.362784832	4.405588417	0.533999785	12.21020102
2071	6.769096071	7.313948708	5.688361481	1.285774248	0.235410319	3.47772164
2077	5.906768602	7.513483569	5.097105457	1.474068691	0.376275295	6.370239307
2078	5.16656601	5.885616588	4.259500802	1.381762057	0.286548475	5.546207569
2091	9.524982288	10.14432724	8.556671232	1.185545987	0.228300503	2.396860133
2098	7.729138543	8.727519842	7.1511132	1.220442132	0.248744926	3.218274905
2099	4.956958835	5.945338071	3.9415003	1.508394677	0.283106557	5.711295296
2100	4.080802349	5.235456486	2.817753932	1.858024729	0.308560119	7.561261059
2101	6.402118061	6.997145217	5.692164545	1.229259127	0.233682612	3.650082834
2103	4.20750747	5.383366942	3.218563466	1.672599282	0.27185542	6.461198758
2108	8.31011312	9.136947721	7.711300074	1.184877729	0.264796357	3.186435047
2109	8.251144429	8.938509327	7.505216092	1.190972947	0.302056867	3.660787534
2113	6.974025475	8.78813719	5.063705041	1.735515224	0.640741181	9.187537144
2114	6.538979177	8.298367455	5.651940351	1.468233375	0.38679378	5.915201282
2116	4.592331894	5.692393601	1.962646344	2.900366446	0.42568482	9.269469849
2117	5.766633565	7.120263735	4.663139484	1.526924888	0.292303714	5.068879619
2118	5.129642014	6.652525661	2.905159083	2.289900646	0.533491334	10.40016696
2119	5.946531509	6.944135781	4.774827343	1.454321859	0.336574924	5.660020855
2120	6.234247061	7.073507362	4.802051939	1.473017671	0.323184257	5.184014261
2123	5.738749114	10.00276333	3.426557567	2.919187298	1.496743666	26.08135739
2124	6.083360134	10.22424422	3.757300048	2.721167883	1.537088981	25.26710481
2125	5.998776493	8.975461783	4.75694317	1.886812909	0.567218753	9.455574044
2130	6.768083508	7.397147821	5.61184669	1.318130774	0.235174085	3.474751523
2131	6.618024278	7.839672357	5.309627365	1.476501422	0.444017827	6.709220277
2132	7.335773045	7.817106052	6.67262751	1.171518422	0.236454908	3.223312746
2134	4.333448937	7.213740046	1.910587835	3.775665223	0.573595055	13.23645585
2135	7.182599077	7.77934196	5.965390381	1.304079275	0.360561566	5.019931676
2137	5.655791985	6.380565483	4.841039048	1.318015703	0.221931133	3.923962084
2139	6.763526843	8.468055935	5.511177989	1.536523762	0.497800362	7.360070764
2140	5.375179824	6.226546801	3.890779519	1.600334013	0.280738577	5.222868566
2145	5.932910639	7.005138524	5.310171271	1.319192577	0.263142557	4.435302889
2146	4.401445324	8.653304613	-0.364436912	-23.74431437	1.173025951	26.65092635
2147	4.121820766	7.238861027	2.638445431	2.743608392	0.492466045	11.94777922
2149	5.840612591	6.883233377	4.755833999	1.447324145	0.342853545	5.870164126

2150	6.104103568	7.667059832	4.722246922	1.623604178	0.467951716	7.666182437
2151	3.603330189	5.166723168	2.158961119	2.393152485	0.375601271	10.42372615
2152	7.694870764	9.514939966	6.345188236	1.49955204	0.575786285	7.482728465
2153	3.934789226	6.748888121	1.616767385	4.174309913	0.710515123	18.05726006
2155	4.652498561	5.988730337	3.691937947	1.622110237	0.297852262	6.401985048
2157	6.930624585	8.124621578	5.682753487	1.42969805	0.411247015	5.933765559
2159	5.177272531	8.316112635	2.331574561	3.566736735	0.666260908	12.86895569
2160	3.673891471	5.225842203	2.537967292	2.059066017	0.370445218	10.08318347
2161	4.807865765	5.788533796	3.379972962	1.712597663	0.35660921	7.417203959
2162	7.256824189	9.306354388	4.277760594	2.175520154	0.877779206	12.0959139
2166	6.891769903	9.289019349	5.511696216	1.685328615	0.533971486	7.747958699
2167	7.603848628	9.756074241	5.528600329	1.764655367	0.745580577	9.805305362
2170	5.099344238	6.028909956	3.723161735	1.619298431	0.369333148	7.242757717
2172	4.098933027	5.440296158	2.909129105	1.87007725	0.294342005	7.180942044
2173	3.757183208	5.272516852	2.117205762	2.490318583	0.32797164	8.729189451
2175	4.588772086	5.679208992	2.966692511	1.914323433	0.385324137	8.397107756
2176	4.796778088	5.603962279	3.496361463	1.60279832	0.232229554	4.841365387
2180	7.818207016	8.627267539	6.875323732	1.254816191	0.311050331	3.978537927
2181	7.953561836	8.54977224	7.007591939	1.220072789	0.280175282	3.52263914
2182	5.089587744	6.144535035	2.838753837	2.164518443	0.44057183	8.656336276
2184	5.807878661	7.246153674	4.908079939	1.476372383	0.33627036	5.789899883
2186	6.937573832	7.560470928	5.574402109	1.356283738	0.282615533	4.073694063
2189	6.267066249	6.935861417	5.590405491	1.240672332	0.254541186	4.061568465
2191	5.181309503	6.90478661	3.066405771	2.251752418	0.703865454	13.58470197
2192	6.636412842	8.460829159	2.343664908	3.610084842	0.683919596	10.30556133
2193	6.991594706	7.578926946	6.043835684	1.253992885	0.292430662	4.182603175
2194	5.871876653	7.530204019	4.5841864	1.642647869	0.41547226	7.075629891
2195	8.50185202	9.619493869	6.629997667	1.450904563	0.588829713	6.925899344
2196	4.470713455	6.154543906	2.950460576	2.085960394	0.509364207	11.39335392
2197	11.37797073	12.00985741	10.52046832	1.141570607	0.221895661	1.950221761
2199	7.028765298	9.504526856	5.575846924	1.704588915	0.670478993	9.539072144
2200	7.937444363	9.338167386	5.950190268	1.569389711	0.547951731	6.903377287
2202	7.943664174	9.192824157	6.46705842	1.421484632	0.472676478	5.950358264
2203	7.441758404	8.64050887	6.28628111	1.374502463	0.417830088	5.614668807
2205	4.891455146	6.371158496	3.316808259	1.920870307	0.574865958	11.75245281
2207	6.782024154	10.16065138	4.726888975	2.149543056	1.119181701	16.50217805
2208	4.533256548	7.357680836	2.932220623	2.509252128	0.64580698	14.2459835
2212	5.081738247	6.516897214	0.022548061	289.0225073	0.750396556	14.76653301
2213	5.770660208	8.089383388	3.97707279	2.034004358	0.934995653	16.20257682
2215	4.890490329	7.394507356	2.496252681	2.96224313	0.877672512	17.9465136
2217	8.396870542	9.088443879	7.423296081	1.224313806	0.278962835	3.322223838
2218	6.160905152	6.848041952	5.238192176	1.30732927	0.2864451	4.649399608
2219	4.668187036	5.883726681	3.157033124	1.863688612	0.429714996	9.2051795
2220	4.405673309	5.76098171	1.583723655	3.637618022	0.447833527	10.16492816
2222	8.038353042	8.584513035	7.641802936	1.123362262	0.199366709	2.480193487
2230	7.689940826	8.546572388	6.840552635	1.249397943	0.346215982	4.502193063
2232	5.5863473	6.864063327	4.445481615	1.544053923	0.392834363	7.032043341

2235	6.246712549	6.939661219	5.413792182	1.281848469	0.263046592	4.210960403
2237	5.812270117	7.415565843	3.414207874	2.171972568	0.531093324	9.137450835
2239	5.838153822	6.711175191	4.966296559	1.351344027	0.364921679	6.250634879
2241	6.496138051	7.409641144	5.339076106	1.387813359	0.39855281	6.135226919
2243	3.900042454	6.134907977	2.012224648	3.048818621	0.442616037	11.3490056
2244	3.645278772	6.109982194	1.553084774	3.934094454	0.472019094	12.94877906
2245	5.527480829	6.24459323	3.959271239	1.577207737	0.330696171	5.982764693
2246	4.568346901	6.064499982	2.400956833	2.525867978	0.376137314	8.233554099
2247	4.826634902	10.75054994	2.997721497	3.586240399	0.74705302	15.47771968
2249	4.452693413	5.991365469	2.831395017	2.11604719	0.325249818	7.304563508
2252	4.503707501	6.561572924	3.07058286	2.136914463	0.494988115	10.99068079
2254	4.068082064	5.504643061	2.590817802	2.124673938	0.332866587	8.182396075
2257	4.428161113	6.022103098	3.665111712	1.643088553	0.38106354	8.605457898
2260	6.399777679	7.465351134	5.516561009	1.353261773	0.273403323	4.272075329
2262	4.125525437	6.722295771	2.05543564	3.270496843	0.655207683	15.88179961
2263	5.903773204	7.928374622	4.892449731	1.620532669	0.561684126	9.513985493
2264	4.370434684	5.684545126	3.145612082	1.807134821	0.31514527	7.210844984
2266	3.462274418	6.293753872	1.079013606	5.832877212	0.465377944	13.44139396
2267	4.582658469	5.792876353	3.450731677	1.678738568	0.306718757	6.693031113
2268	5.710648845	7.394489007	4.405216639	1.678575565	0.599582517	10.4993764
2271	7.574533782	8.402591788	5.906468369	1.422608446	0.380798297	5.027349648
2272	6.611809806	7.901666555	5.828993354	1.355579956	0.391171758	5.916258475
2273	9.749027183	11.56717038	8.016392744	1.44293958	0.596146797	6.114936251
2274	7.804343289	9.709212462	6.590257324	1.47326758	0.616827589	7.90364501
2286	9.040695548	10.58764304	7.919053473	1.3369834	0.428773497	4.742704745
2288	6.444922522	7.291071793	5.45383481	1.336870669	0.244280247	3.790274379
2290	4.312381818	6.840774398	2.99231901	2.286111332	0.393620371	9.127679029
2295	5.105821664	6.435414014	4.042039706	1.592120435	0.537541364	10.528009
2296	6.194049174	7.990145147	5.051409184	1.581765574	0.520683724	8.406192937
2297	4.169954647	4.983266203	0.396562799	12.56614644	0.582260707	13.96323836
2302	5.415203191	8.021892576	3.588145203	2.235665538	0.646607619	11.94059754
2305	4.360002217	6.237471899	0.993430646	6.278719029	0.757831329	17.38144366
2308	7.135996311	8.006711269	6.399394901	1.25116693	0.327007333	4.582504231
2309	7.721207787	8.442817076	6.905044718	1.222702737	0.317556663	4.112784837
2313	4.998072543	5.976001871	3.02938467	1.972678455	0.380440016	7.611734572
2314	7.188852859	8.119724288	6.25747865	1.297603195	0.312180688	4.342566109
2315	3.866493352	5.307582552	2.956090907	1.795473387	0.285171247	7.375449043
2316	7.396918831	8.859342968	6.250275012	1.417432505	0.518750575	7.013062961
2317	8.265746369	8.825899268	7.389164799	1.194438006	0.31767441	3.84326346
2318	6.06051684	8.253863719	4.613675016	1.788999808	0.571878714	9.436137703
2319	6.661397109	7.884857307	6.067407042	1.299543158	0.295142975	4.430646757
2321	6.440298902	8.012365752	5.282651805	1.516731757	0.550745177	8.551546836
2323	5.059116306	6.847265911	2.634611811	2.598965769	0.484417176	9.575134214
2326	5.320347962	6.928037876	3.304238918	2.096712147	0.692318539	13.01265527
2327	6.091859778	8.06082399	3.720676635	2.166494103	0.679059617	11.14700012
2328	4.244399637	6.031429753	2.965241267	2.034043509	0.555682548	13.09213542
2329	6.389228619	7.720957481	5.489576713	1.406475924	0.31460061	4.923921634

2330	4.150475286	5.271662398	3.193664097	1.650662762	0.324578031	7.820261748
2331	9.044161566	10.25445767	8.184562737	1.252902323	0.445830001	4.929478508
2332	8.141239313	8.854760237	7.550268529	1.172774214	0.290198357	3.564547685
2334	4.171522988	8.599322905	2.430687523	3.537815052	0.56441835	13.53027064
2335	7.593518649	10.11837803	5.095811486	1.985626441	0.738923831	9.730980655
2339	7.874155642	8.53490393	7.055091197	1.209751042	0.224365086	2.849385973
2348	8.244273259	10.08669076	5.70027804	1.769508556	0.791590618	9.601702826
2350	5.843152057	6.769940206	3.727149685	1.816385382	0.443049869	7.582377878
2352	4.77362755	5.99887613	2.577911496	2.327029512	0.467823842	9.800174745
2353	10.272331	12.54271198	7.180839491	1.746691595	0.979324785	9.533617877
2354	9.106651285	12.77605538	2.002397315	6.380379802	1.640531442	18.01465095
2355	6.48362916	7.915244737	5.043436817	1.56941487	0.431602719	6.65680761
2356	6.274606048	7.563483882	5.520684925	1.370026362	0.272915999	4.349532022
2357	4.804456266	6.283398717	2.111914612	2.975214377	0.540911939	11.25854642
2358	4.214186388	5.576788135	1.549767644	3.598467264	0.467154219	11.08527664
2395	5.46611419	6.370311313	3.591280283	1.773827385	0.286349254	5.238625536
2475	5.406060747	6.400242123	4.82744286	1.325803807	0.238985474	4.42069532
2487	5.642402715	7.599138468	4.534136177	1.675983731	0.537999096	9.53492906
2491	3.588600871	4.440049292	1.802527536	2.463235209	0.465510609	12.97192487
2494	3.895475448	4.748990915	1.987160808	2.389837247	0.323938579	8.315764882
2495	10.54822827	11.56075128	9.730355242	1.188111944	0.249473787	2.365077625
2512	11.35224488	12.19393985	10.50820615	1.160420692	0.297333606	2.619161311
2515	3.27088746	5.20383584	0.073574566	70.72873273	0.563908947	17.24024302
2517	7.513243827	8.531554463	6.668163298	1.279445941	0.285217835	3.796200971
2521	6.988851971	7.658736055	5.96480287	1.283988125	0.317789131	4.547086307
2523	5.147555775	6.338014926	4.109881829	1.542140429	0.283424641	5.50600427
2526	5.208266304	6.673194086	3.980032694	1.676668158	0.354875062	6.813688879
2528	4.52552097	5.994921676	3.519225868	1.703477384	0.26805013	5.923077847
2530	6.383394168	7.449738366	5.36215735	1.389317374	0.323179919	5.062822545
2531	6.50113358	7.022347723	5.720352373	1.227607543	0.241078827	3.708258315
2532	6.052439657	8.229114809	4.160423794	1.977951097	0.949011882	15.67982394
2533	4.769819704	7.901917397	1.385251009	5.704321703	1.065829411	22.34527671
2534	6.942639619	8.478255642	5.66267256	1.497218063	0.425809821	6.133255425
2537	8.223201082	10.12899795	7.112084285	1.424195431	0.574450309	6.985726158
2542	6.239883948	7.562776456	5.780417609	1.308344304	0.246781712	3.954908679
2547	7.7321757	8.329264983	6.547757715	1.272078984	0.220788907	2.855456414
2548	7.472677755	8.452223687	6.196919065	1.363939661	0.361971106	4.84392768
2549	5.343633111	6.001680414	4.142496756	1.448807511	0.225195437	4.214275791
2550	5.930679581	6.689437063	5.114600716	1.30790993	0.318928562	5.377605683
2551	6.431411659	7.173638753	5.711589811	1.255979331	0.30552743	4.750550052
2553	5.92637583	7.447617336	3.954207292	1.883466593	0.384964714	6.495786377
2554	3.667770358	6.246553281	1.741299106	3.58729483	0.470324615	12.82317508
2555	3.474763959	5.324840424	1.290540387	4.12605485	0.487439867	14.0279994
2559	3.419020863	5.734927729	1.67242024	3.429118826	0.507524505	14.84414763
2562	5.482915295	9.559150369	1.811038079	5.27827133	0.781811241	14.25904285
2563	4.394692695	5.68866023	3.182152886	1.787676593	0.336613575	7.659547517
2566	3.787243823	5.645062153	0.78904614	7.154286504	0.484396719	12.7902174

2568	4.022166442	5.567998318	1.387653822	4.01252692	0.432210738	10.74571986
2569	3.588148098	5.167144612	0.798985089	6.467135226	0.49325263	13.74671883
2571	3.629439495	5.767543039	2.406106631	2.397043824	0.419674408	11.5630639
2580	6.782133751	8.13951976	6.018701881	1.352371312	0.253259084	3.734209518
2581	7.077035588	8.04679725	6.322865349	1.272650421	0.382277234	5.401657652
2582	5.053196933	6.590539057	4.20300192	1.56805521	0.376503641	7.450800872
2584	5.049428703	7.246023468	3.483667846	2.079998378	0.384440372	7.613541945
2585	5.978939564	6.499200894	5.253471094	1.237125089	0.226305996	3.785052403
2588	5.809813022	7.351962381	4.944216731	1.486982222	0.299394468	5.153254786
2589	7.448145394	8.09242712	6.855492618	1.180429704	0.253624423	3.405202364
2590	6.222623872	7.254408102	5.488068129	1.321850956	0.278258051	4.47171573
2591	6.135145609	7.78532233	4.802146586	1.621217135	0.425327	6.932630892
2592	6.025276836	6.934909357	5.476259464	1.266358799	0.269747872	4.476937395
2593	6.566512375	7.373970658	5.884329862	1.253153856	0.236473421	3.6012027
2596	4.248293524	6.227148634	1.914353645	3.25287266	0.617440551	14.53384864
2597	10.7209943	11.46607392	9.729188995	1.178523094	0.297623049	2.776076922
2615	7.185921204	8.819470183	5.88084913	1.499693324	0.469509735	6.533744545
2617	8.267290424	9.024253518	7.365130089	1.225267362	0.3206814	3.878917799
2618	5.542603416	6.065138375	4.677391118	1.296692584	0.224431551	4.049208174
2619	6.037111033	9.211513523	4.854693398	1.897444961	0.540461939	8.952327306
2620	4.572299118	5.841112802	3.278082582	1.781868716	0.450779697	9.858928411
2621	7.973190551	8.815271565	7.083480771	1.244483023	0.32279313	4.048481321
2622	6.841924985	8.376617809	5.892760862	1.421509884	0.351616603	5.139147292
2623	4.676154273	6.035599485	3.412287081	1.768784203	0.340393969	7.279357117
2624	5.234309481	5.916572343	4.605924964	1.284556824	0.196792355	3.759662194
2625	5.741180388	7.514104195	4.423554442	1.69865756	0.545461107	9.500852968
2626	4.423700866	6.288186093	3.355191009	1.874166351	0.337689512	7.633642562
2627	5.73494898	7.203078599	4.097346647	1.757986136	0.369499681	6.442946271
2632	8.181071562	9.127405092	7.125198412	1.281003639	0.355230962	4.342107991
2634	6.477704608	9.642283964	4.44058013	2.171401862	1.193123084	18.41891775
2637	3.96371969	5.83032403	2.870792856	2.030910735	0.352286745	8.887781497
2638	3.167238014	5.336769587	1.305618301	4.08754196	0.407792431	12.87533268
2639	6.617409842	7.265933341	6.049699059	1.20104046	0.225995863	3.415171011
2641	3.607319741	5.717146326	1.359129324	4.206477062	0.458721003	12.71639434
2642	4.592885582	6.990181785	3.087289776	2.264180655	0.493237217	10.73915751
2643	6.187318412	8.767244908	3.929302084	2.231247362	0.843783897	13.6373117
2644	6.797375825	8.28669713	5.428505575	1.526515358	0.468626804	6.894231183
2646	4.322117583	6.062743386	2.717807424	2.230747967	0.397544363	9.19790717
2649	5.008841446	6.20966875	4.22454625	1.469901945	0.299417446	5.977778477
2650	7.084279999	8.79726524	5.692172688	1.54550217	0.543290518	7.668958844
2662	5.799472979	8.116709655	4.4492975	1.824267686	0.833996179	14.38055116
2664	8.101839303	8.706284015	7.12985596	1.221102371	0.29884262	3.688577481
2665	9.402044568	10.38986456	8.41698786	1.234392247	0.293602283	3.122749324
2669	7.221150984	9.433833444	5.073120245	1.859572213	0.922944649	12.78112936
2670	4.289029896	5.72743294	2.844081746	2.013807426	0.299701065	6.98761892
2673	7.922848889	8.623286817	6.933464567	1.24371975	0.34030471	4.295231606
2674	4.588631423	5.997845838	2.955978987	2.029055641	0.370844064	8.081801076

2675	6.557500212	8.261341671	5.320482137	1.552743052	0.543694562	8.291186343
2677	6.613137682	7.685957611	6.147516221	1.250254141	0.240670673	3.639281142
2687	6.527332484	9.881934603	4.619841585	2.139020229	0.710618212	10.88680888
2690	6.871802189	7.965814297	4.664154345	1.707879652	0.59899419	8.716697221
2691	4.268411089	6.502724394	1.122369081	5.793748689	0.578442531	13.55170622
2694	3.51386598	5.815921196	1.044329381	5.569048713	0.511081538	14.54470777
2697	10.6061127	14.06638611	9.605108814	1.46446921	0.591724853	5.579092641
2701	6.749869658	8.190207117	5.684397433	1.440822394	0.431665604	6.395169482
2702	4.466026696	5.452575609	3.693050503	1.4764422	0.343137342	7.683280126
2703	4.475873023	7.035210491	3.381702989	2.08037504	0.381860708	8.531535771
2705	4.748600888	6.78247403	3.591689263	1.888379961	0.419590752	8.836092197
2707	4.713071649	6.475689815	3.837630941	1.687418596	0.38491873	8.167046004
2709	4.073522691	4.995126703	2.018291682	2.474928053	0.488968654	12.00358243
2712	3.790285681	5.066899397	2.213554169	2.289033388	0.402922235	10.63039225
2717	7.119324752	8.207026472	6.244826496	1.314212088	0.325395354	4.570592928
2719	5.335975086	7.831109332	3.917010385	1.999256719	0.714200455	13.38462874
2729	6.744759696	8.792016363	6.169484664	1.42508116	0.34686575	5.142744381
2730	6.968800887	8.246977384	5.885188217	1.401310728	0.413778525	5.937585707
2731	6.875482925	9.805594145	4.866885922	2.014757342	1.087854676	15.82222934
2733	5.759530756	6.367984974	4.65447296	1.368143081	0.227808338	3.955328086
2734	8.262506534	9.087114104	7.512448466	1.209607513	0.295074326	3.57124469
2735	5.059898704	7.71522785	3.097364317	2.490900992	0.68040593	13.44702671
2736	4.412971515	5.526460256	3.088285381	1.789491441	0.285700248	6.474101333
2737	6.296101924	7.076863876	4.878547498	1.450608789	0.342948097	5.446990871
2739	9.044842625	9.608471087	8.542715395	1.124756081	0.183504995	2.028835691
2740	4.506329428	6.153995719	3.202021115	1.921909787	0.348409852	7.731566399
2743	4.111982481	4.976351119	2.524281188	1.971393339	0.389096687	9.462508373
2744	6.377383081	7.410936577	5.5603451	1.332819536	0.264754822	4.151464934
2745	7.435740377	9.322990933	5.146199558	1.811626391	0.677856099	9.116188366
2752	8.756179979	9.811671721	7.714969127	1.271770704	0.418867723	4.783681062
2760	5.979613377	7.385856142	4.625576716	1.596742762	0.421896503	7.055581635
2762	5.995976579	7.239151275	4.782531071	1.513665289	0.36074494	6.016450112
2764	7.728444744	8.844854377	6.937328227	1.274965532	0.322051428	4.167092323
2766	5.303059826	6.750298617	4.321494661	1.562028684	0.328017037	6.185429694
2767	7.890828354	8.572351109	6.688323112	1.281689142	0.335406754	4.250589914
2768	6.477708641	7.096245492	5.37897486	1.319256118	0.288675519	4.456444941
2769	4.907615297	6.516285302	3.218048725	2.02491816	0.541048723	11.02467675
2770	7.41407764	9.15812351	5.507986868	1.662698864	0.633864579	8.549473177
2773	7.216221964	8.249186479	6.302392268	1.308897658	0.301204228	4.173987845
2774	5.701657578	7.074173734	4.641021147	1.524270955	0.466501004	8.181848839
2775	4.719351361	5.512453418	3.733482641	1.476490973	0.251755822	5.334542875
2778	9.057254677	10.20695615	8.480201448	1.203621896	0.270250691	2.983803602
2779	4.051465254	6.247298604	2.516950217	2.482090652	0.415407305	10.25326097
2780	3.794714817	5.676794123	2.106440869	2.694969609	0.410175831	10.80913455
2781	5.261219689	6.12882226	3.364213265	1.821769839	0.318230357	6.048604246
2782	8.746356257	9.421933517	7.325662055	1.286154541	0.306638981	3.50590545
2783	8.108430792	9.103567233	6.980520985	1.304138653	0.327045738	4.033403583

2787	9.631862485	10.65722892	8.932212603	1.19312307	0.246758218	2.561895149
2788	6.130184474	7.305737536	4.77157974	1.531094089	0.309341536	5.046202729
2791	7.56758862	8.792742846	6.007394405	1.463653333	0.49565473	6.549705001
2796	4.185902493	5.141091459	2.489949968	2.064736853	0.362647452	8.663542748
2799	8.096638406	8.851294954	7.236943267	1.223070933	0.27037626	3.339364392
2800	6.207312522	6.746766474	5.37492466	1.255229961	0.244144012	3.933167717
2801	6.927085223	7.567189354	6.123169236	1.235828876	0.302314844	4.364243179
2802	6.571997348	6.977333188	5.623029444	1.240849485	0.194773633	2.963690068
2803	7.829580174	9.450096435	6.77452629	1.394945717	0.387322585	4.946913839
2804	7.950690329	8.472208508	6.903055651	1.227312793	0.271177084	3.410736339
2805	7.738126879	9.17109141	6.878672711	1.333264686	0.391295665	5.056723303
2806	8.643976954	9.28761511	8.200311274	1.132592996	0.221864907	2.566699433
2810	5.939904134	8.118894246	4.158650626	1.952290533	0.642051945	10.80912975
2813	4.496526254	5.800280558	2.869720092	2.021200804	0.286551209	6.37272403
2815	4.773325024	6.747751312	3.292252408	2.049585049	0.377911984	7.917164282
2817	5.616663435	6.336722846	3.890486157	1.628774038	0.34456906	6.134764241
2819	4.351094774	6.056529772	2.957453085	2.047887015	0.448734565	10.31314161
2820	5.569184771	6.480735199	4.521313567	1.433374417	0.314871813	5.653822344
2821	8.681555482	9.437549288	7.570705547	1.246587815	0.328585852	3.784873026
2822	4.410470068	5.570407304	3.743933993	1.487848695	0.301786278	6.84249691
2823	6.719788129	8.253069555	4.890401325	1.687605782	0.579812161	8.628429193
2824	6.076923432	7.281411852	4.736389334	1.537333893	0.566611682	9.323989159
2825	4.184440467	5.423875658	2.823179864	1.921193803	0.339060052	8.102876713
2827	4.859512923	7.14202741	2.442909024	2.92357486	0.618062968	12.71861969
2828	5.315269873	6.796623215	0.759298908	8.951182654	0.638141504	12.00581567
2842	4.027553375	6.316999926	0.999394989	6.320824096	0.605205867	15.02663802
2843	4.60311881	5.823638539	3.473347616	1.67666447	0.341562376	7.420238113
2852	6.087946049	8.160417232	4.4941926	1.815769362	0.551555992	9.059804202
2868	4.36999734	5.800393487	2.702907464	2.145983007	0.341657881	7.818262895
2869	5.99063519	6.803683014	5.467662046	1.244349588	0.22836094	3.811965388
2870	6.034692112	7.193822975	4.364706642	1.648180179	0.43099838	7.142011098
2872	8.667665128	9.925824257	7.829755735	1.267705481	0.342805904	3.954997093
2874	7.808359418	8.53854012	6.541654495	1.305256969	0.28518011	3.652241075
2875	5.342244592	6.262152015	3.906010774	1.603209099	0.309332719	5.790313666
2876	9.5873794	10.35878598	8.803641127	1.176647915	0.319945343	3.33715116
2877	4.281365445	6.199252842	2.246680045	2.759294923	0.550560607	12.85946305
2878	11.5565278	13.38332606	10.09652325	1.325538082	0.516000601	4.465014144
2879	9.943017153	10.59838923	9.163105256	1.156637289	0.258859066	2.603425717
2882	7.373303196	8.283263068	6.494128344	1.275500364	0.333665195	4.525314987
2885	7.085600221	7.817851311	5.947331131	1.314514215	0.305056267	4.305298877
2886	5.423927603	7.596131755	2.943025508	2.581062153	0.562272979	10.36652811
2887	6.440096853	7.5249437	5.031466365	1.495576668	0.429396067	6.667540517
2888	5.609715249	7.007618909	3.391904265	2.065983696	0.666980835	11.88974494
2889	5.902957984	6.589891309	4.896346074	1.345879398	0.312831499	5.299571844
2890	3.772576291	5.310842884	2.662888363	1.994391863	0.343437762	9.103533902
2891	3.267548568	4.466134955	1.819261749	2.454916098	0.316661993	9.691118173
2892	3.661164045	5.19013823	2.305044121	2.251643768	0.342189942	9.346479362

2896	8.510024515	9.755767023	7.443751411	1.310598176	0.363679845	4.273546382
2897	3.891687346	4.922731073	2.45235919	2.007345047	0.272385412	6.999159695
2898	4.168448242	5.658784846	2.401504851	2.356349538	0.442661111	10.61932607
2899	3.863473729	5.675571526	2.448281767	2.318185596	0.376617601	9.748159995
2902	4.654153191	6.272419769	3.826384366	1.639255017	0.312130356	6.706490807
2903	4.145093982	5.514537249	3.154338398	1.74823895	0.30319803	7.314623775
2904	4.037370781	6.431579508	2.844534612	2.261030497	0.384461833	9.522579267
2905	5.866241591	7.87897645	4.941179213	1.594553873	0.504791269	8.605020111
2906	4.157725702	6.272720883	2.756981732	2.275213074	0.42283798	10.16993448
2907	7.435496718	8.423825555	6.629527117	1.270652553	0.324418119	4.363099483
2908	8.097698389	8.683657967	7.36352998	1.17927923	0.252490552	3.118053306
2909	6.172303063	6.784760465	5.506945744	1.232036919	0.234187899	3.794173697
2912	4.723754808	7.449283237	3.824044265	1.94801177	0.37749222	7.991359329
2913	3.924031676	6.028923304	1.83873512	3.278842742	0.493979584	12.5885728
2919	4.732629709	6.535898272	2.662024385	2.455236064	0.536694046	11.34029237
2920	5.142925026	7.00083094	3.893129929	1.79825258	0.582333996	11.32301158
2921	4.269479544	7.214008253	-0.113340829	-63.64880425	0.800743287	18.75505619
2922	4.833130859	10.11694402	0.46042281	21.9731599	1.602476836	33.15608211
2926	7.153561749	7.5952735	6.047223465	1.255993522	0.186484192	2.606871913
2932	6.544106671	6.972787793	5.635249145	1.237352176	0.201004636	3.071536671
2935	6.927638415	7.609258418	6.374667544	1.193671413	0.226542133	3.270120633
2936	6.6565026	7.150305624	5.723658258	1.249254463	0.23615044	3.547665401
2937	7.261445241	7.931106094	6.776146179	1.170444953	0.216781215	2.985372859
2940	3.885945914	6.701327532	2.169633744	3.088690684	0.493898682	12.7098702
2941	7.352271618	8.33461733	6.033791294	1.381323437	0.447844877	6.091245001
2947	8.134063715	9.335919616	6.338366949	1.47292192	0.573867191	7.055110599
2948	6.824856465	7.535846166	5.7857911	1.302474637	0.350689145	5.138410562
2949	6.253317252	8.765163757	4.935909317	1.775795136	0.598153366	9.56537693
2950	9.820565113	11.42986847	8.109394715	1.409460123	0.388925653	3.960318464
2952	6.398106413	8.768292193	1.106778985	7.922351539	1.535115896	23.99328484
2954	6.818287029	7.892572051	6.121068001	1.289410941	0.343313286	5.035183834
2957	6.590600299	7.375291043	5.598310256	1.317413774	0.301820865	4.579565619
2958	6.852702446	7.395570957	6.087529509	1.214872297	0.217738482	3.177410432
2959	8.158890386	9.229967075	7.323916058	1.260250254	0.329983212	4.04446189
2960	6.700346298	7.25743297	5.731235842	1.266294595	0.291203638	4.346098319
2961	7.71541544	8.314409484	6.835185437	1.216413155	0.235183919	3.048234028
2962	7.351400414	8.05118604	6.503746824	1.23793042	0.287104182	3.905435235
2963	6.238527803	7.112305159	5.561852058	1.278765613	0.309495621	4.96103618
2965	6.662530734	7.367743845	6.095278787	1.208762405	0.237014934	3.557431
2967	6.935364846	7.593451391	6.075753602	1.249795809	0.291779761	4.207129225
2968	6.186413429	7.317537631	5.238562382	1.396859882	0.373546848	6.038181132
2975	8.179383007	9.043431842	7.327088225	1.234246342	0.351898281	4.302259476
2976	7.423086373	8.081747005	6.438194574	1.255281572	0.2438298	3.284749601
2977	4.591479928	5.392509827	3.508627244	1.536928677	0.330499279	7.198099189
2978	4.257745366	5.62598491	2.565053725	2.193320497	0.329462011	7.737945382
2982	6.711191629	7.764122029	5.821648271	1.333663881	0.386238612	5.755142056
2983	5.777724721	6.731101959	4.748083908	1.417645958	0.427479252	7.398747308

2984	3.791534997	5.413288104	2.201064305	2.459395707	0.412818595	10.88790147
2987	7.135928389	8.290056295	6.230459869	1.330568926	0.2687192	3.765721641
2990	7.528283305	8.718334435	6.452031374	1.351254191	0.238286913	3.165222447
2992	7.784433279	8.638160124	7.092403549	1.217945378	0.271025623	3.481635893
2993	3.570670103	5.118039053	1.757742204	2.911711991	0.396600345	11.10716849
2995	7.445958923	8.930774455	5.899884553	1.513720205	0.514996518	6.916456614
2996	3.675675226	5.219527577	2.049317503	2.54695896	0.362431392	9.860267016
2997	6.447014326	7.131440278	4.994832894	1.427763537	0.304187394	4.718267693
2998	3.137648459	5.663064612	0.910650742	6.218700923	0.593254064	18.9076014
2999	5.238257731	7.860373055	2.893499682	2.716562613	0.757456213	14.46007914
3001	6.066178009	9.456008527	3.83522759	2.465566464	1.334535866	21.99961597
3002	5.143374172	8.52973549	2.286867644	3.729877202	1.206511095	23.45757969
3003	5.924726052	10.43686932	0.686330909	15.20675987	1.7105866	28.87199484
3004	4.931385169	6.984303991	1.800954989	3.878111354	0.619371982	12.55979731
3005	8.560338472	9.621452681	7.269949596	1.323455212	0.447558559	5.228281102
3006	8.381488363	10.46758935	7.202051148	1.453417801	0.573466002	6.842054508
3007	4.733944031	5.716464599	2.633011145	2.171074972	0.458028925	9.675419104
3012	5.968878119	7.813752398	4.650933641	1.680039536	0.611937561	10.25213699
3014	5.705309741	7.001750817	4.786105383	1.462932856	0.359010579	6.292569475
3015	9.399980882	10.85749105	8.415914	1.290114306	0.411881562	4.381727653
3017	7.622825337	9.153418093	6.333515933	1.445234873	0.478996435	6.283712586
3024	4.416302872	5.658998355	2.649002489	2.136275212	0.360607543	8.165371655
3028	8.87108354	9.545867552	7.969052738	1.197867283	0.30340509	3.420158192
3029	7.622384601	8.502366016	6.809944294	1.248522109	0.280559991	3.6807378
3030	8.378498476	9.176795691	7.799030708	1.176658489	0.240105697	2.8657366
3032	9.584300715	10.19958454	9.028227398	1.129743868	0.195163155	2.036279547
3033	7.901168767	8.406845798	7.206235367	1.166607163	0.268916807	3.40350668
3034	4.212590229	5.182064504	2.565878103	2.019606659	0.285004495	6.765540428
3046	4.439958014	7.619971795	0.639610673	11.91345316	0.669003652	15.0677923
3050	4.063590917	6.830855261	2.547185178	2.681726998	0.542032331	13.3387524
3052	7.178745865	7.847718608	6.39442261	1.227275563	0.24709388	3.442020167
3053	4.400634111	6.931429875	1.753573105	3.952746455	0.71950804	16.35009915
3054	5.930674947	7.128359596	4.907864515	1.4524361	0.251032223	4.232776626
3055	5.61184378	8.138531327	4.244719052	1.917330977	0.944315723	16.82719192
3059	6.526173138	10.00595431	4.169376087	2.399868494	1.320717451	20.23724199
3060	4.240308904	5.821962869	0.178176202	32.67531135	0.543919227	12.82734913
3061	3.81972704	5.53094889	2.280083008	2.425766462	0.377815439	9.891163305
3062	4.055892956	6.077855243	1.646188264	3.692077859	0.529981457	13.06694883
3064	6.197659463	7.617942476	3.952408749	1.927417674	0.401717156	6.481755874
3065	9.132475802	9.760736943	8.61848826	1.132534692	0.222413006	2.435407564
3066	6.745000418	7.544480487	4.827959337	1.562664464	0.265043842	3.929485921
3068	8.809576441	9.380046718	8.091646825	1.159225918	0.243103049	2.759531639
3071	5.546472355	8.02285655	2.763259338	2.903403397	0.999257472	18.01609038
3073	6.202838027	6.873760162	5.625804913	1.221826968	0.232980579	3.75603197
3074	9.234742904	9.624331644	8.369336351	1.14995159	0.237433325	2.571087544
3077	5.186676099	5.694015366	4.467646834	1.274499883	0.200478136	3.865252659
3081	7.144628852	9.434092916	5.820947793	1.620714229	0.63153868	8.839349018

3082	4.416442109	5.521820988	2.39085415	2.309559949	0.365774203	8.282101165
3083	4.157523536	6.651461302	2.911518896	2.284533104	0.427175204	10.2747513
3084	5.131077646	6.655934499	3.91190778	1.701454858	0.437110456	8.518882118
3087	9.452603102	11.59091972	7.392158816	1.568001989	0.658944532	6.971037768
3091	9.581117703	10.71804961	8.849957679	1.211084844	0.280821392	2.930987806
3092	5.388916473	6.935392771	4.099987434	1.691564397	0.390289686	7.24245194
3093	7.389771859	7.946079668	6.871263209	1.15642196	0.193362504	2.616623463
3094	9.745739413	10.51153792	9.318966004	1.127972558	0.218908099	2.246192819
3096	5.741764601	6.799361853	4.733714094	1.436369353	0.351629714	6.124070527
3097	6.170698804	7.030470882	5.615443798	1.251988469	0.246785181	3.999306872
3099	5.859243577	6.828219221	4.752676239	1.436710366	0.358585882	6.120002996
3108	7.968079475	10.87705497	6.421226046	1.69392183	1.058415769	13.28319794
3109	9.003911863	10.93440633	7.94046549	1.37704853	0.60485456	6.717686374
3110	3.99692258	5.618191101	1.568394727	3.582128277	0.506677164	12.67668196
3111	5.43953536	6.692720344	3.997991266	1.674020752	0.472449888	8.685482424
3113	8.573127454	11.73725611	6.385414328	1.838135399	1.289532172	15.04156072
3115	7.19737701	9.872424834	5.610770762	1.759548777	0.875195647	12.15992501
3122	9.574248828	12.57265288	7.149368251	1.758568371	1.344679703	14.04475408
3134	8.110346787	10.37954052	5.634882383	1.842015469	0.797341973	9.831169906
3140	6.33378053	7.151368911	5.424626733	1.318315391	0.265207001	4.187183309
3141	5.526789874	7.178583136	4.561173869	1.573845537	0.288835139	5.22609228
3142	5.576926559	6.89215032	3.771498941	1.827430002	0.495447303	8.883877129
3155	8.269414667	8.879089504	7.654358516	1.160004393	0.249217117	3.013721367
3156	7.870078587	9.49692298	6.884159003	1.379532776	0.551282437	7.004789477
3158	4.182304253	6.280829513	2.432591525	2.581949928	0.556506105	13.30620805
3159	5.964076	7.268664188	4.46122916	1.629296305	0.446980576	7.494548629
3161	4.409420725	8.996126636	-0.435686306	-20.64817396	1.1267674	25.55363778
3162	6.044358934	8.112368087	3.389909742	2.39309265	0.784880203	12.98533412
3163	6.766773482	7.386859718	6.317566453	1.169257146	0.204242399	3.018312936
3164	7.166331787	9.106411741	3.850677827	2.364885392	0.787568769	10.98984519
3166	4.812740219	7.830569362	3.818633274	2.050620942	0.456325579	9.481616666
3169	3.471119487	5.741384931	1.195461487	4.802651522	0.527988067	15.21088711
3170	5.005179042	6.789123464	3.997257799	1.698445236	0.557503079	11.1385242
3174	3.547570871	5.365620038	0.748908576	7.164586189	0.40779452	11.4950352
3175	4.249798763	5.859063183	1.871417663	3.13081537	0.453602569	10.67350701
3181	8.364155993	9.156167057	7.826601829	1.169877714	0.246783671	2.95049102
3182	8.779165202	9.942574126	7.369127327	1.349220021	0.376918975	4.293335032
3184	7.448251142	8.067520783	6.826102417	1.181863425	0.167949944	2.254890991
3185	7.380317251	8.262277942	6.17445577	1.338138656	0.326548567	4.424587122
3187	8.120539535	9.17173526	7.302808077	1.255918978	0.302927608	3.730387706
3189	8.589022936	9.506424159	7.957885737	1.194591688	0.266600431	3.103966927
3190	10.26920948	10.92732003	9.66503926	1.130602757	0.190894246	1.858899133
3192	7.523930951	8.392804368	5.812852567	1.443835754	0.338355087	4.497051997
3195	4.341925338	7.452945301	3.361109992	2.217405952	0.428228467	9.862640051
3198	3.713584549	5.531611122	0.888525993	6.225604168	0.652011504	17.5574703
3199	4.123836607	5.921412408	0.80457898	7.359640946	0.527321713	12.7871631
3201	5.021343064	5.966628324	2.472816807	2.412887323	0.395264385	7.871686515

3202	4.32184308	5.761765301	2.955539239	1.949480226	0.420113034	9.720691525
3208	4.899377542	5.730893846	3.112141351	1.841463224	0.333075797	6.798328852
3212	5.630930811	6.988059737	4.06468518	1.719213033	0.518342996	9.205280848
3215	4.826291575	5.653762358	2.215091208	2.552383549	0.422688619	8.758041509
3216	3.984782958	5.708889048	1.065957713	5.35564308	0.535216278	13.43150389
3217	4.653455361	5.459803605	2.512759687	2.172831582	0.492222473	10.57756947
3223	5.055177315	7.283961643	2.859573686	2.547219426	0.602022947	11.9090372
3231	4.112694809	5.55204781	2.522545109	2.200970674	0.415641424	10.1063036
3235	4.706975672	5.97984082	3.187950414	1.875763436	0.337792953	7.176432947
3236	3.983780374	4.562611066	2.757002598	1.654917217	0.315045855	7.908213442
3241	7.323480193	8.308666341	5.207603826	1.59548741	0.413065371	5.640287953
3242	3.705142871	7.841022661	2.651865641	2.956794847	0.477456674	12.88632288
3248	4.860669038	6.547081775	3.861928056	1.695288385	0.48271795	9.931100967
3249	6.143625795	7.935319708	4.484882737	1.769348314	0.596215708	9.704622781
3251	6.445439707	7.293128774	5.025143827	1.45132737	0.295046585	4.577602126
3257	5.425014604	5.856829793	4.643758203	1.26122626	0.198512034	3.659198148
3263	5.079590344	6.287398309	4.359969256	1.442074001	0.291099591	5.730769037
3265	6.592776544	7.181968303	5.800832522	1.238092683	0.254960506	3.867270552
3267	6.235739694	7.09215301	5.047225762	1.405158664	0.280031876	4.490756352
3268	4.850658907	5.975078245	4.069221975	1.468358886	0.227348929	4.686970019
3269	4.443330081	5.736204569	1.956216487	2.932295381	0.519633378	11.69468324
3273	4.156336505	5.898063781	1.952075227	3.021432628	0.388903924	9.35689215
3275	6.225216054	6.730608725	5.855990095	1.149354527	0.159584866	2.563523335
3276	6.735855342	7.539796973	5.942536001	1.2687844	0.270793982	4.020187015
3280	7.456437913	9.07174651	6.078923893	1.4923277	0.535718444	7.184642996
3281	9.690575632	10.40911982	8.648990996	1.20350684	0.30695426	3.167554451
3283	3.657740131	5.910011019	1.445239575	4.089295036	0.421161527	11.51425504
3290	5.052459739	7.636291719	1.937084666	3.942156919	0.762462784	15.09092251
3291	5.665567613	8.201231143	3.260418261	2.515392347	0.734797071	12.96952258
3292	6.007643293	8.022646693	5.116602212	1.567963731	0.337993412	5.626056601
3293	5.442356974	7.476991815	2.80237957	2.668086756	0.535211961	9.834194333
3294	3.601207047	5.733080796	0.403903984	14.19416748	0.719288239	19.97353193
3298	5.744289	6.588189289	4.107402766	1.603979367	0.339836562	5.916077033
3300	7.336538717	8.755727411	5.223519908	1.676212126	0.381489475	5.199856356
3301	9.297390469	10.84614033	8.311433502	1.304966265	0.359626611	3.868038157
3304	9.625818228	11.17819496	8.320273285	1.343488919	0.533973455	5.547304576
3305	6.49644727	7.373692628	5.52111513	1.33554408	0.313964312	4.832861701
3308	7.077054947	8.164130144	6.315003986	1.292814726	0.301128811	4.255001735
3321	5.48460536	6.529297087	4.582152185	1.424941124	0.302288261	5.511577245
3326	9.789004686	11.12262742	8.846949938	1.257227349	0.363844523	3.716869434
3337	8.398912768	10.68076492	6.86427616	1.555992893	0.649408695	7.732056674
3338	6.101635125	6.954631319	5.582196036	1.245859385	0.224865852	3.685337577
3340	6.076619036	6.526899967	5.394850115	1.209838981	0.215493335	3.546270284
3351	4.424171974	7.26988594	1.722699228	4.220055261	0.629197208	14.22180719
3352	3.913734429	5.566631683	2.581597497	2.156274047	0.367496008	9.389906625
3356	3.979487634	5.382823324	1.849199516	2.910893756	0.35448863	8.907896259
3357	5.11380246	7.164804912	3.507596255	2.042653826	0.658611338	12.87909228

3358	3.345532033	6.073413829	0.22450945	27.05192956	0.616312906	18.42196996
3359	4.369764296	6.017711276	1.924078741	3.127580565	0.522688157	11.96147257
3360	4.410319475	5.805006514	3.350160879	1.732754552	0.333846861	7.569675226
3362	4.648467447	6.082324799	2.924210261	2.079988871	0.341910073	7.355328965
3371	4.865950386	7.352388626	2.239316305	3.283318489	0.961418601	19.75808475
3373	5.16801126	6.60867165	2.945974082	2.243289135	0.490860104	9.498046341
3375	3.5932835	6.265658764	0.662679228	9.455040242	0.617951801	17.19741293
3376	8.641234605	9.319176305	7.88491153	1.18189992	0.225077382	2.604690092
3381	3.896629373	5.189648462	0.535492186	9.691361709	0.59560951	15.28524921
3382	5.310203499	6.437157161	4.667126818	1.37925482	0.294944338	5.554294451
3383	5.778095979	7.66555378	3.269163369	2.344805968	0.659300113	11.41033509
3384	7.305866598	9.1251617	6.183094506	1.475824394	0.531285059	7.272033399
3385	7.045097067	9.122813695	5.885377508	1.550081313	0.688403341	9.771381913
3394	6.789071709	10.37757827	4.764619438	2.17804977	1.263766269	18.6147138
3397	10.04904546	12.00418826	7.030417673	1.707464453	0.745358205	7.417204028
3398	8.90541756	10.45138134	6.895994783	1.515572686	0.473438866	5.316301714
3399	10.27005432	11.36039164	8.604265864	1.320320852	0.563869862	5.490427258
3400	9.097971635	10.81393699	8.01680857	1.348907972	0.59320951	6.520239172
3416	6.694936849	7.337690193	5.672982446	1.293444897	0.259939596	3.882629537
3417	7.400364371	7.875152662	6.193726017	1.271472558	0.236746826	3.199123907
3418	6.35448378	7.338391061	4.434133328	1.654977539	0.482069067	7.586282115
3419	6.599258268	7.202511682	5.812345634	1.239174704	0.228838546	3.467640407
3421	7.604150894	8.502574995	5.818860093	1.461209732	0.388854101	5.113708375
3422	7.319167224	7.814247228	6.772871278	1.153756938	0.225162721	3.076343447
3423	6.328004885	7.330002935	5.692000278	1.287772765	0.216270983	3.417680409
3425	5.165205547	5.996354597	4.446262533	1.348628101	0.26384093	5.108043182
3426	6.280529313	7.991565306	4.715301649	1.694815285	0.708242923	11.27680308
3429	7.895295981	9.872167046	6.138326615	1.608283114	0.733623433	9.291905387
3430	7.149493526	8.570633783	5.752910438	1.489790929	0.425651946	5.953595793
3431	6.42176868	8.092686102	5.035835483	1.607019556	0.504571282	7.857201142
3433	6.021291893	7.44743909	4.21796164	1.765648843	0.470712555	7.817467797
3434	7.811864319	9.284788163	6.496712649	1.429151736	0.50406209	6.452519776
3437	6.499432402	8.523629723	5.321501264	1.601734041	0.582061329	8.955571701
3454	6.646230605	7.298622244	5.728414156	1.274108688	0.217075301	3.266141572
3458	4.303775548	6.929332867	2.822782843	2.454787793	0.728769802	16.93326695
3459	7.750410605	8.835288942	6.79664357	1.299948843	0.364407067	4.701777569
3460	9.101321215	9.601725531	8.170908618	1.175111114	0.193961523	2.131135897
3475	6.5441009	7.706025681	4.029975014	1.912177037	0.432557501	6.609884342
3476	8.748591684	9.679910612	8.067933925	1.199800433	0.311939147	3.56559271
3479	6.064029171	8.108487472	4.253833506	1.906160046	0.514861293	8.490415833
3480	6.395241186	7.734169027	5.544147086	1.395015123	0.431217629	6.742789152
3482	7.038583592	7.611635807	5.915442871	1.286739805	0.289067029	4.106892031
3484	3.60690029	5.939147599	1.427012757	4.161944291	0.453491317	12.572882
3485	6.330250905	7.832389296	5.094747452	1.537345937	0.451260866	7.128641068
3486	7.170449155	10.0480016	5.956856539	1.686795969	0.69455663	9.686375499
3488	7.622345397	8.819095695	6.642444525	1.327688272	0.502567759	6.593348017
3489	7.432097531	9.369844439	5.448387249	1.719746415	0.778518943	10.4750905

3491	10.04551211	12.3833291	4.503999433	2.74940734	1.15414785	11.48918878
3508	5.3654576	6.08556283	4.290257835	1.418460863	0.229281122	4.273281782
3512	7.159174056	12.4506481	2.129268749	5.847382161	2.876189919	40.17488464
3543	4.441184166	6.767757208	2.1070067	3.212024532	0.57448086	12.93530821
3547	5.723093848	8.910427345	4.254556131	2.094325958	0.83674304	14.62046687
3550	8.271816638	8.873647482	7.619428556	1.164608004	0.210383794	2.543380779
3551	6.248566068	7.297950249	5.163793168	1.413292518	0.283496874	4.536990906
3552	3.997636223	4.985840319	1.556729246	3.202766525	0.499757271	12.50131935
3553	5.67270594	7.695167323	3.700927429	2.079253774	0.7323173	12.90948814
3554	7.026086906	8.938798953	5.520555612	1.619184658	0.457528037	6.511847113
3556	4.93213271	6.133476332	3.649047674	1.680843025	0.354952103	7.196726527
3557	4.705312651	6.146708899	3.347511602	1.836202418	0.364843901	7.75387159
3559	4.578048311	5.798003081	1.726222836	3.358780198	0.56981451	12.44666879
3560	6.086183326	9.612223914	4.101208905	2.34375379	1.211981372	19.91365207
3561	5.781015065	9.556242334	3.954932565	2.41628452	1.300192758	22.49073465
3566	6.624760254	8.567292214	5.441140884	1.574539678	0.646585802	9.76013889
3568	3.989368063	6.1100727	2.921199417	2.091631494	0.350712051	8.791168051
3569	5.578445916	9.907159134	1.136219863	8.719403219	1.198435156	21.48331586
3572	6.990234935	7.906925552	4.888700997	1.617387841	0.367418447	5.25616736
3574	4.902345943	7.105012827	0.92075641	7.716495641	0.922505495	18.81763354
3575	6.057481182	9.714285285	3.377524223	2.876155623	1.459507106	24.09429038
3576	4.947205097	9.214882328	1.935344674	4.761364965	1.015944884	20.5357341
3587	6.488008429	9.170378699	4.490340759	2.042245609	1.107761774	17.07398789
3588	7.09868476	8.003538917	6.353172521	1.259770436	0.32613263	4.594268385
3589	4.301834748	5.951520878	2.532940663	2.349648756	0.391611405	9.103357711
3590	6.479779357	7.321360857	5.650824926	1.295626914	0.28744116	4.43597142
3592	3.95640756	5.482213174	1.693421731	3.237358464	0.4957026	12.52910861
3595	3.979448467	6.152174139	2.182410621	2.81898103	0.420494382	10.56664976
3596	4.751882997	6.042364311	2.945718689	2.051236031	0.349889567	7.363177227
3597	6.937999454	7.689680782	6.093067591	1.262037663	0.316205125	4.557583593
3598	4.23902211	6.80315231	1.051082349	6.472520745	0.881419401	20.79298901
3600	6.646640719	7.761633148	5.516140202	1.407076844	0.437992919	6.589688497
3601	5.695652391	7.019450008	4.349730773	1.613766547	0.427245001	7.501247822
3603	5.18004496	7.065235439	4.052947243	1.743234001	0.591170747	11.41246363
3606	4.900414419	7.961682036	3.028365638	2.629035918	0.963292019	19.65735828
3607	5.729792122	6.523011008	5.174452846	1.260618504	0.195994574	3.420622776
3608	8.960349449	9.85096413	8.244010922	1.194923712	0.275759525	3.077553242
3609	7.489890003	7.98987277	6.850779752	1.166272024	0.234068023	3.125119631
3613	7.59393132	8.963065354	5.911099225	1.516311098	0.571682785	7.528153216
3614	5.997819831	7.516361374	2.16808335	3.466823069	0.493043904	8.22038537
3617	3.151425726	5.483011712	0.897384783	6.109989622	0.573066238	18.18434854
3620	6.000869129	10.21167552	4.150093908	2.460589024	1.166299419	19.43550833
3621	5.657154459	6.468732858	4.223635039	1.531555828	0.304203554	5.377324519
3622	6.026622617	6.901662663	4.53915618	1.520472614	0.297572023	4.93762496
3623	4.565277331	5.867869953	2.94655607	1.991433326	0.350837495	7.684910894
3624	5.262152361	7.803203333	3.679027653	2.120996108	0.567660068	10.78760227
3625	7.193648472	8.598216142	5.784172117	1.486507657	0.577651829	8.030025811

3627	6.035122846	10.71123682	2.893895613	3.701321076	1.768647218	29.30590251
3628	7.840017488	9.110223451	7.351421888	1.239246446	0.284154658	3.624413571
3631	5.227923394	6.056999254	3.727741173	1.624844369	0.339314066	6.490417713
3632	6.527163022	7.218205223	5.597201528	1.289609671	0.312337293	4.785192151
3633	5.265139185	6.467785029	4.528407458	1.428269229	0.251692799	4.780363645
3635	5.143602952	7.378085751	-0.407384283	-18.1108748	0.881486419	17.13752844
3636	6.753159587	7.544992195	5.721818239	1.31863542	0.328658492	4.866736644
3638	6.407772199	7.732533762	5.113709607	1.512118277	0.411539295	6.422501954
3640	4.647655169	5.330735563	3.570414776	1.493029773	0.283752871	6.105290952
3641	3.903296806	6.451463957	1.875708312	3.439481457	0.562197605	14.40314771
3642	3.953941854	6.567583064	1.511584306	4.344834118	0.498488001	12.60736801
3646	8.745558477	9.380437651	8.290394829	1.131482619	0.226539712	2.590340141
3654	6.587660619	7.391641179	4.894501349	1.510192898	0.409563018	6.217123827
3655	6.693494365	7.568997599	5.292478145	1.430142438	0.361487373	5.400577831
3658	5.906803813	6.631849828	4.358645022	1.52153933	0.273861484	4.636373453
3659	6.645805283	9.104271107	3.980869927	2.287005422	0.847136086	12.74692908
3660	7.697373411	8.495868029	6.553015621	1.296482188	0.386828959	5.025466972
3661	7.174690436	8.048257913	6.159856844	1.30656574	0.334139187	4.657193081
3662	4.601920903	6.098593728	3.084369167	1.977258038	0.515138073	11.19397928
3663	5.030443431	6.002548051	3.596544997	1.668976214	0.413607977	8.22209777
3664	6.647999602	8.237736128	5.083593855	1.620455206	0.591921307	8.903750634
3665	6.398608926	7.767169821	5.303282983	1.464596524	0.530567379	8.291917587
3667	7.838775748	8.797521867	6.631200551	1.326686141	0.475360292	6.06421598
3669	7.715788741	9.245157685	6.044643519	1.52947939	0.670755829	8.693289202
3670	4.260404604	7.375884884	2.055378311	3.588577755	0.664360347	15.59383224
3671	7.696533285	9.029516468	5.956490644	1.515912138	0.50190287	6.521155065
3673	5.394578679	7.845189214	3.498875496	2.242203023	0.597330466	11.07279181
3674	4.562416208	5.928392313	4.017998767	1.475458968	0.279837586	6.13353919
3675	6.893105212	8.999686759	5.739072842	1.568142975	0.502688395	7.292626182
3676	4.55570485	7.783616882	1.780247671	4.37221012	1.149789379	25.23845194
3678	7.146528656	8.707261207	5.486626549	1.586997243	0.466674117	6.530081102
3679	5.587388651	7.187824686	4.150281361	1.73188853	0.388739007	6.957436314
3680	6.486905481	7.931767108	5.522272595	1.436322994	0.465797975	7.180588282
3682	8.050270764	9.22504012	7.367162168	1.252183665	0.354441351	4.402850062
3683	5.467533297	8.627525563	3.823742573	2.256303974	1.021385664	18.68092262
3684	5.257262224	6.447032222	3.701061268	1.741941501	0.508176775	9.666186563
3685	9.392202774	10.2263897	8.521086831	1.200127391	0.274797521	2.92580482
3687	5.011927053	7.036470343	3.605138304	1.951789293	0.492000538	9.816594155
3688	6.399735221	7.01842534	4.985671581	1.407719146	0.305607417	4.775313452
3689	6.105771624	8.44824107	2.712436754	3.114631542	0.989988053	16.2139712
3690	6.049272699	7.200201405	4.574191589	1.57409266	0.455599285	7.531472085
3691	4.755334767	6.038161861	4.035649306	1.496205791	0.325674438	6.848612222
3692	8.196366852	8.805776122	7.539826428	1.167901702	0.228034767	2.78214447
3693	6.765140823	8.00584769	5.733594676	1.396305135	0.360836231	5.333757865
3695	5.779950461	7.667691087	3.855638984	1.98869529	0.553307494	9.572876065
3696	4.699648221	6.157551971	3.26417799	1.886402025	0.410848355	8.742108687
3697	4.394126684	6.674469748	2.693375875	2.478105566	0.476529001	10.84468054

3698	4.097950778	5.42475854	1.033356544	5.249648412	0.595298963	14.52674752
3699	4.51098257	5.67913619	2.197075467	2.584861683	0.411486427	9.121880226
3700	4.829414828	6.297862891	3.532914105	1.782625533	0.332096488	6.876536812
3703	8.116901353	9.174845222	7.055651102	1.300354154	0.365082799	4.497809977
3705	6.144344781	6.950418174	4.984660946	1.394361271	0.289820479	4.716865498
3706	4.095103408	7.762714818	2.552966685	3.040664362	0.517354107	12.63348091
3708	7.523673377	8.412046765	6.57959882	1.27850451	0.332589407	4.420572109
3709	5.798736465	6.4346464	5.052822204	1.273475721	0.262315414	4.523665029
3710	6.412631935	7.525065737	5.687366881	1.32311945	0.261486268	4.077674675
3712	7.347082628	8.285220425	6.325543671	1.309803687	0.358063558	4.873547453
3713	4.328891288	5.972648822	3.203298299	1.864530951	0.376257283	8.691770206
3714	5.95019844	7.089393003	4.19549324	1.689763896	0.3658533	6.148589897
3716	6.935431521	7.894256921	5.062003871	1.559512225	0.372603495	5.372463032
3717	5.373928296	6.615086493	2.876269856	2.299883816	0.501403279	9.330293442
3725	9.450078468	11.06657942	5.701203189	1.941095423	0.805911724	8.528095576
3726	8.823277364	10.94620586	7.075066681	1.547152324	0.670438155	7.598516141
3728	8.471511327	9.847009356	6.693407119	1.471150519	0.571776289	6.749401218
3730	6.501652387	8.720623144	5.454063082	1.59892231	0.399633812	6.146649925
3735	9.422890969	9.8526257	7.80134032	1.262940122	0.26786138	2.842666657
3736	4.720862077	9.837976584	3.300095799	2.981118484	0.75359608	15.96310308
3738	4.403883464	6.735339594	1.495197336	4.504649273	0.637507249	14.47602449
3739	3.836619098	5.804453601	2.137250565	2.715850774	0.439957986	11.46733555
3741	4.799436708	7.431256389	1.932510117	3.845390678	0.673209206	14.02683788
3745	4.411352887	5.284167806	3.248858033	1.626469286	0.310334645	7.034908634
3746	4.096174356	5.779381968	2.47556836	2.334567715	0.353725323	8.635504549
3749	4.894989977	6.346206865	4.151532479	1.528641989	0.224808266	4.592619539
3750	4.445424975	6.900043181	2.848672822	2.422195742	0.473140613	10.64331566
3751	3.827526583	5.443503051	1.729367837	3.147683758	0.507154909	13.25019952
3754	4.977977164	7.367111631	3.237448645	2.275591813	0.482764502	9.698005562
3755	4.371905008	6.089638383	2.913295033	2.090292371	0.361354814	8.265385755
3757	4.370639669	5.966920261	2.035054492	2.932069035	0.384795898	8.804109412
3758	4.246806564	6.017959509	1.50735163	3.992405879	0.586872245	13.81914236
3760	3.581420155	5.46007874	1.592168195	3.429335391	0.455723759	12.72466617
3761	4.290764145	6.444164919	3.182051548	2.025160442	0.364884994	8.503962976
3764	6.518986651	7.499330742	4.109566328	1.824847233	0.49887564	7.652656266
3769	5.362845534	8.703539492	2.619552003	3.322529761	1.038960907	19.37331404
3772	8.120188029	11.06152131	6.385437846	1.73230428	0.744943069	9.173963297
3775	5.57095349	6.964606723	4.488051612	1.551810747	0.315488715	5.663100853
3777	5.55677159	6.281478811	4.605846044	1.36380564	0.302656946	5.446632837
3778	4.580364283	5.510629664	2.332263691	2.36278157	0.449374386	9.810887476
3779	4.666403394	5.882626047	3.489011758	1.686043629	0.358691801	7.686686531
3782	5.0061646	6.277800469	3.906391069	1.607058883	0.357692731	7.145045359
3783	4.754319003	6.821802721	1.813356106	3.761976315	0.757901819	15.94133289
3785	4.177180911	6.338705111	2.794107235	2.268597651	0.343024872	8.211874929
3786	4.393402048	5.464964674	2.101924409	2.599981546	0.451571043	10.27839104
3787	5.016136088	6.021534059	3.357232791	1.793600395	0.383345642	7.642249642
3790	5.363940444	6.623901991	4.027760189	1.644562159	0.505911922	9.43172146

3791	7.571936248	9.007078596	6.371510562	1.413648853	0.528732522	6.982791513
3792	4.641207259	7.425827028	2.865196053	2.591734349	0.560900811	12.08523515
3795	4.571538249	6.016062112	3.439877091	1.748917753	0.324503246	7.098338202
3796	6.006415074	7.158567216	4.319922726	1.657105386	0.353903305	5.892088721
3797	5.593470634	6.919407919	4.487483527	1.541935002	0.298636055	5.339011767
3798	4.888538403	6.252906154	3.821284748	1.636336093	0.349527985	7.149948629
3799	7.91948899	8.665833048	6.48129892	1.337051902	0.296287675	3.741247393
3800	4.90324427	6.146102675	4.083028697	1.505280303	0.330034034	6.730931932
3801	5.758851054	7.146756811	4.250025959	1.681579567	0.385464036	6.693419085
3814	4.134529027	7.114499351	1.968061715	3.61497777	0.51701612	12.50483711
3815	9.154813104	10.28152931	7.189704881	1.430034956	0.679854037	7.426192423
3818	4.754002886	6.342129364	2.306398118	2.749798187	0.533444917	11.22096326
3820	5.310342236	7.911103413	3.30176814	2.396020277	0.971636923	18.29706787
3822	3.936681225	7.762768251	1.405126794	5.524603392	0.956543629	24.29822418
3823	3.792486652	6.516171446	0.110737204	58.84356118	0.858112021	22.62663258
3827	3.728133003	5.551395572	2.02209465	2.745368805	0.374442997	10.04371349
3832	4.559291132	7.783206829	0.756542232	10.28786827	0.92811671	20.35660112
3833	5.059505349	6.951918297	2.174933486	3.196382023	0.710351941	14.03994841
3835	6.61554809	7.515068635	5.927735345	1.267780729	0.292136198	4.415903173
3836	6.609225768	7.231807515	6.125020659	1.180699285	0.223013543	3.37427636
3837	8.336615874	8.777634113	7.689395057	1.141524665	0.206660589	2.478950603
3839	7.644167878	8.425891772	7.065433645	1.192551257	0.254445967	3.328628709
3840	6.812763737	7.671679631	5.91665281	1.296624946	0.25770611	3.782695543
3842	7.347853889	8.024155975	6.411793845	1.25146818	0.228820794	3.114117366
3843	7.208177154	8.349133549	6.626293243	1.260000613	0.253336772	3.514574713
3848	4.510130339	6.22907687	2.707015401	2.301086601	0.403333304	8.942830338
3855	6.939778693	8.66927465	5.861005953	1.479144488	0.472845964	6.813559692
3856	9.30775769	11.11142016	7.552095206	1.471302978	0.666907531	7.165071905
3858	8.718098211	9.380036815	7.34415409	1.27721133	0.339998596	3.899917025
3860	4.121029042	7.821538835	1.606984635	4.867214447	0.915688931	22.21990968
3861	4.306308908	6.670810325	1.504591566	4.433635332	0.648771496	15.06560513
3866	4.144429654	7.995429761	1.375966824	5.810772194	0.774191413	18.68028844
3868	4.396224492	7.086678151	2.617845498	2.707065087	0.544899128	12.39470661
3875	9.452381618	10.6997015	7.622517436	1.403696559	0.47303558	5.004406286
3880	5.586710148	7.884373396	3.351157046	2.352731695	0.698777419	12.50785168
3881	4.420427438	5.773312541	1.675072499	3.446604577	0.426940319	9.658349227
3882	4.330272827	6.769197661	2.177955229	3.108051796	0.511411266	11.81013961
3884	4.365456743	6.838847645	2.348445861	2.912073792	0.547463888	12.54081578
3891	4.73183529	7.137606812	2.270973878	3.142971781	0.576344087	12.18013839
3895	8.320970975	8.840881033	7.396530819	1.195274007	0.226911712	2.726985981
3897	4.623035583	6.055468418	2.983076349	2.029940809	0.323818441	7.004454868
3898	5.170114178	7.129964218	4.103220011	1.737650966	0.358501011	6.934102391
3899	4.348466387	5.661538196	1.194998167	4.737696134	0.468229731	10.76769806
3903	5.373284436	7.454258052	3.26615762	2.282271378	0.695719723	12.94775536
3904	4.890806993	7.539227074	0.995285444	7.574939554	0.983396177	20.10703301
3908	5.634732168	6.890110421	4.234936621	1.626968958	0.443864213	7.877290337
3909	4.381612974	5.109158682	3.298853878	1.548767806	0.231259816	5.277960808

3911	7.563963331	8.861613352	6.427625511	1.37867605	0.38654518	5.110352374
3912	8.029548531	8.924959772	6.464633782	1.380582423	0.472583546	5.885555639
3913	8.016481842	8.658228419	6.582917462	1.315257022	0.340790496	4.251122909
3915	8.108510212	9.540430856	6.991287971	1.364617063	0.356678317	4.398814422
3916	8.783131045	9.537380131	7.423897766	1.284686351	0.377561725	4.298714467
3920	8.395577015	8.890114966	7.834693686	1.134711237	0.217091195	2.585780515
3925	5.037174243	6.318149109	3.088396823	2.045769852	0.439916285	8.733394229
3927	8.427129201	9.268891916	7.239332893	1.280351664	0.337391459	4.003634588
3929	4.25541476	6.175521741	2.367284933	2.60869389	0.474969367	11.16152935
3930	7.399135962	9.599504159	5.819334479	1.649587972	0.641224423	8.666206791
3932	5.390596139	9.283137355	2.54407747	3.648920861	1.343768758	24.92801766
3934	5.100561319	7.496148348	2.624803649	2.855889183	0.768955698	15.07590341
3936	7.161085267	11.00177683	5.129175903	2.144940443	1.309641568	18.28831133
3937	5.131423747	7.201689712	3.406731485	2.113958715	0.738661339	14.39486145
3938	4.047352436	6.946317229	0.861143807	8.066384696	0.708652361	17.50903515
3939	10.30706081	11.29552288	9.455164873	1.194640499	0.323830205	3.141828796
3948	4.025784276	4.947569147	1.611254584	3.070631541	0.523782651	13.01069842
3949	4.900416955	6.2515952	2.973462259	2.102463275	0.455454218	9.294193177
3950	3.700777611	5.499133846	0.815435122	6.743803028	0.547296413	14.78868687
3952	4.387429127	5.806270029	1.030633728	5.633689129	0.761341363	17.35279
3955	5.252334682	6.350568957	3.738317035	1.698777524	0.403247292	7.677486611
3956	9.273571217	10.66464328	7.781917377	1.370439027	0.587467005	6.334851923
3957	4.896531221	8.134667665	-0.041378384	-196.5922048	1.336785044	27.30065396
3958	6.939698511	8.092110427	5.710493463	1.417059748	0.401563584	5.786470169
3959	8.974066639	11.07177539	7.615769324	1.453796054	0.46590484	5.191680187
3960	4.277727996	7.022823536	2.084750714	3.368663452	0.512519167	11.98110696
3965	6.064406018	8.012294834	3.121890433	2.56648816	0.753059479	12.41769559
3973	3.567013732	6.873592681	0.424393052	16.19628937	0.715371903	20.05520463
3975	4.187140967	6.527621687	2.27973892	2.863319843	0.549709264	13.12851103
3976	5.503195124	9.131343961	3.538889128	2.580285403	0.703524812	12.78393362
3978	5.969788505	6.978767426	3.869178448	1.803681976	0.371532166	6.223539845
3980	5.971503668	6.427701818	5.319477654	1.208333268	0.232267372	3.889596063
3981	6.061811857	8.352844164	5.152638778	1.621080872	0.437115037	7.210963447
3983	8.245979369	9.707322376	7.097015559	1.367803451	0.59148168	7.172970652
3984	4.893905098	6.318146644	3.32204025	1.901887446	0.32303551	6.60077185
3988	8.509708931	10.72355128	7.552880194	1.41979629	0.572460796	6.727148958
3990	4.622194354	6.736698174	2.404149955	2.802112306	0.5484741	11.86609775
3991	5.109098142	6.513465181	3.256954859	1.999863511	0.35019545	6.854349645
3995	5.928247804	7.063186186	4.143774571	1.704529545	0.39941224	6.737441703
3996	5.820052856	6.48378694	4.9866678	1.300224358	0.242387838	4.164701668
3998	7.094550259	7.919552456	5.774640772	1.371436383	0.431136262	6.077006236
4000	7.107849501	8.222362206	6.026347806	1.3644022	0.368643383	5.1864264
4004	4.408971584	6.335484887	3.390417919	1.868644231	0.450697654	10.22228529
4005	5.994165285	7.29835592	4.873735532	1.497487065	0.33374588	5.567845791
4007	4.73130212	6.341752334	2.623762015	2.417045562	0.453661717	9.588517186
4008	5.722863153	6.720973764	4.499782712	1.493621847	0.371157312	6.485517868
4012	5.862182744	6.458966946	4.82595939	1.338379879	0.232392345	3.964263052

4013	6.514611346	7.362633744	5.943486998	1.238773425	0.230881672	3.544059029
4015	5.129721354	6.771104522	3.087642893	2.192968797	0.559459708	10.90623972
4016	5.828747066	7.148667475	4.389778246	1.628480318	0.531100246	9.111739454
4017	4.762253536	6.055272159	3.118115148	1.941965537	0.453153556	9.51552774
4023	5.808588593	8.190337662	3.724695184	2.198928304	0.841843994	14.49309037
4025	4.401715222	7.630282072	1.413446253	5.398353177	0.663614729	15.07627584
4026	6.466333865	7.107138641	5.689505622	1.249166292	0.250508401	3.874040624
4033	5.310359967	9.179151544	3.523133315	2.605394325	0.970830067	18.28181278
4035	5.576734251	6.472880889	4.324831977	1.496678004	0.321174007	5.759177184
4036	8.870357957	10.72589034	7.055108841	1.520301186	0.697775431	7.866372866
4037	6.35466061	7.597679338	5.60709332	1.355012108	0.296845359	4.671301542
4038	5.714590362	8.391035401	3.736950011	2.245423508	1.108559508	19.39875719
4040	6.361411578	7.262072662	5.30000309	1.37020159	0.369642987	5.810706983
4043	7.625821961	8.705507715	6.260779614	1.390483015	0.426279682	5.589950619
4045	4.277204851	5.302647154	3.469385343	1.528411125	0.274700698	6.42243493
4046	5.870868802	7.989379951	2.921045249	2.735109959	0.805945002	13.727866
4047	5.569662971	6.589427376	4.550293748	1.448132306	0.257917523	4.630756369
4049	4.386236628	7.438162461	3.058063006	2.43231171	0.545177339	12.42927332
4050	5.7439624	7.900370053	4.045026722	1.953107012	0.759975772	13.23086259
4052	5.657695643	6.792000289	4.111620589	1.651903463	0.647962713	11.45276724
4053	8.992949121	10.06962687	7.871931279	1.279181248	0.453737615	5.045481843
4055	5.954278204	6.835220947	5.023471307	1.36065691	0.23655299	3.972823933
4057	6.743937737	10.82268175	4.41139228	2.453348299	1.450560437	21.50910186
4058	4.514563488	6.674202837	3.374018868	1.978116631	0.361509877	8.00763746
4059	6.798804675	7.864362919	5.040621061	1.560197211	0.495044357	7.281344017
4060	7.877328766	9.552909595	6.519180084	1.465354458	0.663603329	8.424217761
4061	6.439147168	9.082645769	4.088270586	2.221635182	0.665510866	10.33538835
4063	4.737478745	7.684077111	2.266085698	3.390903142	0.943969583	19.92556872
4064	4.962169692	7.922924845	1.996710524	3.967988725	0.98967838	19.94446869
4067	7.33501571	9.127293991	6.183289064	1.476122804	0.593271466	8.08820989
4068	4.827629771	7.613469354	3.100989483	2.455174194	0.758048247	15.70228627
4069	7.314603717	11.55207992	4.348465238	2.65658785	1.622820503	22.18603448
4070	5.278529605	6.792987408	3.31608268	2.048497599	0.536282256	10.15969021
4071	6.737633265	8.503045629	5.567639346	1.52722637	0.432501107	6.419184455
4072	10.51606984	13.08135145	8.886800165	1.47199793	0.883356341	8.400061568
4076	7.015764332	7.553189957	6.531327343	1.156455581	0.176435185	2.514839101
4077	6.622044834	7.347765697	5.748682117	1.278165247	0.239092459	3.610553311
4082	7.808916384	9.012287141	5.977637105	1.507667157	0.503310389	6.445329467
4084	6.002976958	6.876917805	4.743481848	1.449761594	0.338997211	5.647151631
4085	4.62927196	7.305823188	2.727653066	2.678428308	0.588042679	12.70270323
4086	6.92723767	7.715516932	5.634948595	1.369225788	0.367769742	5.309038887
4087	7.110073105	7.715982907	5.991682197	1.287782405	0.253189553	3.56099788
4088	6.630894689	8.449151011	5.525444336	1.529135124	0.380002514	5.730787955
4089	6.672464677	7.313102906	6.162375385	1.186734408	0.227525888	3.409922712
4090	6.993768853	7.768057614	6.288725977	1.235235506	0.298780521	4.272096027
4091	5.598001336	6.676670744	4.882458634	1.367481272	0.293214422	5.237841235
4092	7.455165078	8.810828564	6.193198197	1.422662134	0.495722513	6.649383453

4094	6.12760105	6.699160073	5.210630838	1.285671597	0.245148448	4.000724681
4099	4.626373733	7.771994797	3.535354879	2.198363407	0.482859348	10.43710206
4103	3.491708965	4.767169781	1.205999235	3.952879607	0.433890331	12.42630287
4107	3.861059244	6.132529985	0.907217655	6.75971191	0.559780748	14.4981134
4109	3.94188262	6.114733639	3.147893609	1.942484213	0.387832971	9.838775236
4113	3.737868018	4.940243397	2.386938283	2.069698841	0.341391674	9.133326077
4114	3.59156941	5.090237127	1.027935127	4.951905031	0.472761712	13.16309552
4118	8.134710328	9.856707107	6.997587074	1.40858656	0.568188064	6.984736286
4121	7.020470528	8.180289684	3.605113449	2.269079683	0.595383781	8.480682014
4122	6.969388148	7.818547116	6.222131944	1.256570447	0.27180194	3.89993977
4123	6.346023554	6.964222552	5.288749722	1.316799417	0.216649599	3.413942567
4124	7.572356922	8.29661058	6.520697495	1.272350172	0.328262488	4.335010774
4126	7.337959822	7.792680295	6.660905846	1.169912993	0.233290879	3.179233522
4128	8.903790561	10.99642834	7.015358518	1.567479168	0.739357277	8.303848478
4129	4.653413807	5.545385731	1.872906416	2.960845071	0.441088731	9.47882026
4131	6.63115111	7.688880644	4.453617962	1.726434712	0.596451805	8.994694808
4133	6.301506888	8.5402097	4.59643316	1.858008025	0.594996562	9.442131419
4134	6.756364355	7.431308948	4.889534032	1.519839907	0.365540642	5.410315701
4137	4.612201519	5.785805433	3.237114672	1.787334098	0.262970927	5.701635671
4140	6.977340849	7.906452936	5.835783375	1.354822897	0.254546754	3.648191471
4143	4.525733994	6.746746689	3.010217441	2.241282174	0.417254069	9.219588904
4144	8.430524603	9.67380661	6.862674681	1.409626284	0.415854468	4.932723493
4146	4.415298218	5.40268457	3.220946585	1.677359257	0.274165647	6.209447994
4148	3.617978488	4.463327993	0.105452165	42.32561734	0.537094115	14.84514395
4149	6.751424152	7.269501325	5.621390991	1.293185501	0.292293553	4.329361423
4150	6.154309047	7.102579798	5.089692051	1.395483209	0.313715078	5.097486578
4151	5.257361762	8.692053144	2.282961737	3.807358224	0.82568974	15.70540088
4152	6.358479514	7.44281222	5.056392459	1.471960945	0.273996845	4.309156685
4153	3.411461154	5.923840279	0.365869676	16.19112122	0.639955238	18.75897773
4154	6.568233335	7.415973313	5.512938457	1.345194286	0.329152943	5.011285784
4155	5.579036993	6.040212668	4.946264791	1.22116646	0.202501451	3.629684682
4163	5.64641933	6.976403353	4.972550555	1.402982891	0.351196582	6.219810495
4168	3.851575377	5.682727267	2.446542314	2.322758628	0.4277659	11.10625805
4170	7.453159604	8.945482244	5.874101838	1.522868089	0.560562285	7.521136201
4171	6.408965548	7.823485949	0.544969018	14.35583618	0.698931714	10.90553084
4172	7.250638585	8.26910296	6.504952861	1.271201058	0.315858487	4.356285082
4173	5.139763618	6.421177242	3.698749132	1.736040216	0.356750355	6.940987596
4174	5.815269465	7.678446943	3.787273524	2.027433956	0.562292572	9.669243623
4175	5.656985184	7.189883775	3.752812604	1.915865388	0.419002764	7.406820955
4176	6.854636063	8.173854945	5.935303047	1.377158821	0.32270404	4.707821644
4179	8.043466551	8.805004195	7.069926729	1.245416612	0.297221506	3.695191667
4184	4.147478823	5.680445271	2.518913798	2.255116977	0.404231565	9.746440714
4185	4.514392743	5.730812606	3.267420812	1.753925477	0.31436947	6.963715574
4188	4.8293214	7.090945473	1.521653315	4.66002696	0.639648738	13.24510599
4189	8.170940467	9.022546789	7.370260038	1.224182965	0.385816568	4.721813477
4190	9.618539332	10.28399783	9.12303855	1.127255768	0.225313697	2.342493898
4191	8.364323351	9.16851229	7.81360609	1.173403443	0.220356997	2.634486834

4192	6.432170508	8.508558439	4.856477271	1.752002113	0.671464282	10.43915551
4193	5.322282995	6.13916772	3.747421069	1.638238033	0.278788307	5.238133844
4199	5.861095721	6.93969044	4.211774408	1.647688069	0.443280742	7.563103617
4200	6.972285955	7.937678553	5.801150352	1.368293885	0.351450242	5.040674521
4201	8.607670031	9.296670079	7.605793278	1.222314325	0.277145746	3.219753368
4204	6.527913765	7.228698253	5.129179815	1.409328297	0.286069609	4.382251657
4205	6.639391109	7.213863053	4.976221201	1.449666878	0.27420715	4.130004477
4208	7.16213534	8.457056458	5.137062084	1.646282704	0.475856682	6.644061579
4209	6.365122904	7.38953185	5.765044861	1.281782194	0.223774915	3.515641704
4211	5.124120247	6.111281111	3.224778692	1.895100934	0.426367509	8.32079437
4212	6.29362125	7.602611743	4.73182992	1.606695902	0.45803653	7.27778988
4215	5.991769842	6.542179625	4.958066965	1.31950207	0.266827175	4.453228042
4216	7.479362384	8.0004624	6.750517131	1.185162891	0.216625109	2.896304499
4217	7.466079507	8.327634464	6.761713929	1.231586333	0.313965682	4.20522822
4218	8.372418179	9.140876961	7.365010805	1.241122003	0.329752874	3.938561919
4221	7.033272967	8.02170171	6.296681881	1.27395696	0.302391105	4.299436496
4222	4.815823141	6.51479287	2.589669036	2.51568551	0.58778059	12.20519468
4232	7.153582453	8.113413428	5.877785209	1.380352146	0.451140326	6.306495082
4233	5.982122236	7.50820829	4.993402368	1.503625732	0.529451388	8.850561174
4236	8.236314845	8.703372881	7.602580865	1.144791885	0.218129077	2.648381964
4237	6.042149556	8.012654541	2.658128506	3.01439698	0.629101489	10.41188212
4238	6.184823102	7.255289306	4.742378813	1.529883966	0.398773825	6.447618931
4239	6.62928625	8.569314782	2.661567203	3.219649977	0.905827059	13.66402091
4241	4.890937258	5.815798763	4.220629456	1.377945831	0.230278204	4.70826331
4242	5.485776042	6.776565484	4.200537564	1.613261489	0.418790667	7.634118927
4245	8.099819791	8.689674499	6.882269812	1.262617528	0.281784649	3.478900226
4246	6.446338542	10.11966533	4.362183556	2.319862335	1.09552963	16.99460279
4247	6.108071492	6.726232199	5.36781449	1.253067186	0.300706143	4.923094685
4248	4.769289536	5.655555312	3.878986023	1.457998373	0.265026453	5.556937792
4250	3.284375685	6.530898155	-0.523007734	-12.4871923	0.763100223	23.23425503
4254	4.52258392	5.451776933	3.044080076	1.790943995	0.38882653	8.597442019
4255	7.235504293	8.039274142	6.536009201	1.229997372	0.318821431	4.406347062
4256	8.209359079	9.470807627	6.699906488	1.413573106	0.563255015	6.86113264
4258	8.347425212	8.987602199	7.617097021	1.179924868	0.254779265	3.052189853
4259	8.073819491	8.945131172	7.426150985	1.204544749	0.221189405	2.73958819
4261	4.654661437	5.679864912	3.434322061	1.653853311	0.451421262	9.69826202
4267	8.87965308	9.977380356	7.182423233	1.389138461	0.364780345	4.108047264
4277	5.433935059	8.504812043	3.235071911	2.628940647	1.024206506	18.84833908
4281	6.592454847	7.731368931	5.367467408	1.440412832	0.350744164	5.320387811
4283	6.631673779	11.62573455	2.986616541	3.89261038	2.129853253	32.11637551
4285	6.599958708	7.245353091	5.788372071	1.251708253	0.288961416	4.37823067
4286	6.334146627	7.470709662	5.17887019	1.442536574	0.320144248	5.054260134
4287	5.422862103	6.252366706	4.66056025	1.341548305	0.241739054	4.457776153
4288	4.425858601	6.612786512	2.134797152	3.0976182	0.804897792	18.18625184
4289	6.393261738	7.159766396	5.764116873	1.242127208	0.266201779	4.163786662
4292	8.306771017	8.892076082	7.354679678	1.209036487	0.20392624	2.454939953
4294	5.496023569	7.114764298	4.597658364	1.547475635	0.282184886	5.134346358

4295	4.580300471	6.412435195	2.386244277	2.687250109	0.464468678	10.14057225
4296	5.900134811	6.998325572	4.659881616	1.501824756	0.333177137	5.646941088
4297	6.038520298	6.98953081	4.870836611	1.43497542	0.273229873	4.524781884
4299	7.051312258	7.998603705	6.369403407	1.255785384	0.305815675	4.337003716
4300	6.504428391	7.518933378	5.463082409	1.376317034	0.422087949	6.489239693
4301	5.081166895	6.007787733	3.921275805	1.532100273	0.33663094	6.625071497
4303	6.273105363	7.523345131	5.17962449	1.452488524	0.324099091	5.166485684
4306	7.901946892	9.506137437	5.872481288	1.618759936	0.687550056	8.701020965
4308	3.618188135	5.26113759	1.717697573	3.062900985	0.41600855	11.49770367
4311	4.628930237	6.667395067	0.689193617	9.674197349	0.829158339	17.91252615
4312	3.810323053	6.075820069	0.904750156	6.715467281	0.83668727	21.95843393
4313	5.930598259	7.433723429	4.42239882	1.680925609	0.418231584	7.052097707
4316	3.992417265	7.217121934	2.033048413	3.549901659	0.785958005	19.68626905
4318	6.707043039	10.47271453	3.636930323	2.87954775	1.525743335	22.7483755
4319	3.875808448	5.030851557	-0.116938092	-43.02149501	0.672465503	17.35032864
4320	4.990381502	6.568402023	3.350743843	1.960281755	0.402189044	8.059284525
4321	4.217599498	7.762277659	-0.582749142	-13.32010139	1.140641493	27.04480342
4322	3.701461715	5.952191464	-0.769923425	-7.730887605	1.014031072	27.39542239
4323	5.9196663	6.6767817	4.040121869	1.652618885	0.501381188	8.469754253
4324	6.184081275	8.76055679	5.265627502	1.663725128	0.505850341	8.17987861
4325	4.395588236	5.797730124	1.970607662	2.942102701	0.45583299	10.37023864
4326	4.46578512	6.519687538	2.434998564	2.677491328	0.501321017	11.22582041
4329	7.117865401	8.006125646	6.21388289	1.288425577	0.38312534	5.3825876
4330	5.45473816	6.713476957	3.831322245	1.752261107	0.520000421	9.533004266
4331	6.592103877	7.308378439	4.204222473	1.738342461	0.364989652	5.536770343
4332	5.987852098	8.60285869	3.511751069	2.449734768	1.096474818	18.31165499
4335	6.492324933	7.684265089	5.330475476	1.441572168	0.253155423	3.899303039
4336	3.978339985	5.389941909	2.626886685	2.051836472	0.306193154	7.696505454
4337	5.752539136	6.547957795	4.692610888	1.395376253	0.282329601	4.907912735
4340	3.90160517	5.726943197	2.537362155	2.257046037	0.378640263	9.704730395
4345	7.376051257	8.741425598	5.722212913	1.52763026	0.491125896	6.658385071
4350	6.958081262	7.787112548	6.426375997	1.211742443	0.260634443	3.745780388
4351	5.964340289	6.797336117	5.431169972	1.251541777	0.206863985	3.468346448
4353	4.270029113	5.050741772	2.666374062	1.894236013	0.315580665	7.390597505
4354	7.30939623	8.271022932	5.766986243	1.434201953	0.360598584	4.933356633
4355	5.443672521	6.574995954	4.631758	1.419546521	0.293442681	5.390527801
4356	4.773068002	5.969440452	2.553937044	2.337348317	0.439631482	9.210668734
4358	7.958992117	8.528484778	7.145289483	1.193581422	0.219140874	2.753374681
4359	4.870721918	6.408587323	3.020106374	2.12197404	0.366360123	7.521680128
4361	5.057774076	6.089530364	3.893855162	1.563882094	0.316310055	6.253937996
4363	6.993561483	7.76755794	5.820322384	1.334558024	0.342499309	4.897351796
4430	6.311680878	7.08014382	4.626441995	1.530364766	0.359035338	5.688426664
4435	5.791460792	10.1498343	3.793476524	2.675602243	1.172410276	20.24377473
4436	6.995566924	7.715426958	5.914147838	1.304571203	0.283253631	4.049044693
4437	6.276956245	7.087375909	5.257836253	1.347964366	0.272937345	4.348243556
4477	3.355136256	5.417637382	1.385279027	3.910863643	0.413782154	12.33279731
4478	7.842564305	9.045769955	6.923430725	1.306544445	0.281599026	3.590649877

4486	4.876260847	6.124175452	3.201725956	1.912773153	0.453113759	9.292237906
4487	5.7208685	6.788948732	4.737651912	1.432977529	0.379492413	6.633475543
4488	3.912291661	5.069468334	2.543198975	1.993343181	0.289833791	7.408286917
4493	10.77810958	12.11710483	9.138135705	1.325993093	0.556946837	5.167388891
4496	10.84627585	14.09467764	8.77471276	1.60628365	0.828612531	7.639604072
4501	11.2386968	12.54771049	9.322742709	1.345924786	0.611351198	5.439698297
4502	11.49415044	12.48776121	9.879800366	1.263968982	0.523800421	4.557104277
4504	5.824803597	7.077815711	4.283646176	1.652287659	0.399763352	6.863121561
4520	6.657033258	7.341572811	5.484163755	1.338685922	0.247347519	3.715581837
4521	5.562695699	7.341035483	1.864825291	3.936580825	0.674878003	12.13221143
4522	6.759638824	7.606717241	5.97882207	1.272276905	0.251019449	3.713503866
4528	7.660795883	8.641754331	6.831687565	1.264951631	0.28999843	3.785486969
4534	6.15988061	6.938554239	4.799337262	1.445731746	0.35215198	5.716863731
4542	5.790502996	8.269406488	3.751808073	2.204112345	0.786719222	13.58637104
4547	3.591244399	5.936837198	1.774306861	3.34600363	0.508387541	14.15630585
4548	7.688238514	8.578841644	6.925724144	1.238692369	0.291346406	3.7895079
4580	7.909546632	9.050197949	7.291031932	1.241278057	0.255387557	3.228852028
4582	5.984000157	7.9355067	4.676826929	1.696771512	0.60133733	10.04908613
4583	4.492418208	6.896265615	3.51021499	1.964627704	0.463941919	10.32722017
4585	4.236048568	5.594271556	2.998865207	1.865462823	0.272544898	6.433941754
4589	3.709817982	8.808908812	2.362768654	3.728214694	0.828686152	22.33764988
4591	6.584719941	7.475250338	4.327674862	1.727313298	0.330045979	5.012300937
4594	7.878691003	8.679765689	6.756117591	1.284726853	0.317694664	4.032328012
4595	6.760742164	7.582983149	6.056465901	1.252047526	0.238331373	3.525224999
4597	5.369798064	8.79063559	3.242038483	2.711453191	0.562635563	10.4777788
4598	6.125759139	7.234440765	5.244928488	1.379321145	0.251289763	4.102181586
4599	8.287187507	9.530422138	7.388252234	1.289942714	0.432422802	5.217968116
4600	6.036873052	7.724468564	0.524449403	14.72872028	0.796744649	13.19796925
4602	4.065336703	5.970918627	0.165701029	36.0342882	0.682692835	16.79302071
4603	4.638173405	6.39434438	3.089831196	2.069480167	0.540868259	11.6612341
4605	4.797165827	7.088521722	0.966247241	7.336136574	0.801859825	16.71528261
4607	5.540278558	7.488081905	3.648158786	2.052564689	0.498525598	8.998204557
4608	4.510136469	7.071094085	1.467311807	4.81908075	0.653143902	14.48168823
4609	6.913793382	9.855074279	4.464317663	2.20752084	0.978487127	14.15268107
4610	5.371256758	6.270493559	4.211449905	1.488915623	0.320072626	5.958989503
4613	4.463301712	6.524078413	3.489141344	1.869823481	0.388544996	8.705326709
4615	7.524550126	8.826910844	6.411793397	1.376668008	0.461266255	6.13015061
4616	7.702964879	9.391200826	6.139656148	1.529597196	0.646344539	8.390854025
4617	3.594042551	6.463578572	1.25139516	5.165097946	0.614084213	17.08616979
4618	3.907406713	4.775955055	2.997121371	1.593514064	0.314040361	8.03705332
4627	8.186631586	9.367564933	6.601438328	1.419018776	0.471396801	5.758128919
4628	7.179502509	8.435084892	5.912175936	1.426731035	0.458364513	6.384349227
4629	5.80959251	7.957958512	3.99958569	1.989695716	0.620058363	10.67300954
4632	4.029439221	8.368078695	1.059828677	7.895690009	0.829351144	20.58229689
4633	4.299563916	8.805309404	2.03447955	4.328040261	0.838424552	19.50022302
4634	4.949159563	6.821220557	2.94198853	2.31857483	0.465277403	9.401139665
4635	6.333416295	8.005371282	5.451941835	1.468352291	0.483164239	7.628809112

4637	9.432986848	10.6892213	8.910123501	1.199671509	0.254939614	2.702639344
4638	5.908901854	6.71267584	4.856466139	1.382214073	0.31905237	5.399520558
4641	7.615201734	8.419762274	6.715229325	1.253830937	0.273726623	3.59447632
4642	6.065510381	7.810703896	5.406002049	1.444820743	0.358118024	5.904169658
4643	5.668698412	7.974408354	4.732318235	1.685095541	0.487581543	8.601296238
4644	5.489675241	6.163710387	4.46016616	1.381946359	0.283582102	5.165735491
4646	6.801546626	7.579980099	5.731991361	1.322399079	0.37593318	5.527171992
4647	4.704042915	5.472639846	3.396531668	1.61124358	0.293856507	6.246892561
4650	5.788981261	6.65101159	4.305944057	1.544611705	0.402179429	6.947326496
4651	6.428337807	7.34848278	5.23152315	1.404654547	0.389949218	6.066097176
4653	6.043435154	9.327440624	3.300717595	2.825882662	1.144168587	18.93242101
4654	4.65409296	6.005640946	2.859105215	2.100531633	0.377183932	8.104348901
4656	4.633381821	7.525935065	3.015444166	2.495796523	0.449255785	9.696066547
4659	7.589690645	8.738300775	6.569766211	1.330077889	0.293805107	3.871107805
4660	5.037986754	5.931485402	3.700326225	1.602962831	0.322358833	6.398564529
4661	4.665020322	5.875484024	2.790798937	2.105305383	0.390672169	8.374500911
4664	6.333502674	7.649347259	5.54231676	1.380171432	0.346724276	5.47444746
4665	5.842018098	8.277241622	4.857515053	1.704007405	0.581030936	9.945722972
4666	9.994452457	10.51328308	9.4190925	1.116167304	0.20421963	2.043329845
4668	6.748720568	7.57506701	5.870839444	1.290286863	0.294747462	4.367456894
4669	6.264363631	7.907886436	5.424353043	1.457848775	0.319456555	5.099585113
4670	6.770689278	7.307241396	6.119397155	1.194111317	0.187043261	2.762543856
4673	8.738003825	9.279383921	7.89689632	1.175067209	0.229416862	2.625506536
4675	7.017725289	8.399237385	5.355347063	1.568383391	0.545989506	7.780149311
4676	6.424219535	7.08386226	5.396199899	1.312750156	0.213123547	3.317500989
4677	9.774315892	10.30420336	9.275018947	1.110963052	0.221534102	2.266492151
4678	6.121288828	7.017711593	4.265487887	1.645230693	0.326680212	5.336788072
4680	4.136916194	6.709376302	1.720342622	3.900023296	0.764988788	18.4917642
4682	7.662935542	8.24006477	6.828231059	1.206764197	0.231086629	3.015641036
4683	6.822851616	7.615265124	6.194318942	1.229395063	0.246899673	3.618716735
4684	5.881643526	7.119842918	4.81212301	1.479563781	0.374185653	6.361923354
4686	5.771234247	6.665917687	3.505363681	1.901633695	0.373364339	6.469401924
4689	5.156913549	7.701724781	3.259043407	2.363185702	0.857165836	16.62168325
4691	7.65167005	8.055913647	6.701178368	1.20216374	0.190166468	2.485293628
4692	7.915009276	9.807790476	6.924683148	1.416352238	0.386592942	4.884301813
4693	4.006070567	5.310222382	2.814131759	1.886984277	0.371921562	9.283949345
4694	10.11330073	11.17854153	9.185016393	1.217040999	0.30855434	3.050975619
4695	7.180370314	8.158659109	6.019695657	1.355327507	0.288629025	4.01969553
4698	7.461249454	8.426852995	6.710111721	1.255843918	0.36137013	4.843292433
4700	8.724214911	9.532495476	7.97585972	1.195168397	0.345606337	3.961460603
4701	7.067222815	7.989569848	5.677072519	1.407339755	0.296896213	4.201030886
4703	5.34541769	7.360177268	3.312230927	2.222120809	0.743030612	13.90032837
4704	8.239434917	9.17231523	7.222405538	1.269980643	0.290207843	3.522181384
4706	9.672972781	10.3689974	9.08554006	1.141263737	0.279159743	2.885976722
4707	7.832455788	9.003221671	6.74642977	1.334516474	0.290122207	3.704102709
4709	8.971138366	10.1476162	7.901442405	1.284273893	0.380631024	4.242839741
4711	9.523651982	10.34067625	8.960948146	1.153971218	0.269109891	2.825700595

4712	6.807951663	8.717943779	5.829966721	1.495367675	0.290241219	4.263267911
4713	7.386195405	8.487255984	6.189392695	1.37125828	0.306337402	4.147431602
4719	6.34109385	7.11522194	4.425068604	1.607934831	0.340433688	5.368690255
4720	8.569704328	9.202730025	7.988251677	1.15203306	0.221503337	2.584725547
4723	7.480609837	8.326513446	6.644406994	1.253161261	0.258522034	3.455895167
4724	6.647700644	7.931186284	4.626162466	1.714420179	0.337699767	5.079948462
4726	8.73794731	9.587483556	8.080225134	1.186536686	0.249642518	2.856992712
4729	8.727264064	9.701926022	8.030085211	1.208197144	0.287070706	3.289355103
4733	8.759622911	9.291953948	8.1780583	1.136205393	0.220824318	2.520934068
4734	6.124052965	7.248673337	5.304795234	1.366437915	0.286745143	4.682277323
4735	7.991930005	8.628674537	7.225942193	1.19412449	0.278991712	3.49091786
4736	11.33407532	12.00479677	10.86054984	1.105358103	0.194816936	1.718860428
4739	6.189161239	7.089455671	4.960913647	1.429062502	0.345057348	5.575187569
4741	3.816560161	6.939430042	1.656739085	4.188607672	0.509688135	13.35464695
4744	4.367563459	5.32041319	2.244672702	2.370240074	0.345537261	7.911442246
4745	3.945245539	5.415690348	2.072812295	2.61272589	0.432262496	10.9565423
4747	3.997834332	6.359831217	1.78313253	3.566662101	0.480280495	12.0135167
4750	5.741455386	6.462007399	4.482509376	1.441604882	0.366167978	6.37761602
4751	3.766403543	6.997659322	1.23237404	5.678194359	0.68320076	18.13934042
4752	5.164103374	5.825887835	4.022354797	1.448377413	0.277234425	5.368490996
4753	7.138804501	9.501235951	3.940572275	2.411130995	1.060691595	14.85811237
4756	6.149729506	7.459800382	5.264732935	1.416938043	0.300718948	4.889954063
4758	8.151813336	8.853695591	7.154946209	1.237423082	0.306513742	3.760068217
4761	4.485001448	5.604130471	3.113866598	1.799733641	0.347236544	7.742172403
4763	4.865967407	6.409949437	1.98840972	3.223656258	0.548246615	11.26696027
4771	5.133380899	5.973958557	3.978766191	1.501460068	0.281292256	5.47966849
4772	5.346297639	6.282352606	3.989065719	1.574893233	0.334845515	6.263128941
4775	6.615126632	7.110911259	6.03665148	1.177956237	0.237550451	3.591018957
4776	5.380359319	5.984499624	4.995653381	1.197941324	0.181949784	3.38174039
4778	4.655086449	6.495504374	2.875698275	2.258757266	0.456209096	9.800228221
4779	9.0177373	9.43312414	8.13276012	1.159892091	0.246679294	2.73548991
4780	7.554211888	8.602155387	5.788520916	1.486071401	0.315455826	4.17589327
4782	7.364315531	8.798410308	6.066878634	1.450236743	0.509501995	6.918524784
4783	7.590264621	10.02768985	5.970534058	1.679529797	0.63908727	8.419828575
4784	6.474217405	7.475544328	5.638807877	1.325731341	0.314526365	4.858137212
4790	7.606167732	8.500189398	6.751799616	1.258951669	0.268300913	3.527412516
4791	4.808884908	5.751920163	4.196606553	1.370612205	0.277370618	5.767878079
4792	7.835787569	8.808486821	6.017341151	1.463850329	0.403058448	5.143815403
4793	5.791744258	7.041880729	4.800311286	1.466963351	0.267702929	4.622146926
4794	6.100773361	7.66231962	4.349931576	1.761480494	0.552156567	9.050599566
4795	5.855594789	7.518643684	4.552424401	1.651569147	0.406382551	6.940072969
4798	5.976571777	6.6800033	5.42774371	1.230714576	0.20404397	3.414063743
4799	6.41067089	7.04710069	5.888821391	1.196691192	0.237920332	3.71131721
4800	5.706830062	6.76895175	4.718361698	1.434597893	0.295068769	5.170449553
4801	6.512674015	7.38706438	5.933295079	1.245018878	0.297702531	4.571125928
4802	6.599341382	7.162046369	5.979461289	1.197774519	0.194007721	2.939804293
4803	4.701912114	5.884681558	3.352923002	1.755089978	0.400579769	8.519507785

4804	4.592533743	7.593006834	2.113219333	3.593099265	0.71586044	15.58748352
4807	4.728686861	7.711847055	3.606639806	2.138235995	0.476482071	10.07641412
4808	3.495697727	4.279155617	0.918831912	4.657169129	0.365869531	10.46628054
4809	7.964991037	8.422363297	7.259857185	1.160127959	0.217244101	2.727487076
4811	6.066479381	7.229096387	3.955046329	1.827815855	0.424556778	6.998404704
4814	8.063538035	9.065365758	7.08327911	1.279826139	0.342114666	4.24273643
4817	6.450354247	7.118752715	5.810210848	1.225214179	0.235866821	3.656649104
4818	5.749553428	9.278260518	2.160412872	4.294670079	1.10829518	19.27619586
4820	6.093805423	7.087667437	4.91041183	1.443395724	0.3145555	5.161889464
4821	3.731813779	5.800524895	1.486333544	3.902572822	0.5430729	14.55251876
4824	4.626809753	5.280359952	3.937207755	1.341143338	0.214619998	4.638617304
4826	4.872687207	6.985799622	2.052497339	3.403560867	0.498431711	10.2290931
4828	7.930577326	9.854076431	6.213448404	1.585927136	0.690619395	8.708311721
4832	7.779598708	9.134300686	5.512291065	1.657078804	0.4107898	5.280346908
4833	8.104745784	8.971768963	6.855015486	1.308789015	0.329198621	4.061800698
4836	6.963018006	7.49948622	5.943598978	1.261775272	0.241750629	3.471923082
4839	6.821204967	8.275491707	5.622164618	1.471940484	0.381604062	5.594379048
4841	8.982200316	9.753725376	8.178649113	1.192583915	0.305077821	3.396470914
4846	4.490344445	5.868477438	3.529328469	1.662774517	0.350468874	7.804944115
4848	6.833304392	7.673044064	6.118058447	1.25416325	0.200649043	2.936339893
4850	5.905195419	6.604317456	5.014342838	1.317085343	0.283751253	4.805111987
4852	4.574901297	6.282108572	2.90051649	2.165858596	0.436097945	9.532401166
4853	7.492444322	8.36029496	6.521583768	1.281942433	0.305346445	4.075391581
4854	6.485968837	7.310140594	5.793080254	1.261874559	0.322812991	4.977097479
4856	7.069451628	8.467480371	5.631176553	1.503678723	0.681742628	9.643500859
4857	4.448296307	5.592303481	3.479435066	1.607244675	0.364443939	8.192888105
4858	4.924177432	6.751908421	3.691868803	1.828859253	0.292006222	5.930050782
4860	6.82660788	9.385683868	5.104383556	1.838749726	0.612314498	8.969527891
4862	4.67889334	5.48684894	3.672151743	1.494178161	0.27361723	5.847904833
4863	6.211885945	7.194940375	4.194336062	1.715394348	0.398573301	6.416301018
4864	5.06423173	6.011054593	4.090520064	1.469508644	0.297818496	5.880822827
4867	4.96457672	5.792464907	3.427630698	1.689932615	0.316878013	6.382780063
4869	9.919838812	10.90583936	9.439415139	1.155351174	0.22452071	2.26335039
4879	4.398886956	6.609955132	2.30206016	2.87132163	0.508958593	11.5701676
4881	5.688155365	7.198727382	3.968425034	1.814001101	0.343051089	6.030972562
4882	5.620578225	6.609727455	5.165947416	1.279480204	0.225047138	4.003985517
4883	6.114101533	8.123397028	4.025120257	2.018174988	0.747260143	12.22191256
4884	4.606439556	6.642765897	2.089691175	3.178826603	0.442038404	9.596096922
4885	3.930096503	5.627136268	1.746365837	3.222197863	0.526581603	13.39869396
4886	6.598849266	8.617018431	4.520128047	1.906366002	0.691811105	10.48381433
4891	6.98665195	7.76711984	6.338023828	1.225479747	0.253445105	3.627554741
4893	7.075590036	8.116881484	6.290733957	1.290291648	0.35074298	4.957084539
4897	5.156454741	6.880976765	3.070686077	2.240859727	0.677225277	13.13354447
4898	7.292494205	8.092242127	6.569330998	1.231821342	0.341536534	4.683398088
4899	5.476072931	6.295345992	4.739816482	1.328183489	0.1946257	3.55411081
4900	5.573226501	6.502430733	3.29019874	1.976303332	0.410716651	7.369459162
4901	4.901100425	6.639292952	4.027216498	1.648605918	0.404918277	8.261782913

4904	8.768434027	9.400698148	7.166346236	1.311783974	0.320831006	3.658931627
4907	6.379858441	7.544213945	5.200995841	1.450532586	0.525870625	8.242669165
4913	6.276908417	7.798271575	5.152516335	1.513487987	0.347019185	5.528504824
4915	7.358632806	9.421246762	6.135134994	1.535621754	0.639776216	8.694226665
4916	4.533241663	5.307785048	3.119114168	1.701696303	0.311190444	6.864633902
4920	6.028547562	7.224473793	2.860164576	2.525894437	0.734998479	12.19196616
4921	6.558787756	7.451889953	5.381391398	1.384751526	0.429243662	6.544557892
4923	4.324022586	6.127714866	1.742790736	3.516035941	0.471225002	10.89783858
4924	7.880947623	9.411303827	7.033555276	1.338057847	0.352099638	4.467732237
4925	7.924451997	8.829721922	6.939045804	1.27246918	0.357497424	4.511320461
4926	5.989237113	7.363090518	5.159067856	1.42721335	0.280002905	4.675101344
4927	6.509549305	7.609230963	5.642993334	1.348438765	0.289331259	4.444720299
4928	7.128508166	8.54080933	5.665781781	1.507437042	0.326163362	4.575478545
4929	7.080327707	11.17748655	4.81005065	2.323777309	1.223659584	17.28252752
4931	6.264812961	7.148091199	5.462633906	1.308542971	0.239596217	3.824475181
4935	5.140677623	7.532857598	3.607649785	2.088023518	0.529206896	10.29449685
4938	5.6216248	7.417771232	4.056784956	1.828485195	0.675413959	12.01456844
4939	5.437778241	6.89381161	3.493590781	1.97327393	0.585951131	10.77556136
4942	9.620431213	10.53914045	8.893461428	1.185043702	0.301124745	3.130054551
4946	10.88134266	11.53573316	10.19755114	1.131225821	0.206504908	1.897788853
4947	7.99714663	8.806453641	7.237470536	1.216786113	0.312099058	3.902630182
4948	6.698257963	8.75776165	5.114279299	1.712413644	0.7128355	10.64210283
4952	6.932243893	7.450016405	5.893920064	1.264017212	0.296457782	4.276505369
4953	8.894273992	11.02234064	7.880704626	1.398649126	0.53009701	5.959980664
4956	4.67598638	6.51329396	3.013277576	2.161531355	0.40325421	8.623938928
4957	5.34423885	6.233666671	3.601082765	1.73105343	0.311414953	5.82711517
4958	5.984797933	8.44281097	3.735114905	2.260388552	0.872514155	14.57884067
4967	6.233209728	6.8930933	5.533357779	1.245734249	0.293811158	4.713641465
4968	5.798064714	6.81415354	5.127506875	1.328940888	0.272725751	4.70373762
4973	4.409322863	8.151743625	1.999759715	4.076361556	0.916981802	20.79643135
4976	6.318018918	6.761580795	5.83750575	1.158299638	0.19843219	3.140734342
4978	3.759855227	5.920415419	1.350374678	4.384276094	0.658250682	17.50734118
4982	8.586211327	10.335467	7.260288983	1.42356138	0.631232522	7.351700278
4983	8.28936485	9.524830707	7.064626867	1.348242573	0.506898145	6.115042037
4986	3.909192537	6.191752728	1.513663936	4.090572933	0.497282726	12.72085529
4990	4.158787062	5.789750886	1.071961867	5.401079145	0.528777343	12.71470107
4998	4.389672692	5.910843521	1.503160763	3.932276352	0.564098552	12.85058345
5000	6.77810394	7.523505892	5.974060956	1.25936209	0.326728598	4.820353912
5001	5.413463802	6.072576266	4.244036453	1.430849224	0.28881284	5.335083977
5002	7.214273151	8.541054155	6.180809275	1.381866642	0.432436627	5.994181507
5003	4.90189851	5.845250417	3.580775403	1.632397947	0.333358825	6.800606431
5007	6.83494192	7.440035006	6.232240532	1.193797795	0.205356889	3.0045155
5008	4.728314859	5.933540714	3.508892425	1.691001033	0.386026509	8.164145594
5009	3.940368723	6.232095993	2.568821095	2.426052949	0.545908657	13.85425314
5016	4.980127922	6.619605214	2.48949366	2.659016699	0.419160939	8.416670125
5017	5.195109844	6.833330746	3.585769934	1.905680195	0.431328883	8.302594088
5018	8.561544227	9.067615603	7.925598722	1.144092191	0.20896329	2.440719628

5019	7.96837319	9.46312761	5.636690487	1.67884464	0.386758092	4.853664386
5020	4.907391148	6.603285502	3.642512799	1.812837968	0.490855324	10.00236805
5025	6.592465066	7.835453956	6.068148013	1.291243051	0.250322833	3.797105195
5027	4.770769187	7.032763255	2.830996407	2.4842007	0.746286713	15.64290126
5028	4.324907429	5.666115091	2.521678757	2.246961503	0.36526517	8.445618216
5029	5.709235947	7.366681198	4.398924357	1.67465512	0.546326802	9.56917541
5031	5.215676673	6.717444643	2.689513226	2.497643283	0.560184064	10.74039092
5033	5.966440415	6.966106345	4.226143391	1.648336486	0.358643525	6.011013274
5036	7.656128696	8.151334874	6.9984464	1.164734915	0.221383119	2.891580426
5037	10.98991091	12.48330356	9.77524112	1.277032802	0.421506916	3.835398842
5045	7.235780746	8.164176454	6.227189271	1.311053205	0.3167426	4.377448832
5047	4.155398622	5.534338057	1.76779024	3.130653136	0.503957292	12.12777251
5048	7.851786567	8.535315361	7.036018378	1.213088838	0.250987899	3.196570573
5050	6.62734565	7.254550807	5.015046304	1.446557094	0.297508158	4.489099768
5051	6.333581832	7.502662837	5.483818533	1.368145717	0.339424985	5.35913159
5052	11.05419495	11.89003718	10.07199904	1.180504201	0.339685389	3.072909338
5054	5.750163417	8.199435455	2.327473284	3.522891331	1.04800893	18.22572428
5055	3.915174214	5.506978946	0.284816392	19.3351896	0.602650445	15.39268527
5058	6.8861212	7.524540799	6.295651525	1.195196521	0.222097215	3.225287632
5063	6.035787962	7.513681162	3.980150048	1.887788418	0.668803714	11.08063633
5064	5.967552365	7.107707929	4.269481883	1.664770603	0.430149298	7.208136136
5066	9.150582376	10.12004928	8.468224769	1.195061486	0.279943319	3.059295107
5069	4.665788944	5.511764515	3.685408165	1.4955642	0.308047135	6.602251816
5071	4.199090166	5.410310448	2.951385172	1.83314279	0.350704646	8.35191987
5074	6.415243214	7.291966006	5.684953544	1.282678205	0.292614158	4.5612325
5075	4.531722914	5.660160427	3.037371777	1.863505966	0.328873607	7.257142877
5076	4.345323437	5.636642845	2.931826289	1.922570537	0.317794061	7.3134731
5077	4.039571349	5.573536154	3.063167761	1.819533434	0.278759388	6.900717039
5082	6.557401815	7.246260515	5.287336207	1.370493616	0.264656322	4.035993665
5083	4.186369073	6.225579437	1.559268338	3.992628647	0.556462864	13.29225528
5087	8.301040112	10.22903225	6.549453293	1.561814672	0.582250874	7.014191788
5089	6.542687753	7.188304772	5.952387337	1.207633906	0.226496308	3.461823588
5090	8.248032868	9.756043317	7.281804967	1.339783661	0.524660542	6.361038454
5092	7.9663796	8.681416407	7.057923096	1.230024228	0.344543	4.324963379
5093	9.399639995	10.04649616	8.685706905	1.156669948	0.263558122	2.803917194
5094	7.878426255	8.598417968	7.450159044	1.154125424	0.205493841	2.608310775
5095	5.728260116	6.917889698	4.290716152	1.612292553	0.335066302	5.849355564
5096	6.540878003	8.026268181	5.80608333	1.382389422	0.318851026	4.874743513
5097	5.304878405	6.630081973	4.089140521	1.621387658	0.320296675	6.037775994
5100	4.628112611	7.109901707	2.953781746	2.407050459	0.917617738	19.82703998
5101	5.021316079	6.493857014	3.649821549	1.779225896	0.527080414	10.4968579
5104	4.740444809	6.746764059	2.494542914	2.704609338	0.608113158	12.82818769
5105	3.669545725	6.405606511	0.299247166	21.40573827	0.833782973	22.7216946
5106	7.105018381	7.905258418	6.453590002	1.224939672	0.249210297	3.507525016
5108	7.156447712	7.927453733	6.637600203	1.194325282	0.252588393	3.529521955
5110	8.748931896	9.385662838	8.114984813	1.156584153	0.24100634	2.754694429
5111	7.736210059	9.607570835	6.906917051	1.391007126	0.387836733	5.013265284

5116	6.189300965	6.995393699	4.349819509	1.608203211	0.289067284	4.670435091
5118	7.229674185	8.492967347	5.050568723	1.681586334	0.581550615	8.04393947
5119	7.625565491	8.477912297	5.267497212	1.609476371	0.32485566	4.260086158
5121	9.527208424	12.06547142	7.920752029	1.523273469	0.784493603	8.234244157
5122	3.881522771	7.887446907	0.364358952	21.64746293	1.045648682	26.93913558
5125	5.477937818	6.806875415	4.339041153	1.568751062	0.482871844	8.814847113
5126	5.744686033	10.66788074	3.005787475	3.549113445	1.560032964	27.15610488
5127	6.500909487	7.27529228	5.889816014	1.23523252	0.247028087	3.799900416
5128	6.098332067	7.314185201	5.243288367	1.394961461	0.326466042	5.353366116
5129	5.503679983	8.080163143	4.633192505	1.74397311	0.493724953	8.97081507
5130	5.726640231	12.29405187	2.847264749	4.317846407	0.703021794	12.27633945
5133	4.845149054	6.901513712	2.319905983	2.97491095	0.495585917	10.22849682
5134	6.085856624	6.858688972	5.55182302	1.235394022	0.184857114	3.037487172
5136	7.143916313	9.039357482	5.561894585	1.625229918	0.639958096	8.958084998
5138	6.35211724	7.331074018	5.150553971	1.423356412	0.395025747	6.218804408
5140	4.247067134	5.351909827	2.680765747	1.996410851	0.376980129	8.87624605
5141	5.331609166	7.493817335	4.301090858	1.742306215	0.343693556	6.446338162
5142	5.908523418	7.025976786	3.914651977	1.794789633	0.586692632	9.929598145
5144	5.512297069	7.672294025	4.051468046	1.893707154	0.596467376	10.8206682
5145	4.016878983	5.920911413	1.462714477	4.04789281	0.466541318	11.61452262
5147	6.367257914	7.011628069	5.109549546	1.372259532	0.285966068	4.491196557
5148	5.15698257	7.163419024	3.246160114	2.206736197	0.489484506	9.491684328
5149	3.529312126	4.769117539	1.883064885	2.532635799	0.329795696	9.344475179
5151	6.41680471	7.313184716	5.623454998	1.300478926	0.257571611	4.014016677
5152	5.025200708	6.749385726	4.192436057	1.609895925	0.350211279	6.969100332
5153	5.03446409	7.395778468	3.611165391	2.048030945	0.429405636	8.52932165
5156	5.420105545	7.265200878	3.169768083	2.292029161	0.493515372	9.105272354
5157	8.69964086	9.922303191	7.339487938	1.351906737	0.507878051	5.837919738
5158	5.517291673	6.650670631	4.864080888	1.367302638	0.316742648	5.740908155
5159	7.546413932	9.378989977	5.686512444	1.649339568	0.547499135	7.255090162
5160	7.810114278	8.357922979	7.152478292	1.168535246	0.24392992	3.123256727
5161	4.387738508	6.223234945	1.273738976	4.88580083	0.568063635	12.94661552
5163	5.210468427	7.004933848	4.126500922	1.697548112	0.478669912	9.186696326
5164	6.219415012	6.985775897	4.987570628	1.400636987	0.402008459	6.463766413
5165	5.447959325	6.465490861	4.386943832	1.473802973	0.397249574	7.291713292
5166	6.841402366	9.538962878	4.207187341	2.267301669	0.987464815	14.43366086
5167	7.24428281	8.379532722	5.50474189	1.522238988	0.53097567	7.329582298
5168	7.356284282	9.710251338	4.477514909	2.168669794	0.86662499	11.7807436
5172	10.4400239	11.81791648	8.726018038	1.354330971	0.610614013	5.848779837
5173	4.226995126	7.408864618	2.336462948	3.170974582	0.577005686	13.6504933
5175	7.563000903	8.23588171	6.657156479	1.237147082	0.307081289	4.060310096
5179	4.458089842	6.935471342	3.07159578	2.257937515	0.400935326	8.993433067
5184	7.83802603	8.406043526	7.110216935	1.182248531	0.240974466	3.074427994
5188	5.503459193	6.727707799	4.198511528	1.602403079	0.334385506	6.075915065
5189	6.426837509	7.055964223	5.361773647	1.315975774	0.307965696	4.79186996
5190	6.001259672	7.45325392	4.213100495	1.769066256	0.523014457	8.715077928
5191	7.198364221	8.169523285	6.212084686	1.315101725	0.376392669	5.228863912

5193	6.872024418	7.672991783	6.137471402	1.250187786	0.308544169	4.489858456
5194	6.138747809	7.429815222	5.271603434	1.40940329	0.375213222	6.112211051
5195	5.733557495	6.386713203	4.7248778	1.351720293	0.228748475	3.989642988
5196	4.715145832	6.703228498	2.04222223	3.282320797	0.491667897	10.42741655
5198	6.648821253	7.309247651	5.18653837	1.409272838	0.327173583	4.920775731
5199	4.660231569	6.859271957	2.207933421	3.106648005	0.731960059	15.70651691
5201	8.103610846	8.843793772	7.434497929	1.18956167	0.21796032	2.68966914
5204	10.83172085	11.52122957	9.524534482	1.209637027	0.294902304	2.722580355
5205	7.867769068	8.695858032	6.909098231	1.258609697	0.369754643	4.699612298
5210	5.171883047	6.234918153	4.251650548	1.466470041	0.280819124	5.42972688
5211	6.960450265	7.71300351	5.950063203	1.296289341	0.25669917	3.687967879
5213	8.284203803	9.071708556	7.403126691	1.225388803	0.30364369	3.66533341
5214	7.221953342	8.16999749	6.053914233	1.349539682	0.305872517	4.235315606
5216	9.322722205	10.64927454	7.903521753	1.347408772	0.49199046	5.27732618
5218	6.489567957	7.887812028	5.184135935	1.521528781	0.345650224	5.326244001
5225	4.513885462	6.14520801	2.57328056	2.388083175	0.395290308	8.757207316
5226	6.52334194	12.10311481	5.662608128	2.137374605	0.579591827	8.884891094
5228	8.193225733	9.276361865	7.224785586	1.283963621	0.444631714	5.426821232
5229	6.311579204	7.118603743	5.008885916	1.421195025	0.302284275	4.789360394
5230	8.050637699	8.820032161	7.284162178	1.210850602	0.303899972	3.774855896
5236	8.30496786	9.094551081	7.637465493	1.190781299	0.275927395	3.322437844
5239	5.178233441	6.814615872	3.625228847	1.879775363	0.482042441	9.309013331
5241	4.017179219	5.699736132	2.605924167	2.187222562	0.335805189	8.359228458
5243	4.905819658	5.961713706	2.786939245	2.139161705	0.446340485	9.098183719
5244	4.309986878	6.429248405	1.939010212	3.315737259	0.56914988	13.20537386
5245	8.291698947	8.800501025	7.558883909	1.164259318	0.233789974	2.819566604
5250	9.590246427	10.17995883	8.84415046	1.15103863	0.24593473	2.56442555
5252	7.800635923	8.460422179	7.242789022	1.168116613	0.243403522	3.120303576
5253	6.339173303	7.376471995	5.152328525	1.43167734	0.318845341	5.029762167
5255	6.027613875	7.360899846	4.984861243	1.476650901	0.391966705	6.502850271
5256	6.119527063	6.800876981	5.530230258	1.229763801	0.199071368	3.253051516
5257	7.175537057	7.813230506	6.541120836	1.194478852	0.245674604	3.423780013
5261	5.553508842	6.570680741	4.416299589	1.487824956	0.29942074	5.391559619
5264	9.129174046	9.979217302	7.738825374	1.289500256	0.512728444	5.61637276
5266	4.468696051	6.942427778	2.56257303	2.709162898	0.456097936	10.20651059
5267	4.46417118	7.668563422	2.325338804	3.297826282	0.504021102	11.29036234
5270	6.596763205	7.905554101	4.736512736	1.669066366	0.546787902	8.288730164
5271	5.367276722	6.48835261	4.132643427	1.570024785	0.360753499	6.721350836
5274	6.89131815	8.606225812	5.642097002	1.52535942	0.47023014	6.823515173
5276	3.572326798	6.060619001	1.413148421	4.288734936	0.522112305	14.61546869
5279	6.565301104	7.240599757	5.991217466	1.208535627	0.24516132	3.73419765
5281	7.569380356	8.475891805	7.02651885	1.206271838	0.302279615	3.993452572
5284	5.003603546	8.223325629	3.262014156	2.520934992	0.670581667	13.40197442
5287	7.272345166	8.282010518	5.869226314	1.411090674	0.364326613	5.009754139
5288	3.86544919	5.221405931	0.097908231	53.32959132	0.526788757	13.62813817
5289	5.968766033	7.262643988	4.811175578	1.50953626	0.239012973	4.00439507
5290	5.827569209	6.702019063	4.564089274	1.468424183	0.308171328	5.28816248

5291	7.207738096	7.996300793	6.209194348	1.287816155	0.369521742	5.126736537
5292	6.517797172	8.753061049	5.185965556	1.687836326	0.543679381	8.341459031
5293	5.61324949	7.426411518	3.869729457	1.919103545	0.613512984	10.92972947
5294	4.809206759	7.651252749	2.618157756	2.922380338	0.819169725	17.03336468
5295	7.017183863	7.92945333	5.82537905	1.361190965	0.388631792	5.538287154
5296	6.347575633	7.829072849	5.282497276	1.482077972	0.293506075	4.623908274
5298	7.591206626	8.273194128	7.093089728	1.166373815	0.201676104	2.656706823
5300	7.426009766	8.135058548	6.538143393	1.244245967	0.269820568	3.633452905
5303	6.879073241	7.644708439	5.822536511	1.312951568	0.293475216	4.266202813
5305	6.443324895	8.246719347	4.906830163	1.680661256	0.529320501	8.215021121
5306	7.953106233	8.313258106	7.102222708	1.170514985	0.209163944	2.629965423
5308	3.20344547	5.300708765	-0.186694973	-28.39234871	0.618191051	19.29769232
5311	7.27829096	8.164025249	5.695623329	1.433385738	0.388676154	5.340211819
5316	5.929769973	7.075763868	4.986045714	1.419113316	0.394923917	6.660020859
5317	4.556929676	6.77458151	2.69868385	2.510327954	0.401090726	8.801775637
5318	3.544978107	5.432814078	0.296632195	18.31498459	0.579255326	16.34016653
5319	3.816947895	5.548702141	0.923794893	6.006422189	0.494748895	12.96189805
5320	6.004110051	9.853782366	4.35775457	2.261206364	1.024093485	17.05654087
5321	5.016569835	6.913107295	3.575120081	1.933671356	0.556580076	11.09483361
5322	4.200911125	5.283372891	3.202275912	1.649880596	0.357657207	8.513800836
5325	6.137194285	7.190621907	4.638533601	1.550192911	0.521676024	8.500236428
5326	5.863022088	6.566801044	4.634878061	1.416822829	0.260557339	4.444079089
5327	7.476216391	9.356041306	5.550213204	1.685708452	0.706389622	9.448490849
5328	5.823706108	9.635094678	4.13145069	2.332133529	0.888868512	15.26293558
5329	5.596792359	7.845113145	2.655893084	2.953851265	0.791691863	14.14545711
5330	5.230016426	6.758898979	3.965831127	1.704283103	0.391949788	7.494236272
5332	6.556946431	8.967039762	4.676407091	1.917506237	0.737963443	11.2546816
5333	6.816448962	7.763162962	5.974395126	1.29940568	0.30970099	4.543435913
5334	5.170010224	6.540873758	4.108799229	1.591918561	0.433813565	8.390961445
5335	6.687294772	7.39003804	6.233964054	1.18544765	0.196764941	2.942369793
5336	5.693421212	7.258266216	4.388022851	1.654108573	0.470013833	8.255384857
5337	4.523076878	5.285017604	3.316717969	1.593447997	0.253510758	5.604829738
5338	6.390376346	7.028004169	5.36760801	1.309336329	0.256727796	4.017412775
5339	6.011014148	7.705095654	4.031481938	1.911231595	0.471937201	7.851207622
5340	3.973243474	5.290221949	2.385917482	2.217269452	0.314299696	7.910406135
5341	6.055909098	9.140003328	3.310673892	2.760768238	1.124568066	18.56976464
5345	4.810537395	6.534959115	3.102172387	2.106575103	0.41249641	8.574850928
5346	4.800275578	6.607440304	2.789394906	2.368771912	0.591101315	12.31390377
5347	4.298814491	6.578515891	1.790723742	3.673663187	0.657736619	15.30041876
5348	5.794425128	7.501944433	3.037056725	2.470136423	0.536638808	9.261295058
5349	4.556230041	5.907043144	1.811781568	3.260350612	0.478702113	10.50653958
5350	5.371127576	7.486417342	2.899392607	2.582064024	0.817583725	15.22182659
5351	7.571145277	8.293621147	6.618753338	1.253048833	0.354820336	4.686481679
5352	9.070428028	10.10335425	7.833299427	1.289795487	0.397729003	4.384897838
5354	4.48950547	6.376338438	3.18613723	2.001275519	0.603847281	13.4501959
5355	7.304068599	8.62454544	4.845479731	1.779915698	0.628082322	8.599074794
5357	6.714365516	8.381429006	5.016617782	1.670733026	0.540069119	8.043487021

5358	10.35259597	11.15069516	9.279521278	1.201645519	0.300096644	2.898757423
5359	6.590326996	7.801784091	5.163044392	1.511082125	0.37298628	5.659602027
5360	6.33484821	8.647064128	4.407562386	1.961869934	0.743135697	11.73091561
5362	6.104361851	7.284426228	4.963073991	1.467724688	0.35500195	5.815545645
5364	6.405761099	8.259895754	5.547542215	1.488928869	0.419701888	6.551944132
5366	4.718239345	8.166125488	2.188373961	3.731595072	1.089408855	23.08930886
5368	4.780998118	7.995129525	2.485245924	3.217037577	1.067683287	22.3318073
5371	5.467849361	6.745702131	4.590694942	1.469429403	0.323610144	5.91841732
5372	6.790553953	7.306264196	5.880145492	1.242531193	0.23743525	3.496551995
5373	6.266286032	7.259024009	5.247047547	1.383449253	0.326961726	5.217791274
5376	6.443015944	7.480572846	4.995115787	1.497577467	0.360804245	5.599927859
5378	5.243552302	5.894546135	4.205272683	1.401703666	0.235250916	4.486479814
5394	6.159327874	7.102317537	4.80026962	1.479566378	0.269017192	4.367638762
5396	7.051928404	8.545522108	5.571023679	1.533923135	0.583606695	8.275845432
5407	4.142557584	5.751098282	2.513344453	2.288225267	0.334854428	8.083277578
5408	3.525399322	6.346366652	1.324632934	4.791037945	0.524441385	14.87608459
5409	5.195286197	7.882736031	3.426461001	2.300547425	0.472964382	9.103721417
5411	8.03828718	8.792700581	7.485693278	1.174600702	0.224512594	2.793040222
5412	8.519666636	9.52335397	7.791322994	1.222302551	0.338496586	3.973120083
5420	8.407631242	9.350961647	7.396529514	1.264236373	0.398851147	4.743918176
5423	5.599119569	6.661715874	3.73353459	1.784291993	0.316760899	5.657334077
5424	5.92716657	7.000132543	4.192809322	1.669556616	0.35995211	6.072920445
5425	7.637153132	9.065846187	6.964760964	1.301673702	0.311789668	4.082537859
5426	5.767754919	6.707496511	3.964335555	1.69195983	0.389834845	6.758866325
5427	4.483605445	6.770368769	1.97447908	3.428939225	0.48869474	10.89959289
5430	6.01140823	6.887029664	4.586082673	1.501723836	0.267738722	4.453843626
5431	7.832738328	8.608188269	6.505934276	1.323128686	0.262755622	3.354581891
5433	5.853535833	6.610804052	5.020136956	1.316857311	0.324551314	5.544534501
5434	7.949506097	8.752282506	6.908755119	1.266839301	0.233992281	2.943482003
5435	7.134679455	8.364107153	6.224118071	1.343822058	0.259813667	3.641560477
5436	8.799776363	9.536947301	8.077717033	1.180648847	0.279799979	3.179626017
5437	8.449444203	9.087494403	7.523371767	1.207901814	0.276380437	3.270989547
5438	8.658028762	9.634779934	7.982013074	1.207061407	0.284046232	3.28072636
5439	8.711726934	9.653379622	7.940841979	1.215661972	0.257369443	2.954287308
5440	8.15088165	9.091363499	7.598227302	1.196511125	0.313272575	3.843419508
5441	8.219175356	9.209389578	7.081199665	1.300540871	0.318755892	3.878197972
5443	4.93115662	7.516781915	2.086199996	3.603097465	0.687675633	13.94552407
5444	3.802423383	5.770502573	2.368749509	2.436096578	0.380300645	10.00153341
5445	7.10129157	7.652110087	6.281119776	1.218271639	0.250832469	3.532209121
5446	6.666314349	8.465353911	4.571730594	1.851673833	0.750066263	11.25158857
5447	8.504096434	9.651333799	7.001829348	1.378401746	0.558142175	6.563215502
5450	4.823808901	7.788751822	2.793243436	2.788425714	1.17782777	24.41696581
5451	5.690773685	6.688176459	4.903080815	1.364076325	0.225291946	3.958898367
5453	4.266390357	5.888583558	3.053274774	1.92861239	0.319271205	7.483403482
5454	4.132892423	5.707020601	1.735392698	3.28860471	0.457409729	11.06754501
5456	3.934323992	5.860592223	2.143212189	2.734489965	0.467386633	11.87971897
5457	4.125342594	5.434767076	2.34532848	2.317273304	0.39836944	9.656638963

5463	5.153201248	6.230311186	4.579556012	1.360461837	0.229313413	4.449921559
5467	5.932748485	6.976195361	5.245623657	1.329907713	0.229503859	3.868423881
5468	6.06208554	7.175279015	4.740751729	1.513531909	0.463462502	7.645264963
5469	6.873908373	7.466855402	5.793871091	1.288750696	0.288106463	4.191304968
5470	3.585085628	6.376397033	1.441657512	4.422962443	0.506589439	14.13046973
5471	6.023487355	6.65300118	4.996071647	1.331646471	0.291514631	4.839632164
5473	4.534369315	8.205329437	2.825839666	2.903678343	0.982999025	21.67884786
5475	3.925524963	5.096443505	1.155055536	4.412293042	0.44344393	11.29642364
5476	8.053017205	9.220455221	6.764927931	1.362979076	0.384368959	4.772980729
5480	8.451239221	9.403567786	7.192266692	1.307455381	0.374923322	4.436311796
5481	7.441317986	7.918939638	6.218085047	1.273533504	0.288464959	3.876530467
5493	7.919559185	9.867426113	6.23836783	1.581732014	0.671884395	8.483861029
5494	6.636094015	7.054468182	4.988844087	1.414048637	0.255281095	3.846857724
5495	7.513023949	8.140036926	6.455265009	1.260991906	0.226424391	3.013758404
5498	5.49064319	6.541363417	4.412728536	1.482385187	0.26905932	4.900324249
5499	8.788561205	9.663261796	7.789130167	1.24060859	0.307201688	3.495471911
5500	8.624576194	9.340492131	7.970583775	1.171870517	0.236870497	2.746459557
5501	9.562769217	10.15401128	8.781699806	1.156269458	0.217949752	2.279148923
5502	4.827638029	6.148011262	2.565028017	2.396859302	0.487652293	10.10126049
5504	6.79464862	7.735048007	6.26843097	1.233968763	0.246876668	3.633398608
5506	3.226950465	4.977430897	0.704367376	7.066526742	0.462372821	14.32847595
5509	5.671666222	6.385106569	4.588357886	1.391588609	0.307312466	5.418380662
5510	7.617185689	8.263710838	6.745877068	1.225001694	0.228067599	2.994118936
5511	7.802820257	8.425888986	6.659709409	1.2652037	0.216653998	2.77661142
5514	7.033603419	8.478456315	6.205847309	1.366204467	0.403668146	5.739137145
5515	7.664056865	8.787434984	7.005777024	1.254312684	0.294163646	3.838223694
5516	7.848766283	8.736672292	6.394515058	1.366275974	0.361086827	4.600555222
5518	7.991082097	9.439229653	7.231683578	1.305260324	0.309517402	3.873285226
5519	5.623934531	6.340898718	4.356350459	1.45555294	0.244792609	4.352693075
5520	6.980407549	7.623322531	6.416058525	1.188162873	0.177764346	2.546618441
5521	5.017692403	6.37092014	4.330982856	1.471010242	0.300271766	5.984260137
5523	6.024277713	7.397813193	4.749812494	1.557495839	0.358083207	5.944002319
5524	7.276016888	7.942600273	6.772311883	1.172804858	0.208165393	2.860980063
5525	6.876483543	7.802636548	5.570934664	1.40059739	0.33988705	4.942745058
5526	6.544841523	6.987659479	5.021396612	1.39157689	0.217010742	3.315752433
5527	6.699892632	7.413711962	5.315609012	1.394706034	0.261709265	3.906171024
5529	7.800577073	8.570611144	7.380523723	1.161247015	0.208634018	2.674597221
5530	7.746587139	9.721975799	7.027004778	1.383516321	0.363737606	4.695456194
5531	7.734016093	8.751758497	6.825791803	1.282160187	0.308032847	3.982831726
5532	8.084402795	8.590492536	7.622004675	1.127064716	0.169023887	2.09074055
5533	5.746219515	6.559474826	4.402214928	1.490039658	0.240250127	4.181011996
5534	6.07118721	7.386083646	4.29703979	1.718877182	0.425796832	7.013403093
5536	5.496117233	6.720102549	4.898355629	1.371909893	0.231436153	4.210902775
5537	8.387087121	8.857671934	7.609337546	1.164052965	0.180674083	2.154193473
5539	4.580233229	9.395140709	2.717259817	3.457579084	0.925105599	20.19778367
5546	6.869032168	7.634032337	5.846253314	1.305799104	0.295978376	4.308880329
5547	6.450762894	6.875465807	5.723336036	1.201303884	0.180085063	2.79168629

5549	6.597648288	8.034762109	5.428842296	1.480013909	0.542805339	8.227254859
5550	6.014566118	6.535965623	5.554423006	1.176713696	0.187537813	3.118060547
5551	6.023703525	8.146658782	4.568614729	1.783179205	0.641467186	10.64904976
5552	7.930578776	10.21904538	6.199680495	1.648318069	0.899264153	11.33919955
5553	4.383522449	5.768987559	1.178885959	4.893592562	0.551645836	12.58453315
5557	6.142693085	7.695982508	5.424276779	1.418803432	0.365293809	5.946802226
5558	5.117729917	6.238763435	4.172457082	1.49522531	0.370213463	7.23393906
5562	5.557746932	6.198272389	4.82517533	1.284569361	0.231179104	4.159583133
5563	5.703630233	6.585673229	4.537549394	1.45137224	0.379875987	6.660249204
5565	5.768094143	6.381746804	4.523929878	1.410664395	0.28939275	5.017129457
5566	5.924053981	6.617074971	3.898573675	1.697306637	0.341164409	5.758968606
5567	6.863771222	7.883398136	5.671762513	1.389937981	0.371712469	5.415571949
5568	4.311184254	6.752736815	2.209364824	3.056415465	0.553490243	12.83847338
5569	7.7842208	9.432031305	6.418530728	1.469500062	0.513603211	6.59800415
5571	7.79414575	8.552643662	7.000795517	1.221667401	0.257469809	3.303374314
5573	8.805699712	9.504111256	8.217861397	1.156518807	0.261518443	2.969876919
5575	5.39555107	7.246788643	4.223397981	1.715866862	0.343176931	6.36036851
5576	7.451701181	8.129769156	6.676595792	1.217651841	0.209614898	2.812980458
5577	5.915559459	7.348535849	4.67289341	1.572587946	0.514000638	8.688960722
5578	5.04162713	5.933303481	4.004586616	1.481626957	0.301318699	5.976616109
5579	4.875480408	6.990986633	3.925717645	1.780817487	0.67421153	13.82861735
5580	7.216790112	8.242205879	5.791950508	1.423044943	0.404870443	5.61011803
5581	4.7450522	5.577665936	3.822199711	1.459281659	0.260276892	5.485227159
5582	4.407025085	6.276045304	3.161034896	1.985440057	0.339364637	7.700537896
5583	6.336030852	7.336883497	5.788839846	1.267418635	0.303027027	4.78260025
5584	7.667108283	8.937433612	6.650447292	1.343884587	0.421021219	5.491264808
5585	6.107224571	7.770072848	4.902615904	1.58488305	0.374945986	6.139384287
5586	6.840014664	7.580520228	5.3361795	1.420589436	0.287265505	4.199779077
5587	5.487763377	6.759108373	3.643466236	1.855131333	0.496392248	9.04543826
5588	7.709589861	9.333428758	6.716038043	1.389722437	0.409140073	5.306898043
5589	7.921602858	8.913885394	6.730612305	1.324379564	0.347191317	4.38284174
5590	7.315733862	8.777015088	6.094351954	1.440188416	0.532452554	7.278183758
5592	5.417510743	6.35935459	3.004242619	2.116791284	0.402084901	7.421949305
5593	3.982764772	5.389566097	2.142473048	2.515581749	0.477358487	11.98560583
5594	6.468695439	7.710565629	5.655612463	1.363347591	0.263877934	4.07930682
5596	4.534544037	6.791942616	2.466836618	2.75330055	0.612380393	13.50478434
5597	6.68067318	8.245244832	5.445251814	1.514208179	0.363190389	5.43643401
5598	5.910161971	6.971089052	4.721817362	1.476357198	0.303483369	5.134941656
5599	6.150358838	6.873609432	4.986644817	1.378403653	0.276330367	4.49291454
5600	4.85556136	5.58084786	4.217134927	1.323374271	0.220097733	4.532899843
5601	7.166530103	7.892475951	6.782333887	1.163681423	0.183293299	2.557629656
5602	5.92617408	7.208702246	5.022559636	1.43526464	0.40533512	6.839743736
5603	6.770180669	7.978432028	5.678340384	1.405064066	0.340589735	5.030733329
5604	7.673929341	8.460878343	6.127507623	1.380802581	0.335307519	4.369437142
5607	5.235658768	6.00032624	4.461762988	1.34483303	0.193129494	3.688733397
5608	4.691011798	5.7008386	3.885149922	1.467340698	0.299754372	6.389972679
5609	5.005014782	6.449761378	3.864914616	1.668797896	0.28236228	5.64158734

5610	7.419396841	8.3607401	6.139476549	1.361800152	0.287971971	3.881339379
5611	7.726847668	9.045804034	6.033536616	1.499254021	0.473380336	6.126435465
5612	8.144714436	8.589055293	7.522374848	1.141801023	0.209953834	2.577792455
5613	7.670012931	9.053470035	6.330519794	1.430130594	0.62075386	8.093257026
5616	6.124967526	7.926871472	4.829973015	1.641183387	0.464740792	7.587644997
5617	4.126754929	6.146702386	0.525247925	11.70247818	0.586160556	14.20391
5618	4.094970883	5.738893053	2.924450015	1.962383704	0.368331876	8.994737363
5619	4.397114718	6.298598032	2.960216541	2.127749084	0.440203932	10.01119962
5620	3.78569948	6.657858759	2.755687208	2.416042989	0.398169913	10.51773694
5621	8.725605955	9.590689237	7.98439506	1.201179196	0.2881194	3.301998753
5624	4.249460055	6.927785354	2.375791911	2.915989958	0.456038242	10.73167498
5627	7.271814941	8.75891652	5.942552189	1.473931779	0.601874441	8.276811855
5629	6.210129223	7.68047301	5.209268927	1.474385968	0.553256244	8.908932876
5630	5.671923727	7.780191699	3.867365411	2.011754999	0.510484489	9.00020017
5631	7.637729191	8.768959599	6.456770909	1.358102947	0.385827768	5.051603144
5634	7.410883178	8.324467537	6.519994475	1.276759907	0.317051865	4.278192721
5635	7.562569182	8.609385637	6.764252169	1.272777156	0.334223485	4.419443673
5636	7.639264098	8.67888376	7.186726862	1.207626772	0.247367355	3.238104501
5638	7.290772018	8.386596329	5.485502054	1.528865771	0.458368541	6.286968516
5639	5.967268324	8.346396778	4.715887132	1.769846594	0.463643344	7.769775368
5641	9.203288827	10.20854028	8.235976042	1.239505825	0.358287791	3.893040823
5646	4.385686276	5.667700015	2.394030658	2.367430006	0.372405563	8.491386275
5649	6.537026504	8.770036747	4.028162674	2.177180381	0.778241064	11.90512328
5650	4.536347712	6.866849964	2.99995616	2.288983438	0.518022672	11.41937755
5652	7.19870668	9.264225561	5.495194241	1.685877724	0.6519558	9.056568478
5653	4.370709889	5.852219502	2.182934872	2.680895146	0.435047577	9.953705186
5657	4.030829727	6.669882892	2.289058991	2.913809962	0.50690585	12.57571974
5660	10.46847062	11.23411419	9.558480298	1.175303379	0.268621565	2.566005815
5662	5.021563942	6.947430206	2.260839214	3.072943074	0.454686645	9.054681971
5663	5.982689952	6.51963062	4.819257422	1.35282888	0.214205344	3.58041861
5664	5.689015986	6.3605881	5.267653069	1.20748045	0.205122103	3.605581418
5680	4.066661484	5.152919241	2.187976472	2.355107245	0.389174455	9.569875834
5681	6.328350433	7.552138475	4.950541756	1.525517579	0.306067054	4.836442884
5682	8.807852984	9.409915474	8.370041637	1.124237594	0.191284477	2.1717492
5683	8.221075862	9.154967268	7.590890351	1.20604657	0.282671433	3.438375193
5684	6.761566079	7.345050169	5.816605642	1.26277259	0.251745444	3.723182488
5685	8.984423452	10.09452088	8.166861548	1.236034286	0.316247741	3.519955874
5686	7.602004808	8.204049735	6.685691548	1.227105629	0.287068238	3.776217522
5689	8.487653584	9.112538882	7.181013504	1.268976709	0.228989636	2.697914489
5691	9.368637987	10.20766337	8.5613313	1.192298606	0.242463852	2.588037369
5693	8.976133784	10.46410837	7.919313204	1.321340386	0.351002082	3.91039272
5694	9.23949071	9.794242529	8.426436034	1.162323251	0.252977888	2.738006846
5695	7.217941211	7.992674192	5.030339	1.588893749	0.42239794	5.852055703
5696	7.458539974	9.73892705	5.952208732	1.636187084	0.742275295	9.952018725
5698	7.096671888	9.959786301	5.182789861	1.921703671	1.144954432	16.13368139
5701	8.162023829	8.860357897	7.508925327	1.179976829	0.2363176	2.895330922
5702	8.016066763	9.124655671	7.322361071	1.246135718	0.274603268	3.425660939

5704	8.011924971	8.719400179	7.272803746	1.198904918	0.265804345	3.31760901
5705	9.274190239	9.803704422	8.521692943	1.150440938	0.204714027	2.207352031
5706	8.681103312	9.525847963	2.533381635	3.760131451	0.633755167	7.30039886
5707	8.371190285	9.182079392	7.401478293	1.240573711	0.270305933	3.229002375
5708	8.544118061	9.16804152	7.909206626	1.159160704	0.253478712	2.966704228
5709	7.373705351	8.246378132	6.116089782	1.348308875	0.315796858	4.282743111
5711	6.287910553	7.576034394	5.23426911	1.447391075	0.266658484	4.240812303
5714	8.506456574	9.200935519	7.932285927	1.15993493	0.27359847	3.216362387
5717	7.074495094	7.94029072	5.096677498	1.557934698	0.346802977	4.902158702
5718	7.601574048	8.42108897	7.071318341	1.19087963	0.250072283	3.289743429
5719	7.427191991	8.199431728	6.785434729	1.20838709	0.25939578	3.492514809
5720	9.370809973	10.31367624	8.769739796	1.176052708	0.283353685	3.023790746
5723	5.790378464	7.255642693	4.477755921	1.620374764	0.620559301	10.7170767
5727	5.374559065	6.691510495	4.279917835	1.563467046	0.292273858	5.438099286
5728	7.240514557	7.652022339	6.606651291	1.158230093	0.195678348	2.702547541
5729	4.118107905	5.905878274	2.653814807	2.225429694	0.367637464	8.927339272
5732	4.565075208	5.824117035	2.878066433	2.023621473	0.50327969	11.02456513
5733	4.029644461	4.748834863	3.159850013	1.502867176	0.207566034	5.150976376
5734	5.87972021	7.482795176	4.793434593	1.561050856	0.601324995	10.2271022
5739	5.307748258	6.568399263	3.67764946	1.786031903	0.337785471	6.364007013
5740	5.188485904	7.544966876	3.107560901	2.427938539	0.545252222	10.50888895
5741	3.628770455	10.02576131	0.72723297	13.78617544	1.087107222	29.95800465
5743	5.2931351	7.760298609	2.834842208	2.737471097	0.936014827	17.683562
5744	4.136435108	5.129553968	1.91504387	2.678556898	0.392930039	9.499243393
5745	4.791803423	5.694660643	3.551084287	1.603639954	0.290288342	6.058018596
5746	3.661124438	5.61258354	-0.137086363	-40.94195386	0.58034788	15.85162947
5747	6.801182469	7.434357425	5.792652427	1.283411618	0.289171994	4.251789974
5753	4.282212931	6.875079979	1.673429737	4.108376842	0.471662102	11.01444766
5756	6.121280327	6.799611684	5.124440319	1.326898405	0.28770651	4.700103479
5763	6.4328955	8.145782972	5.649654702	1.441819616	0.322793271	5.017853485
5770	5.578049326	6.992072803	4.558264029	1.53393326	0.322815256	5.787242767
5771	5.628593058	6.298049222	5.178333917	1.216230804	0.17716705	3.147625851
5774	6.988776713	8.216159235	4.886179859	1.681509783	0.467378068	6.687551878
5778	4.854995319	6.554886505	3.082714169	2.126336126	0.574559024	11.83438883
5780	5.672015924	6.958074589	4.683765803	1.485572696	0.302698506	5.33670057
5781	5.829679689	6.462456436	5.054314028	1.278602081	0.253682292	4.351564854
5782	6.140983378	7.071510024	4.69569665	1.505955463	0.355361647	5.78672217
5783	7.116517794	8.683108874	5.764730239	1.506247216	0.510861409	7.178530623
5784	5.941822503	6.876749595	4.612502741	1.490893335	0.420219625	7.072234566
5787	5.780136883	6.62538131	4.617451971	1.434856573	0.359473998	6.219126039
5788	5.502450319	8.36550683	3.13146892	2.671432176	1.145517159	20.81830988
5789	4.699409737	6.862168305	3.144491064	2.182282654	0.627855091	13.36029685
5791	5.359081222	6.081080114	4.32733219	1.405272313	0.36185787	6.752237087
5792	6.952579723	8.212193054	6.110019275	1.344053543	0.353064009	5.078172756
5793	6.199637709	7.134786519	4.356708847	1.637655113	0.409044669	6.597880202
5795	5.584650361	6.410013195	4.151460754	1.544038009	0.260811206	4.670143854
5796	6.254573325	6.958748903	4.737467627	1.468875241	0.292226136	4.672199379

5797	8.99834394	10.02527798	7.89764359	1.269401165	0.380191933	4.225132261
5798	4.761008595	5.940807454	3.502336908	1.696240998	0.390856473	8.209530928
5799	6.756225397	7.867064936	5.734943167	1.371777315	0.368266193	5.450768312
5800	5.415746831	6.356106961	4.251495654	1.495028451	0.375857647	6.940088944
5801	4.0880754	5.408253798	2.25175833	2.401791403	0.450416798	11.01782023
5802	6.169208593	7.462403617	5.39836609	1.38234486	0.319093425	5.172355912
5803	3.592923724	4.965682832	0.190263704	26.0989497	0.511175516	14.22728551
5805	8.360005268	9.41440163	7.554536165	1.24619188	0.418203242	5.002427975
5813	7.278862397	8.013095372	6.672496749	1.200914092	0.242051843	3.325407597
5816	4.59764678	7.43119476	2.109149201	3.523313929	0.711859101	15.48311855
5817	5.287695113	5.841327412	3.861745129	1.512613395	0.253662302	4.79721876
5818	4.656428597	5.779399194	3.825822217	1.510629315	0.248947345	5.346315085
5819	6.733182489	7.581656211	5.846747142	1.296730648	0.345060797	5.124780103
5822	5.603757806	6.656200635	4.725012854	1.408715879	0.223686327	3.991720107
5824	7.622626078	8.274622684	6.816471347	1.213915861	0.291879572	3.829120946
5825	7.019991366	8.045714088	5.857080607	1.373673102	0.410427817	5.846557287
5826	5.831769589	6.647374956	4.567912633	1.455232508	0.208586174	3.576721804
5828	6.527055172	7.424323891	5.748701681	1.291478373	0.272619915	4.176767437
5829	5.863836104	6.588829019	5.128394346	1.284774254	0.277202536	4.727324081
5830	6.235902515	7.241005764	5.580225177	1.297618919	0.248105265	3.978658496
5831	5.845488962	6.576966251	4.302774233	1.528540866	0.363624422	6.220598899
5833	5.576077216	7.113553352	5.030402507	1.41411216	0.297658126	5.338127759
5834	6.289571358	7.437332779	5.007012589	1.485383279	0.297105596	4.723781304
5836	6.254861773	7.340854194	4.939005233	1.48630217	0.492120733	7.867811479
5837	5.466497395	7.903208547	3.331486022	2.372277265	0.582055926	10.64769419
5858	4.537979139	6.344025945	2.809590723	2.257989355	0.419344653	9.240779658
5860	6.48553597	7.072196277	5.559276641	1.272143254	0.238898826	3.683563347
5861	8.191003848	8.881420117	7.186104636	1.23591578	0.242119199	2.955916066
5862	7.959188904	8.752700111	7.320009298	1.19572254	0.26548777	3.335613386
5863	7.906629012	8.608475473	6.957809533	1.237239311	0.258997614	3.275702119
5864	5.160275316	6.955793716	3.342555714	2.080980637	0.5101411	9.885927963
5865	3.763499269	4.418373725	1.072807758	4.118513959	0.606190002	16.10708435
5868	7.21503018	8.035837345	5.78487407	1.389111889	0.267434044	3.706624053
5871	5.378395828	7.047532463	2.806312742	2.511313994	0.471186225	8.760720488
5873	7.117511679	8.466035037	6.075914304	1.393376307	0.517614854	7.272413131
5875	6.544470673	7.215999714	5.402369867	1.335710048	0.276439351	4.224013896
5876	7.550119397	8.318983282	6.510406915	1.277797746	0.313155773	4.147692989
5877	6.172917827	6.754210401	5.589871068	1.208294488	0.225621148	3.655016217
5878	7.878795376	8.69254019	6.628835077	1.311322441	0.369480186	4.689551747
5880	6.019929639	9.993697925	2.632760709	3.795900589	1.483276073	24.6394254
5881	5.144467493	6.921781198	3.380576091	2.047515279	0.509527602	9.90437986
5883	6.168776154	6.826193204	4.820305192	1.41613299	0.301424673	4.886296163
5884	6.942628557	7.476015058	6.254354778	1.195329546	0.211569757	3.04740136
5885	8.66432329	9.677827159	8.033457306	1.204690184	0.268004789	3.093199317
5888	4.210625444	5.86057136	2.321407149	2.524577113	0.471877275	11.20682145
5889	6.058406084	6.856906676	5.366227933	1.277788935	0.270190049	4.459754684
5890	4.312269475	5.291940027	3.162506459	1.673337303	0.236824219	5.491869664

5891	6.768782126	7.633501654	5.206970293	1.466015979	0.375650901	5.549756123
5893	5.224101972	6.378579076	3.862606919	1.651366346	0.300205687	5.74655106
5894	7.636162832	8.288758872	6.653195604	1.245831231	0.260377397	3.409793669
5898	7.663312677	8.35900572	6.48968236	1.288045432	0.317361233	4.141306074
5899	7.235563692	8.002674419	6.047602633	1.323280464	0.263614226	3.643312907
5900	6.872300655	7.900001845	5.141002924	1.536665503	0.426942565	6.212512897
5901	9.082419165	9.777943904	8.471163818	1.154262167	0.248551455	2.736621712
5902	5.891391428	6.453240277	4.789449787	1.347386561	0.227250836	3.857337248
5905	6.259504191	7.10460091	4.131685941	1.719540403	0.318838687	5.093673189
5906	6.482322614	7.498258181	5.692577329	1.317199178	0.231204254	3.566688487
5908	9.247584124	10.24531959	8.503942586	1.204772902	0.25213601	2.726506802
5909	7.763026293	9.709483085	5.139772902	1.889087956	0.653035377	8.412123727
5910	6.15014234	6.747994468	4.989192321	1.352522419	0.270040536	4.390801408
5911	5.905363772	6.657156201	5.317332281	1.251972954	0.204645183	3.465411976
5914	5.293334058	6.369304345	3.7648621	1.691776266	0.333628744	6.302809165
5915	5.112035568	6.402362818	4.220761656	1.516873811	0.315749145	6.176583495
5916	5.02649559	6.572905707	3.073241285	2.13875355	0.351351582	6.989990863
5917	8.296693105	8.899997956	7.017261605	1.268300721	0.296460793	3.573240437
5918	5.199563844	7.793979216	1.796505489	4.338411024	0.968960589	18.63542055
5919	7.487456107	9.832514705	5.738821493	1.713333429	0.598253547	7.990077522
5920	7.940990241	10.64171014	6.313673606	1.685502102	0.877020633	11.04422252
5921	8.024644678	8.720734804	6.972754855	1.250687137	0.27002865	3.364991986
5922	6.165518743	7.446208268	4.531951031	1.643046939	0.420823291	6.825432031
5926	6.489844963	7.281910287	5.028699987	1.448070139	0.41388645	6.377447414
5927	6.421971534	6.971407341	5.443188211	1.280758091	0.273986596	4.266393808
5928	7.418105296	7.893262253	6.891965938	1.145284571	0.183733526	2.476825539
5929	6.401091134	7.292017095	5.294005796	1.377410108	0.414718095	6.478865655
5930	6.475319332	7.117421966	5.970638041	1.192070582	0.197362898	3.047925332
5931	8.872685461	9.423952378	8.375700539	1.12515393	0.175717022	1.980426587
5932	7.675509726	8.419395035	6.604285303	1.274838177	0.289693201	3.774253581
5933	4.439590462	5.311068952	3.377699616	1.572392325	0.276381254	6.225377243
5935	7.530597176	8.226803972	6.954007692	1.183030611	0.292781664	3.887894375
5939	6.234550993	7.040542105	5.440334558	1.29413771	0.253425213	4.064851081
5947	6.01783206	7.403888537	4.90386485	1.509806808	0.443105046	7.363200595
5949	4.570578062	7.143000275	2.068839371	3.452660644	0.647924221	14.17597976
5950	4.216595372	5.617977775	3.012190957	1.865080221	0.346289005	8.212526326
5955	7.867368271	8.624552031	7.010074979	1.2303081	0.310160225	3.942363118
5961	5.07986137	7.111695176	1.349909924	5.268273869	0.958858344	18.87567936
5962	6.8207049	7.586015317	5.631785923	1.346999943	0.365470615	5.358252848
5965	6.904663243	8.012506262	5.977420739	1.340462151	0.368536914	5.337507436
5966	6.195328444	7.256856754	4.937963721	1.469605117	0.369170787	5.958857393
5967	4.416850932	6.613743893	1.04884409	6.305745494	0.544268928	12.32255596
5968	4.132552295	6.348607681	1.160289276	5.471573178	0.614349184	14.86609582
5970	6.769109829	7.695242633	5.642283445	1.363852544	0.316625811	4.677510323
5971	5.535365141	6.855829656	3.748457819	1.828973404	0.493447529	8.914453101
5972	3.914638091	5.93186222	2.444866207	2.426252284	0.398786709	10.18706454
5976	6.747261998	7.523241341	5.614546928	1.339955198	0.287167828	4.256064573

5977	7.815314598	8.841603017	7.042074365	1.25553957	0.283380115	3.625959152
5978	6.024550748	7.498133515	3.625008816	2.068445595	0.324135803	5.38024853
5979	4.51361787	5.628150188	3.096160388	1.817783798	0.347995121	7.709893274
5980	7.031493823	7.888962587	6.114280078	1.29025208	0.322277605	4.583344777
5981	6.477410545	7.009605921	5.510942829	1.271943139	0.227743782	3.515969544
5982	6.306168701	7.318488673	5.221048368	1.401727806	0.289265701	4.58702763
5983	5.215338963	6.712147831	4.552082248	1.474522529	0.294836045	5.653247987
5984	6.45240883	8.326264683	5.303861687	1.569849512	0.470459519	7.29122303
5985	6.51173327	7.12117201	5.382159865	1.323106743	0.280652803	4.309955454
5986	6.617171836	7.598033975	5.833526135	1.302477061	0.291456182	4.404543048
5987	7.221363764	7.733911274	6.167563117	1.253965485	0.237454688	3.288224989
5989	5.935999155	6.63080913	5.06992306	1.307871747	0.251404136	4.235245474
5990	5.34685624	6.77938007	4.09241395	1.656572417	0.370233102	6.924313754
5991	5.001667516	5.524944235	4.058607072	1.361290743	0.241349432	4.825379369
5993	7.240053945	8.462434238	6.172666148	1.370952848	0.340397993	4.701594705
5994	5.380940402	6.221217786	4.37366251	1.42242749	0.343635147	6.386154122
5995	4.176287348	5.377043188	1.968393907	2.731690628	0.361035819	8.644898906
5997	8.244172825	11.4849552	5.420224636	2.118907604	0.950146752	11.52507076
5998	5.449206564	6.873199066	4.232880381	1.623764068	0.355700919	6.527572688
5999	4.889312128	6.397980855	1.594857502	4.011631664	0.781052019	15.97468107
6000	3.710338998	5.369639424	1.547607441	3.469639188	0.377684494	10.17924492
6001	6.359839003	7.57645562	5.479919833	1.38258512	0.429851878	6.758848428
6002	4.834882653	5.724476005	3.752562473	1.525484531	0.213699102	4.419943926
6003	3.585943189	8.745615431	0.758799353	11.52559685	1.239874693	34.57597146
6004	7.434792132	8.634039353	6.2195547	1.388208605	0.497426146	6.690518544
6005	3.901887791	5.278880051	1.795026628	2.940836626	0.432429015	11.08255896
6010	4.611873714	6.636148245	2.725173411	2.435128795	0.398900318	8.649419806
6013	4.050887099	5.755266974	2.542257359	2.263841209	0.4048114	9.993154349
6014	3.64253036	5.552031614	0.873290414	6.35760055	0.497249537	13.65121188
6015	8.448964652	8.943096895	7.606950468	1.175648104	0.226840246	2.684828915
6016	6.316802289	7.075459002	5.72153511	1.236636474	0.272400044	4.312309157
6017	4.324747529	6.34228272	3.361730787	1.88661232	0.450813516	10.42404239
6018	6.816477913	8.193593911	5.915705635	1.385057746	0.33894617	4.972453147
6019	4.155250644	5.988819634	3.240525148	1.848101576	0.442621024	10.65208966
6035	6.626362414	7.762514096	4.789119377	1.620864607	0.435191163	6.567572607
6036	4.215141992	5.279507416	0.743707667	7.098901422	0.552068777	13.09727592
6038	7.003182833	8.373534419	4.660055531	1.796874386	0.560967558	8.010180101
6039	6.213664719	9.487135183	4.127448132	2.298547403	1.246180531	20.05548395
6045	5.694401193	6.703521053	4.495211865	1.491258089	0.277797204	4.878426976
6046	8.508955531	9.413985288	6.947826064	1.354954082	0.3620357	4.254760744
6047	8.059102827	8.686319461	7.380008233	1.177006744	0.217370227	2.697201306
6049	5.624580792	6.384942022	4.363794345	1.463162908	0.300869148	5.349183498
6050	6.81370366	8.224905418	6.227218761	1.320799178	0.21739546	3.190562292
6051	8.123534065	8.790220005	7.302794343	1.203678974	0.278918667	3.43346461
6059	7.180089961	8.196809784	6.100199421	1.343695381	0.282238646	3.930851112
6091	6.644359196	8.025978367	5.201463639	1.543023065	0.55906223	8.414088009
6093	6.208999641	6.780693206	4.38434247	1.546570153	0.269607088	4.342198471

6094	5.147868829	6.927531394	3.748130625	1.848263064	0.375056713	7.285669572
6096	4.112114514	5.439048444	2.294454235	2.370519473	0.40176217	9.770208699
6097	6.736756254	9.266655943	5.550407426	1.669545176	0.695255329	10.32032781
6098	3.679823519	5.0114249	1.241362443	4.037036022	0.444936474	12.09124491
6102	5.408640495	6.12158014	3.811170446	1.606220511	0.342341998	6.329538781
6103	6.000879231	7.017264479	5.040989663	1.392041037	0.343311258	5.721015951
6117	7.276061681	7.813453868	6.25383014	1.249386966	0.238022257	3.271306207
6118	8.17821671	8.772442557	7.564342202	1.159709903	0.217462384	2.659044045
6119	8.222313559	9.600611569	7.498004633	1.280422198	0.361790763	4.400109044
6123	4.2131977	6.538483805	2.241682754	2.916774818	0.444373404	10.54717664
6125	9.803469501	10.72371456	8.69736889	1.232983756	0.215514147	2.198345667
6135	11.23807414	11.59603589	10.79088662	1.074613819	0.167511765	1.490573589
6138	9.665515328	10.38861254	9.147736192	1.135648462	0.207508222	2.146892484
6141	8.530974519	8.99088981	7.577230939	1.186566687	0.164866664	1.932565425
6143	11.65638248	12.21135448	10.95313389	1.114873114	0.175428916	1.50500309
6150	6.791019203	8.169143737	5.849210638	1.396623278	0.299159798	4.405226806
6155	11.76591473	12.38350791	11.22264959	1.103438881	0.181957548	1.546480252
6156	11.80273965	12.78892873	11.15558279	1.146415115	0.213663386	1.810286361
6160	9.618115317	10.37422045	8.941923372	1.16017774	0.239863812	2.493875404
6164	11.31094858	12.17379012	10.84932348	1.12207827	0.215802561	1.907908602
6166	10.37879612	11.0171931	9.753786912	1.129529812	0.257263463	2.478740887
6168	9.075666039	10.08229543	8.333954635	1.209785254	0.278819651	3.072167371
6175	11.00365939	11.85909316	10.06157506	1.17865176	0.217570378	1.977254753
6182	6.545870949	7.48585534	5.67288692	1.319584798	0.263721307	4.028819217
6183	5.428548771	5.91410503	4.564054709	1.295800644	0.247647151	4.561940239
6184	9.183071106	9.833857328	7.546122586	1.30316692	0.343836017	3.74423777
6185	9.743541059	10.39854738	8.886381139	1.17016671	0.256292296	2.630381439
6188	11.58530836	13.27419597	10.92161538	1.215405919	0.286477579	2.472766113
6191	11.5945397	12.64888556	11.00156733	1.149734868	0.22698672	1.95770359
6192	6.379355157	11.90206855	1.583256302	7.517461658	2.746560896	43.05389538
6193	10.88482745	11.81026512	9.707102515	1.216662243	0.261594069	2.403290913
6195	7.100373023	8.418866452	6.089244991	1.38257969	0.356304232	5.018105822
6196	7.072538105	8.526384914	6.082244386	1.401848458	0.398076559	5.628482349
6197	7.355823238	8.361406881	6.553184233	1.275930385	0.304129034	4.134534291
6198	6.579904666	7.423005343	6.041699973	1.228628594	0.230562718	3.504043449
6199	6.19166212	6.921327685	4.638246449	1.492229393	0.298003597	4.812982218
6201	10.73082544	12.40113986	9.530796713	1.301165079	0.288354635	2.687161732
6203	9.427716506	10.18237957	8.808593056	1.155959812	0.20884353	2.215207998
6210	8.59190568	9.303927198	8.220395506	1.131810165	0.178071821	2.07255326
6217	10.31251783	10.73127463	9.600945778	1.11773099	0.155974046	1.512472978
6223	9.728485549	10.24714517	9.147356021	1.120230278	0.190074869	1.953797106
6228	10.02749572	10.96820247	9.308373857	1.178315637	0.297226186	2.96411182
6230	11.24791482	11.86636429	10.71538772	1.107413432	0.193148142	1.717190655
6235	9.512525794	10.347158	8.91740191	1.160333257	0.249625493	2.624176783
6236	5.534856375	8.122189441	3.791572369	2.142169171	0.832909974	15.04844783
6237	7.683658784	8.700087803	6.716235738	1.295381541	0.350933921	4.567276224
6238	6.91892599	7.59648591	5.970548098	1.27232639	0.295511922	4.271066378

6239	5.656638879	6.977349065	4.331589097	1.610805852	0.311207432	5.501631604
6240	6.931612257	8.000328351	6.223698045	1.285462163	0.323381253	4.665310773
6241	5.145247306	10.04790806	2.341570067	4.291098612	1.519723597	29.53645386
6247	4.084266273	6.191528895	2.640929105	2.344451005	0.448351614	10.97753145
6249	6.621407416	7.310283393	6.022923437	1.213743371	0.277586434	4.192257278
6251	5.969771016	6.729824679	5.022602678	1.339907835	0.210025852	3.518155909
6252	5.921027479	7.403908838	4.130966488	1.792294578	0.537239094	9.073409911
6256	7.324204015	8.296579156	6.048895715	1.371585748	0.275063464	3.755540722
6257	6.129704643	6.994390777	5.414981423	1.291674012	0.237462604	3.873964868
6258	4.027762116	7.848075054	2.730158872	2.874585481	0.953444727	23.6718232
6259	7.860176711	8.678007485	6.583001796	1.318244739	0.298001297	3.791279868
6262	6.159756046	7.966446525	4.674560197	1.704213057	0.714248931	11.5954094
6263	3.822112251	5.548483277	0.493155806	11.25097426	0.599397868	15.68237216
6271	7.581599381	10.25585802	5.4477555	1.882584124	0.722778433	9.533323988
6272	7.163938337	8.270958431	5.948346286	1.390463506	0.368678885	5.146315721
6273	6.324131651	10.68031544	4.587580627	2.32809324	0.830430288	13.13113536
6274	4.498953691	6.085038087	2.163431059	2.812679453	0.60851757	13.52575758
6278	3.901149967	5.406810134	2.343317135	2.307331796	0.385359548	9.878101359
6279	5.925711343	9.272293065	3.002156726	3.088543974	0.96469259	16.27977697
6280	6.353907093	8.914248619	3.840653156	2.321024122	0.887596445	13.96930159
6281	7.733673916	9.882008691	5.233097995	1.888366834	0.684490004	8.850774048
6282	8.864722371	10.46015415	7.720404071	1.354871333	0.485316488	5.474694722
6283	4.450976586	7.581183452	1.380410142	5.491978957	0.672876443	15.1175013
6284	7.968774213	9.216133016	6.966487766	1.322923879	0.363208704	4.557899302
6286	4.57503221	6.019237702	1.231155211	4.889097369	0.578977683	12.65516082
6293	8.258501552	8.939630761	7.686713975	1.162997711	0.223785521	2.709759386
6295	4.510396098	6.65532966	3.652366452	1.822196581	0.387806695	8.598062939
6296	4.093528075	5.778109086	2.813541527	2.053678266	0.389547148	9.516171404
6297	7.637989242	9.099718692	5.813706087	1.56521822	0.559012471	7.318843398
6300	4.806922148	5.842663954	2.910188398	2.007658321	0.312927126	6.509927062
6301	8.145276774	8.799699575	7.489271772	1.174973995	0.2574483	3.160706599
6302	8.614261881	9.272234065	8.004047519	1.158443156	0.267557302	3.105980585
6303	10.67638562	11.58854922	9.908180556	1.169594069	0.283475258	2.655161286
6304	6.697439059	7.976457587	6.07493556	1.313011061	0.293940324	4.388846565
6305	6.256425628	7.001970946	4.897257724	1.429773833	0.285855342	4.568988092
6307	7.84618184	9.522043064	6.891441567	1.381720061	0.379654894	4.838721581
6309	6.706942675	8.129640817	5.906998662	1.376272669	0.338144198	5.041704009
6310	6.362375268	7.059064499	5.695255018	1.239464164	0.247065965	3.883234715
6311	7.50344469	8.391242898	6.454196304	1.300122045	0.306489274	4.084647612
6314	6.025937113	6.890380099	4.520980731	1.524089685	0.33832808	5.61453055
6317	3.483962675	4.50763441	1.626043513	2.772148699	0.413214092	11.86046267
6319	4.923560432	6.341838279	3.09461512	2.049314061	0.60354174	12.25823768
6324	5.349361942	7.234589909	2.922820755	2.475208203	0.496259579	9.276986383
6327	4.412300102	5.87779316	3.630866044	1.618840544	0.343019952	7.774175458
6331	4.680719087	5.589081171	2.72114518	2.053944498	0.362837724	7.751751746
6335	3.891792644	5.287625924	1.406397496	3.759695205	0.403874736	10.3776016
6337	6.793616398	8.877455752	5.790009919	1.533236709	0.564477832	8.308944731

6338	5.929458275	8.061287505	3.093556389	2.605831765	0.716524743	12.08415186
6339	4.93756335	6.866743541	2.653373381	2.587929611	0.490798383	9.940092886
6342	8.80310032	9.682514247	7.853868783	1.232833717	0.288891684	3.28170387
6346	4.172462014	6.35231797	2.599297279	2.443859739	0.409902077	9.823985831
6347	7.657853476	11.47003491	4.986823261	2.300068463	1.233941884	16.11341727
6352	6.666150734	10.20427422	4.443842848	2.296272522	1.312912584	19.69521297
6354	4.06555892	6.079792437	0.902674211	6.735311991	0.60039023	14.76771687
6356	4.32837335	5.600300233	1.812224378	3.09029075	0.452951157	10.46469702
6357	4.721649605	6.264400354	2.778237831	2.254810688	0.54323552	11.50520613
6360	4.250619097	6.395037517	2.288703431	2.794174828	0.49996815	11.76224306
6362	6.032545726	10.24938273	2.52975164	4.051537141	1.398011913	23.17449344
6363	6.532460714	11.46804527	2.821125068	4.065060922	1.985617983	30.39617182
6364	4.0499943	6.095223511	1.471050641	4.143449139	0.659347638	16.28021151
6368	3.884290768	5.298326865	1.504077881	3.522641302	0.493442923	12.70355265
6370	4.378438936	7.521554308	2.859742093	2.630151274	0.486927131	11.12102139
6372	3.60842255	5.604226656	0.26501567	21.14677464	0.639101071	17.71137007
6375	4.292800583	6.644159518	0.547637146	12.13241207	0.78306794	18.24142363
6376	6.560287087	7.733037123	5.372964191	1.439249704	0.500069599	7.622678583
6382	7.287970605	9.393528317	6.562357318	1.431425913	0.509370438	6.989194464
6383	10.00005719	11.97468573	8.575332684	1.396410631	0.527062688	5.270596732
6385	8.496444531	10.51943162	7.065053051	1.488938801	0.701138268	8.252137295
6386	9.882008222	10.68206382	9.00713401	1.18595591	0.309882368	3.13582382
6387	7.774127835	9.517683151	5.175944301	1.838830288	0.667166626	8.581883918
6388	7.926323247	8.780737157	7.344860414	1.195494082	0.261965799	3.30501029
6389	8.400896335	9.014614282	7.663162263	1.176356962	0.249147644	2.96572692
6390	6.921506909	8.130389527	5.317590534	1.528961186	0.30478353	4.403427378
6391	7.542779276	8.406396101	6.892607173	1.219625011	0.246789025	3.27185797
6392	7.315615846	8.571417015	6.165375943	1.390250504	0.354447807	4.845085016
6396	8.638523006	9.51042592	7.76038569	1.22550944	0.288292746	3.337292097
6398	5.27518547	6.750929531	3.76452159	1.793303443	0.575575079	10.91099227
6400	6.610331252	7.071770096	5.914541572	1.195658194	0.225162812	3.40622585
6401	5.629670943	9.407593273	1.287849572	7.304885197	1.464803633	26.01934728
6402	5.822214823	10.79031062	3.421159108	3.153992634	1.695648696	29.12377416
6403	5.526645332	7.022315346	2.288385965	3.068676112	0.652551987	11.80737948
6404	5.414629387	7.178462554	3.552120049	2.020895256	0.660233799	12.19351782
6405	6.078200198	7.202419065	5.228824107	1.377445276	0.349059765	5.742814541
6406	3.498524312	7.590958223	1.010489513	7.512159327	0.609862383	17.43198929
6407	3.353017148	5.985974808	1.29066349	4.637905121	0.594871929	17.74139238
6414	8.286971148	9.045359673	7.024826456	1.287627492	0.356099618	4.297102176
6415	9.585061382	10.2153062	9.001973624	1.134785173	0.246535027	2.572075617
6416	7.04584421	7.901447385	6.28549808	1.257091687	0.288801483	4.098891131
6421	7.461916264	8.280772808	6.930589894	1.194815006	0.269369914	3.609929465
6422	5.696936271	7.651431749	4.440691262	1.723027182	0.680259658	11.94079811
6424	6.012416241	8.727101212	3.875103066	2.252095251	0.951747659	15.82970342
6429	6.573854584	7.943136006	5.787608984	1.37243826	0.350067596	5.325149681
6430	8.202195473	8.843230493	7.182329691	1.231248198	0.293458081	3.577799168
6431	8.027038777	9.065878514	7.19536482	1.259960925	0.426484385	5.313097351

6432	7.72468028	8.505805871	6.709047603	1.267811227	0.295179715	3.821254792
6433	6.013298057	6.64662337	5.034880174	1.320115502	0.253591743	4.217182335
6434	7.749316979	8.645670136	6.746027081	1.281594342	0.274502911	3.542285228
6439	5.816541357	9.335426079	3.941766284	2.368335768	1.152918505	19.82137553
6440	4.944877855	6.469379418	4.473715188	1.446086562	0.301852332	6.10434355
6441	6.461257956	8.140235407	5.706275324	1.426540948	0.513057685	7.940523172
6442	4.334307157	7.320876059	3.117991175	2.34794637	0.452892317	10.44901296
6443	6.090954842	6.882223836	4.987711764	1.379835917	0.31906429	5.238329599
6444	6.170366346	7.320349595	4.819478658	1.518909018	0.526701182	8.535979108
6445	3.865954054	6.24953427	1.285609152	4.861146375	0.560115279	14.48841014
6446	9.583890157	11.03770083	8.22098829	1.342624566	0.496379992	5.179316376
6450	6.815272277	8.348600207	5.358431211	1.558030677	0.534901658	7.848573555
6451	9.136517986	9.798377831	8.30684941	1.179554046	0.238720247	2.612814283
6452	5.215454988	5.91735642	3.703852368	1.597622106	0.31259974	5.99371945
6455	7.043470972	7.992388931	4.364093918	1.831397097	0.372215316	5.284543911
6456	5.273533453	8.278703046	3.351924642	2.469835671	1.035147526	19.62910703
6457	4.363427016	6.051053419	1.976151723	3.062038885	0.473033828	10.84087865
6462	4.848337169	6.314280201	3.602489053	1.752754861	0.327997899	6.765162726
6464	7.648898681	8.133965571	6.798742909	1.19639258	0.272812727	3.566692908
6472	6.445672387	7.902166925	4.838648467	1.633135157	0.401998494	6.236719302
6474	3.937116531	5.366795162	0.991539628	5.412587666	0.556978777	14.1468705
6478	6.47890235	7.843444007	4.566488476	1.717609504	0.448594504	6.923927534
6480	6.433999849	8.029806416	4.806268155	1.670694634	0.670853984	10.42670189
6482	7.484782843	8.66740708	6.348113251	1.365351678	0.439321455	5.869528406
6483	5.585438381	6.658675625	4.682801014	1.421942894	0.272969852	4.887169692
6484	4.979977008	5.943865612	2.933531607	2.026180866	0.361291933	7.25489159
6489	4.373686302	6.421428195	2.726308846	2.355356109	0.710196517	16.23793908
6490	5.008465455	7.284319775	3.158280168	2.306419756	0.432965849	8.644680742
6493	4.18567912	5.582803485	2.878172383	1.939704348	0.3118317	7.449966673
6495	4.543954295	5.771481337	3.099155922	1.862275239	0.425288097	9.35942726
6496	3.849329546	5.106213748	2.35118006	2.171766355	0.35930071	9.334111462
6498	5.47607471	6.194377669	4.210957125	1.471014186	0.283280784	5.17306281
6500	9.474935413	10.97711287	8.87553188	1.236783667	0.318242633	3.358784191
6502	5.027466705	6.265534946	4.098628599	1.528690584	0.316848769	6.302354406
6503	6.286295534	8.9683351	3.075217548	2.916325418	1.20590409	19.18306392
6504	4.519402757	6.629361787	3.475116654	1.907665971	0.648813243	14.35617222
6505	6.904237073	7.70480517	5.033316515	1.530761109	0.444063562	6.431754261
6506	4.190357783	5.288268694	3.646143449	1.450373187	0.272715674	6.508171574
6507	4.68586128	6.247260535	2.45762731	2.541988572	0.669793653	14.29392833
6508	4.620301263	6.8746408	3.359237499	2.046488467	0.422994438	9.155126773
6509	5.591381388	6.924513746	4.346786548	1.593019043	0.464042609	8.29924802
6510	5.259237092	6.515846868	2.570805764	2.534554325	0.603150075	11.46839483
6511	3.849272319	6.035201373	1.739648529	3.469207298	0.522230326	13.56698832
6513	5.527390878	6.583647785	4.23546649	1.554409131	0.334517021	6.051987783
6514	3.197411603	5.111359503	-2.066779911	-2.473102954	0.619808855	19.38470651
6517	4.11780658	5.894596905	2.23030352	2.642957271	0.462264206	11.22598152
6518	4.576897887	5.754060628	2.159336664	2.664735297	0.458721692	10.0225459

6520	7.620762428	9.119619874	6.861440519	1.329111554	0.325175008	4.26696162
6521	4.553125284	6.734925522	2.376878957	2.833516407	0.4519729	9.926651947
6522	6.021226011	7.936467207	4.19541219	1.891701422	0.508129962	8.438978392
6523	4.049995469	5.839050527	2.32434772	2.512124359	0.417010653	10.29657086
6525	5.60608078	6.626051264	3.682166702	1.799497904	0.335349527	5.98188896
6529	3.64649403	5.595167155	1.191160219	4.69724145	0.567388164	15.55982704
6530	4.073775588	5.485482125	3.207572239	1.710166355	0.251224302	6.166866498
6531	5.029492018	8.052963562	2.734695284	2.944738893	0.464296619	9.231481372
6533	5.077597066	6.447197866	3.633506019	1.774373796	0.327881132	6.457407463
6535	5.489483606	6.267255262	3.895926313	1.60866884	0.333869625	6.08198601
6536	4.572666302	6.734662082	2.888825384	2.331280429	0.489380682	10.70230474
6538	4.257503869	6.101159333	3.152755812	1.935182963	0.365042745	8.574102497
6539	5.212902411	6.508222163	3.792847711	1.715919715	0.494657255	9.48909486
6540	6.081758342	7.719165887	5.017305046	1.538508386	0.493394527	8.112695365
6541	5.541135957	6.669611513	4.281297654	1.557848123	0.334975779	6.045254653
6542	5.799307601	8.189860211	3.579898141	2.287735541	0.60190522	10.37891524
6543	4.592340314	7.832076594	2.656348497	2.94843715	0.56694817	12.34551734
6548	5.696961487	7.224303173	4.5821843	1.576606854	0.291745334	5.121069092
6554	4.020542787	5.842830605	1.559822285	3.745830959	0.452340994	11.25074445
6555	3.990478219	5.540943134	2.678573255	2.06861736	0.316268989	7.925591173
6558	6.328842179	7.153521297	5.621941289	1.272429029	0.297201671	4.695988027
6559	4.114078058	5.24758904	2.92750438	1.792512789	0.261526759	6.356874006
6560	5.646655164	6.568536792	4.782235716	1.373528446	0.260809218	4.618826735
6563	5.160569253	7.655687708	2.244107764	3.411461709	0.912663661	17.6853292
6564	4.072352727	6.135456608	1.956885653	3.135316875	0.409793723	10.06282488
6566	4.656409801	5.551468718	3.151710256	1.761414682	0.454981565	9.771080822
6567	7.625678178	8.582463596	5.28105507	1.625141848	0.484674559	6.355822365
6568	3.821069862	5.018288131	2.596656153	1.932596322	0.285247602	7.465123954
6574	7.140163556	8.549939248	4.979016632	1.717194354	0.70106872	9.818664724
6576	7.383369432	8.453505275	6.695941003	1.262482043	0.322819201	4.372247709
6578	8.449225768	9.619117907	7.155041643	1.344383218	0.532422364	6.301433743
6579	3.584672104	4.588702884	1.982617959	2.314466517	0.303328231	8.46181248
6580	4.290183536	6.943537185	1.048682131	6.621202915	0.611690906	14.2579193
6581	5.194912176	6.6345275	3.926259443	1.689783265	0.479254189	9.225453158
6582	3.872594274	6.311339249	1.414466741	4.461991977	0.540437713	13.95544369
6584	5.971215829	7.242638475	4.841376819	1.495987349	0.312382342	5.231469622
6585	4.577834022	7.343340064	2.952567984	2.487102788	0.654935662	14.3066712
6586	6.792291676	8.889810646	5.98569893	1.48517504	0.410285396	6.040456082
6588	4.779674156	8.548613864	3.268252124	2.61565312	0.705496695	14.76035126
6590	7.167025742	10.31754098	5.554292736	1.857579618	0.764581213	10.66804055
6591	6.754255113	8.817903076	4.408777044	2.000079157	0.727262927	10.76747791
6594	7.499966236	8.322363268	6.264041965	1.328593154	0.348180587	4.642428729
6595	7.033597179	7.569486991	6.05940882	1.249212129	0.255503425	3.632613849
6596	8.449687317	9.306750881	7.623150199	1.220853668	0.303625072	3.593329083
6597	6.555848192	7.456410811	5.862910941	1.271793293	0.255594048	3.898718215
6598	5.950651404	6.68652395	5.208773692	1.283704063	0.212221946	3.566364944
6599	7.378548308	7.868401178	6.721710666	1.170595042	0.25776648	3.493457917

6601	6.598038261	7.375480402	5.964157116	1.236634156	0.289227898	4.383543814
6602	6.276839271	7.503768341	5.69950143	1.316565744	0.257797476	4.107122474
6604	5.855551423	7.234264439	4.895507797	1.47773525	0.303168065	5.177446884
6607	6.736833882	7.556412741	5.318142524	1.420874432	0.431007059	6.397768848
6608	5.905833047	6.993766462	5.198213671	1.345417273	0.261341257	4.425137916
6609	6.139767192	7.391344041	5.198502179	1.421821861	0.256722338	4.181304118
6610	6.11687088	8.025298717	4.601091524	1.744216274	0.387850179	6.340663169
6611	8.489790299	9.426896942	7.75241951	1.215994172	0.326778832	3.849080133
6612	8.436195799	9.028251195	6.981675153	1.293135386	0.262813331	3.115306206
6616	4.323040982	5.23303296	2.871139859	1.822632549	0.351618913	8.133601184
6617	6.761080072	8.00136022	5.925618959	1.350299484	0.370453639	5.479207976
6618	5.807777298	7.969800813	4.857840924	1.640605557	0.389837551	6.712336427
6619	5.682157793	6.311340233	4.634419562	1.361840496	0.26048314	4.584229257
6620	4.462511676	7.078383486	2.968297231	2.384661284	0.408350136	9.150679386
6621	6.305100016	7.698704175	5.586764599	1.378025517	0.285545958	4.528809336
6622	5.828439243	7.070578466	2.556468935	2.765759587	0.4934813	8.466782949
6623	5.146071813	7.064291995	4.015192835	1.759390466	0.392291518	7.623125597
6625	6.995463802	8.372376891	5.737012233	1.459361868	0.303614539	4.340163105
6626	7.747882511	8.510838075	7.053505855	1.206611046	0.256531067	3.310982931
6627	6.79226213	8.024520901	6.133415755	1.308328217	0.288057696	4.240968485
6628	8.615071701	10.02209357	7.386985565	1.356723048	0.344473942	3.998503478
6629	7.193530139	7.692277393	5.71471223	1.346048074	0.225960944	3.141169071
6631	8.304127999	8.828892542	7.687050627	1.148540965	0.220628604	2.656854572
6632	7.106412692	8.032630522	6.233064978	1.288712784	0.329171956	4.632041092
6633	10.04590818	11.05658056	8.95525917	1.23464663	0.297917984	2.965565472
6634	8.605775137	10.28318457	7.722172149	1.331644047	0.319270572	3.709957173
6635	7.341633094	8.13428724	6.411790248	1.26864525	0.314181878	4.279454913
6636	7.969223885	8.628406741	7.404916041	1.165226816	0.273028233	3.426032916
6640	7.96421484	9.052272897	6.874753435	1.316741463	0.426036354	5.349382993
6641	6.320318394	7.38502847	5.111686484	1.444734236	0.354825599	5.614046269
6642	7.70882556	8.923692969	7.122960766	1.2528067	0.328124082	4.256473044
6643	8.025412331	8.987954046	7.369163323	1.219670898	0.31945774	3.980577277
6645	6.509373482	7.536597116	5.624295151	1.340007399	0.271765597	4.174988543
6647	10.46367516	11.08180048	10.02578526	1.105329926	0.218850205	2.091523313
6649	8.125503748	9.934490492	6.441953333	1.542154992	0.654593654	8.056037811
6651	8.424708392	9.713309271	7.342597326	1.322871028	0.266178131	3.159493696
6654	6.596966449	7.442157077	4.147487336	1.794377288	0.303372304	4.598663745
6655	5.974691537	6.767612172	4.583566746	1.476494736	0.305637593	5.115537613
6657	4.223796586	5.577029721	3.149321894	1.770866843	0.301952974	7.148852164
6658	4.871433177	6.647432342	3.480464117	1.909926986	0.453240022	9.304038571
6659	6.709214298	9.714813724	5.771105416	1.683354059	0.634721579	9.46044575
6662	8.229864819	10.13612825	7.081536418	1.431345919	0.554024615	6.731879898
6663	4.811243246	6.627247494	3.035825302	2.183013459	0.548041317	11.39084616
6664	3.98276071	5.36888061	1.205713154	4.452867244	0.620446461	15.57830124
6666	5.435721677	6.963604249	4.332815227	1.607177755	0.357599236	6.578689221
6667	6.5489871	7.176296522	5.628625044	1.274964395	0.285075816	4.352975691
6668	5.238406089	6.53998645	4.4098919	1.483026477	0.279200944	5.32988355

6670	6.556574632	7.965612118	5.816808984	1.369412704	0.237667416	3.624871658
6671	6.368865954	8.706382897	4.840192377	1.798767945	0.3817652	5.994241407
6672	6.165722192	6.890519257	5.382018308	1.280285362	0.292900558	4.750466356
6674	5.231084408	7.524259063	3.563247019	2.111629933	0.619555813	11.84373573
6675	7.67719397	9.467598478	6.606717998	1.433025972	0.401810832	5.233824154
6677	3.599123464	4.853860997	2.611109518	1.858926623	0.272205133	7.563095176
6678	10.18147134	11.10076566	9.416650286	1.178844422	0.364260389	3.577679262
6683	6.344624454	7.078270732	5.708184662	1.240021329	0.269197674	4.242925273
6688	4.327196319	6.848896305	2.771714664	2.470996164	0.58226766	13.45600284
6690	3.710258217	4.748191226	2.362536132	2.009785655	0.313131721	8.439620701
6691	4.585556808	7.616555337	1.880330059	4.050648077	0.834654734	18.20181864
6692	6.356050931	7.851414855	5.440855404	1.44304788	0.482356595	7.58893534
6694	4.124925778	6.166582348	-1.377413439	-4.476929128	0.785898411	19.05242551
6695	6.36795873	8.310887912	4.409735885	1.884667955	0.594232594	9.331602467
6696	5.635991023	9.822793024	2.519931785	3.898039257	1.270419913	22.54119831
6697	7.199720493	7.805727148	6.509370476	1.199152388	0.245190039	3.405549411
6699	3.872278067	5.511578483	0.184332831	29.90014563	0.648728828	16.7531571
6708	3.785771206	5.332501942	-0.046526094	-114.6131437	0.619313467	16.3589777
6709	6.767592011	7.577059718	6.097912815	1.242566096	0.257048845	3.798231996
6711	6.417728494	7.06112355	5.483605725	1.287678929	0.245399018	3.82376752
6712	4.620851161	7.896063967	2.397988949	3.292785804	0.649605318	14.05813118
6713	5.619706266	6.334896536	4.429781441	1.430069772	0.308821725	5.495335697
6714	4.764364046	6.32718322	3.953307944	1.60047821	0.272774466	5.725306957
6715	5.281357185	6.355999489	4.112492845	1.54553448	0.331488996	6.276587326
6716	4.210777655	6.586716417	1.83996793	3.579799576	0.572485661	13.59572288
6717	8.023573814	8.655242375	7.497961593	1.154346054	0.239108138	2.980070275
6720	5.899394711	6.687065382	4.658262556	1.435527796	0.300634171	5.096017232
6721	6.156169822	7.125581278	4.996223509	1.426193457	0.264209042	4.291776373
6723	7.05541323	7.984597125	5.77865375	1.381740016	0.437348992	6.198772179
6727	10.71663817	11.42157768	10.13665708	1.126759798	0.190280689	1.775563251
6729	8.107007012	8.803137214	7.579641655	1.161418655	0.238513085	2.94206092
6731	7.518014967	7.985168931	6.909420786	1.155692956	0.205960626	2.739561264
6732	6.546712647	7.049980009	5.903560354	1.194191232	0.203955986	3.115395417
6733	6.300764546	6.68786834	5.622912899	1.189395685	0.187662758	2.978412484
6734	7.829885637	8.665679325	5.618454234	1.542360045	0.419637087	5.359428049
6737	6.513446802	7.646039303	5.539280466	1.380330776	0.329179274	5.053841441
6738	7.096761818	7.600558639	6.489773792	1.171159255	0.201785073	2.843340081
6741	8.49144522	9.456013795	7.032281585	1.344658015	0.344618401	4.058418705
6742	6.860531377	7.541174014	5.117774326	1.473526094	0.274491465	4.001023391
6744	7.230071183	8.254308627	5.932661377	1.391333181	0.416543871	5.761269297
6745	8.227348471	8.871074339	7.818256262	1.134661495	0.213932329	2.600258508
6746	9.464913763	10.19259854	8.406837924	1.212417634	0.317914969	3.35887866
6748	10.15162585	11.08535984	9.046416112	1.225386904	0.368072926	3.62575347
6750	4.380398379	8.585785813	1.899297975	4.520504906	0.901947307	20.59053148
6756	4.583039532	7.271344926	2.749072788	2.645017243	0.507598867	11.07559435
6760	6.672235051	7.370099501	5.829022351	1.264380038	0.302108824	4.527850445
6764	7.773381055	8.72060824	6.611501023	1.319005807	0.390196354	5.019647836

6768	6.421752752	8.163183805	5.227758007	1.56150759	0.414163899	6.449390301
6769	4.795120527	5.868406008	2.57538784	2.27864942	0.447480673	9.332000532
6770	3.935990026	6.332995274	1.937049578	3.26940278	0.538524708	13.68206486
6772	7.095519812	10.01916959	5.843128353	1.71469271	0.857390738	12.08355076
6773	6.456455154	7.446439419	5.441114651	1.368550361	0.270735485	4.193252775
6774	7.78186199	8.897877702	6.847171408	1.299496854	0.30964369	3.979043711
6775	5.417739455	7.956963983	4.21019579	1.889927305	0.865437417	15.97414244
6777	6.281559191	7.186558086	4.960429133	1.448777493	0.280572903	4.466612424
6778	7.161422754	8.468663811	5.94835667	1.423698053	0.40901121	5.711312185
6781	7.4253357	9.33773186	5.77035447	1.618225	0.681091109	9.172529519
6782	7.085714851	8.313764692	6.053530482	1.373374548	0.398956491	5.630433898
6786	6.344897549	7.931696643	5.681878648	1.395963753	0.327329335	5.158938066
6787	6.588782002	7.25133581	5.667303799	1.279503635	0.286459345	4.347682847
6788	5.995951326	6.84710154	4.330024985	1.581307628	0.344172968	5.740089427
6789	5.539219527	6.96947275	4.197678619	1.660315947	0.43008694	7.764396013
6790	4.757054438	6.838552932	2.905712396	2.353485823	0.615399373	12.9365636
6792	5.224524816	6.473729072	3.943372648	1.641673169	0.32320242	6.186254855
6793	5.619196109	7.480442856	3.580669641	2.089118407	0.673835583	11.99167229
6795	4.87144655	9.842787736	3.506739553	2.806820292	0.575598606	11.81576354
6804	5.074692536	5.67695153	2.980507124	1.904693159	0.399959936	7.881461454
6809	5.7175822	7.069494032	4.935371515	1.432413752	0.317339518	5.55023972
6810	6.964295795	7.453272868	5.988466888	1.244604505	0.252413821	3.624398336
6811	6.66683212	8.215164946	1.390916137	5.906297819	0.653571042	9.803322327
6812	7.716062449	8.469636041	6.328619389	1.338307065	0.35398196	4.587598433
6814	6.889873336	7.731901434	6.101408192	1.267232283	0.291111591	4.22520962
6819	6.619259604	8.782286574	5.271984976	1.665840592	0.632711413	9.558643272
6820	4.88122522	7.181550976	2.557360119	2.808189165	0.481869654	9.871899616
6821	6.725816773	7.623176778	5.891391268	1.293951875	0.29727571	4.419919842
6827	8.043398256	8.650314348	7.526678178	1.149287128	0.236688163	2.94263886
6830	6.217715406	7.036344681	5.410058542	1.300604166	0.282866554	4.549364765
6832	6.879277621	7.446644613	6.137518085	1.213299009	0.26023615	3.782899373
6833	5.022241934	7.027657121	3.7764829	1.860900024	0.474856762	9.455075403
6834	7.735184023	8.97666337	7.202547498	1.24631783	0.287726893	3.719716201
6835	6.215432782	7.672343995	4.123375487	1.860694962	0.349182262	5.617987899
6837	6.532891845	7.338503977	5.691227665	1.289441296	0.290766802	4.45081304
6840	6.656676844	7.723613848	5.80330621	1.330898899	0.350413561	5.264091524
6843	5.710677702	7.413239808	4.671959538	1.586751715	0.464274298	8.12993348
6844	6.923594972	7.590425195	5.893870422	1.287850708	0.343803795	4.965683238
6845	8.331222953	8.986424688	7.641372976	1.176022256	0.230860356	2.771026026
6847	3.532517694	5.588510163	1.70458936	3.278508182	0.478251015	13.53853134
6850	7.301327359	8.177954041	6.034754054	1.355142889	0.340004635	4.656751002
6853	5.084875605	6.152593421	4.120966875	1.492997543	0.324990683	6.391320226
6854	4.172263029	5.731109896	2.546101693	2.250935189	0.368652466	8.83579159
6855	4.782648562	6.84623456	3.381676674	2.024508911	0.450727356	9.424220713
6856	9.140966604	9.958867572	8.495943194	1.172190932	0.272242375	2.978266819
6857	4.093550475	5.65438719	1.595221241	3.544578673	0.56977812	13.91892256
6861	4.250744974	6.614161801	2.340566776	2.82588041	0.457534409	10.76362877

6862	4.83146859	6.113380484	2.932351713	2.084804649	0.338879785	7.014011958
6863	4.15019839	8.371620289	-0.722835797	-11.58163489	1.121640839	27.0261981
6865	4.466592935	5.723259042	2.843046335	2.013072728	0.429200508	9.609125224
6868	6.623072255	7.293287413	5.80832312	1.255661447	0.234771843	3.544757386
6872	5.935145842	6.639360571	4.886671533	1.35866725	0.245819024	4.141752034
6873	7.008268739	7.579370683	6.069523314	1.248758805	0.208922539	2.981086298
6877	5.986160901	6.853723283	5.165082901	1.326933839	0.332769901	5.558986904
6879	9.144112443	9.621133755	8.594504562	1.119451818	0.214135957	2.341790502
6881	7.045868463	8.179581548	6.502868621	1.257842042	0.206634748	2.932708005
6882	6.708156543	7.4885149	5.929813238	1.262858475	0.237146947	3.535202937
6883	6.702373182	7.630968578	5.855216096	1.303277019	0.331882692	4.951719078
6884	6.06368498	7.482674713	4.030577299	1.856477164	0.483515363	7.973952553
6885	7.064445992	7.730545125	6.258746016	1.235158785	0.219110266	3.101591642
6886	5.258870532	6.150269604	4.486661778	1.370789667	0.266164571	5.061249729
6888	9.322960005	10.68367048	8.666760288	1.232717893	0.299225519	3.209554898
6890	7.576803325	10.49731444	5.448720984	1.926564871	0.982170944	12.96286708
6891	5.508867885	7.451527635	3.982602557	1.871019648	0.563070491	10.22116527
6894	7.047434619	7.997731517	6.263027344	1.276975347	0.270709775	3.841252735
6895	6.23615636	7.300496189	4.317937863	1.690736741	0.334968933	5.371400486
6897	6.671095452	7.411552403	5.111496302	1.449977064	0.348376137	5.222172868
6898	4.156896514	5.753346149	2.988746142	1.925003287	0.294130674	7.07572761
6899	4.635378515	5.694197498	3.827627176	1.487657297	0.300128649	6.474738748
6900	4.577720137	5.512942044	3.459449335	1.593589473	0.251488407	5.493747975
6901	5.777055744	7.540123567	3.740019972	2.016065054	0.40325812	6.980339774
6902	9.790710115	10.40872062	9.231472511	1.127525495	0.238561957	2.436615472
6903	7.283625822	8.098947102	6.731826221	1.203083211	0.244327291	3.354473408
6905	7.524410624	8.142572589	6.507092966	1.251337983	0.34404857	4.572432145
6906	3.782851921	6.577090432	1.597344613	4.117515017	0.535969572	14.16839948
6907	6.27387342	6.962035418	5.198543726	1.33922802	0.297352567	4.739537241
6908	7.136086926	7.601316509	6.298933637	1.206762438	0.2043053	2.862987832
6909	5.601771661	6.823798973	4.06926924	1.67691017	0.366205783	6.537320777
6916	4.744534546	5.767248735	2.926052546	1.970999715	0.46670945	9.836780511
6917	7.014369416	8.214932813	5.867522734	1.40006834	0.250850428	3.576236333
6919	6.35571487	7.315661561	5.796254625	1.262135989	0.255735676	4.023712221
6921	8.104626632	8.910873347	7.368887289	1.209256296	0.317068512	3.912191469
6923	8.609833688	9.315634472	7.542720363	1.235049693	0.258990967	3.008083268
6924	6.14212799	7.511608726	5.130063611	1.464233057	0.251947773	4.10196227
6925	8.160009381	8.972574	6.818492849	1.315917491	0.352311139	4.317533507
6928	4.536106406	6.922894831	3.19532308	2.16657116	0.407402218	8.981319705
6929	5.867344456	6.694237182	3.900959548	1.716048859	0.29803168	5.079498612
6932	6.013586354	8.089179976	4.693524765	1.723476573	0.529555881	8.805991126
6934	6.977514882	7.735269602	6.128834067	1.262111116	0.340907978	4.885807972
6935	6.293666511	7.387037033	2.82584151	2.614101678	0.565986736	8.99295721
6936	6.090002097	6.753274652	5.366650629	1.258377919	0.275757858	4.528042087
6938	6.173041296	7.098559054	5.474369487	1.296689796	0.213105899	3.45220271
6939	4.749360526	7.652954159	2.945576699	2.598117428	0.554449829	11.67419964
6940	6.470858928	7.238085635	5.060628427	1.430274074	0.301566952	4.660385209

6942	6.383320127	7.053594719	4.917291827	1.434447043	0.235244535	3.685300602
6944	7.307969339	7.859969829	6.210099015	1.265675444	0.267304897	3.657717822
6947	3.965487868	8.385570995	0.982478781	8.535116642	0.896662356	22.61165299
6948	6.782235214	7.524884737	5.761198583	1.306131811	0.320051232	4.718963915
6949	5.510919635	6.417905142	4.612894187	1.391296848	0.250790825	4.550798087
6988	7.951488171	8.723069676	7.108820401	1.227076953	0.313899734	3.947685353
6990	8.544880056	9.241109468	7.433733821	1.243131607	0.350276874	4.099260274
6992	6.971709311	7.615462272	6.310132014	1.206862591	0.202065341	2.898361537
6993	9.954644103	10.8524729	9.139656741	1.187404868	0.403240861	4.050781293
6999	3.817562494	5.82618001	1.395399983	4.175275965	0.729105728	19.0987241
7001	7.629927067	8.449815927	7.136433802	1.184038998	0.204571623	2.681174024
7003	6.045106335	7.409274096	4.086148675	1.81326591	0.410039135	6.782992924
7004	6.584640794	7.523808649	4.956377507	1.518005567	0.445134192	6.760189441
7005	5.858933273	6.715753722	4.805897276	1.397398516	0.310760049	5.304038031
7006	4.474108958	7.594596411	3.599570844	2.109861631	0.383107299	8.562761941
7010	6.262951947	7.795367762	5.447190593	1.431080413	0.387348884	6.184765385
7011	5.420171253	7.036110784	3.647505774	1.92901978	0.482332484	8.898842152
7013	7.414344281	8.410029042	6.960248738	1.208294324	0.227559224	3.069175303
7014	5.829178605	7.860705976	4.324952647	1.817524171	0.311050743	5.336099025
7015	4.697740946	6.262728882	3.561302339	1.758550184	0.32250407	6.865088416
7016	7.024407802	8.002563348	5.645035658	1.417628485	0.307392011	4.376055891
7018	4.230432543	6.056673777	2.540636068	2.383920252	0.435861801	10.30300794
7019	6.35218788	7.319582409	5.556840802	1.317220102	0.303904253	4.78424534
7020	4.162410443	6.237415786	2.09133585	2.982503162	0.357647059	8.592306394
7021	3.702329865	5.469780054	1.235080056	4.428684626	0.430655491	11.632013
7022	5.293334826	6.551215657	4.11787243	1.590922441	0.448439415	8.471774968
7023	5.423504439	6.629277064	3.128736333	2.118835325	0.395887222	7.299472634
7024	6.805417404	7.240556803	6.260267643	1.156589018	0.209460001	3.077842081
7025	6.875264391	8.332543412	5.000959272	1.666189017	0.56447292	8.210199462
7026	6.50661317	7.070783659	5.468727933	1.292948515	0.284557521	4.373358509
7027	6.783889007	7.420799536	5.569481906	1.332403922	0.242495171	3.574574572
7029	6.615989822	7.529453845	5.817077175	1.29437063	0.342520838	5.177166943
7030	5.86490767	6.698384025	5.156125574	1.299111887	0.252510599	4.305448828
7031	4.535197334	6.370513613	2.397956036	2.656643207	0.432959212	9.54664549
7033	10.60170474	12.35546976	8.631504985	1.43143864	0.790627553	7.457551142
7035	6.153029192	7.542680036	4.423499221	1.705138773	0.667043935	10.84090314
7036	4.431799209	5.713878421	2.897186928	1.972216002	0.349818966	7.893384819
7037	6.384708566	7.316597193	4.980764284	1.46897078	0.420352779	6.583742628
7038	12.81482626	16.17106686	11.68281036	1.384176097	0.818049668	6.383618874
7039	5.086525215	6.12528159	4.197474909	1.459277714	0.357810356	7.034475223
7040	5.141399887	6.512250272	3.049757802	2.135333589	0.574539977	11.1747771
7041	7.359155539	8.285689422	5.50368031	1.505481597	0.482296824	6.553697933
7042	4.849943173	6.639537494	3.260024387	2.036652707	0.403091901	8.31127059
7043	5.41913911	6.53114195	3.903945595	1.672959264	0.396009397	7.307607141
7045	7.697178758	9.612904952	5.743381104	1.673736215	0.773002903	10.04267833
7046	5.679308918	6.587905247	4.634982174	1.421344247	0.32835396	5.781583026
7047	4.208214095	5.82004617	1.849449813	3.146906787	0.395140128	9.389734431

7048	7.316667649	8.267869847	5.975049208	1.383732512	0.461106658	6.302140262
7049	7.399517884	8.684520058	6.353273475	1.366936288	0.457463286	6.182339083
7051	4.610653395	7.342793601	3.652086748	2.010574805	0.450002228	9.760053273
7052	5.447830645	6.412384677	3.683615255	1.740785677	0.471410733	8.653182587
7053	4.411936687	5.851836492	2.572216158	2.275017391	0.423907219	9.608189075
7054	3.967738061	5.812314681	1.829129942	3.177639022	0.525113084	13.23457033
7056	7.028035535	9.001042749	4.938461471	1.82264108	0.543919566	7.739283093
7057	5.31267869	7.226411285	3.328305051	2.171198605	0.604077529	11.37048868
7058	7.04342008	9.310459139	5.028339751	1.851597068	0.721213942	10.23954178
7059	6.380216378	7.034460677	4.668284444	1.506862052	0.31241417	4.896607762
7060	5.78729441	7.25608981	4.642614567	1.562931771	0.40788694	7.047972867
7064	6.08087074	6.96021102	4.800708665	1.449829912	0.344206233	5.660476063
7066	3.853488024	4.965312715	2.155232489	2.303840881	0.278540202	7.228261771
7068	5.284411057	6.454698809	3.972015368	1.625043765	0.376449984	7.123783139
7070	7.234665034	8.252878001	6.000912899	1.37527042	0.404501597	5.591158613
7071	8.894235599	10.4907856	5.7783252	1.815540877	0.577839899	6.496791007
7072	6.625874211	7.539474853	5.891868607	1.279640697	0.285944794	4.315578371
7073	6.850502514	7.592272789	6.327584468	1.199869054	0.179181206	2.615592148
7074	5.649968982	7.967674344	3.43418243	2.320108062	0.623901026	11.04255666
7075	5.319910891	6.033822402	4.281097134	1.409410302	0.314925241	5.919746539
7076	8.876364813	10.87451765	7.049205895	1.542658536	0.758576874	8.546030836
7077	8.14696431	9.127782491	6.41068929	1.423837918	0.432559761	5.309459378
7078	9.16405555	10.50193225	7.551956417	1.390624054	0.551759464	6.0209092
7082	7.86006338	8.878585632	6.680529337	1.329024271	0.38621177	4.913596125
7083	5.048675831	7.606349574	2.299601013	3.307682303	0.74978027	14.85102817
7084	6.300852273	6.653742767	5.597762817	1.188643211	0.203610963	3.231482884
7086	8.080976658	9.532016188	7.350476381	1.296788901	0.350880632	4.342057237
7087	4.351517206	6.164847368	2.345118364	2.628800091	0.533954759	12.27054228
7088	6.417442923	7.350156563	5.156953146	1.425290546	0.323664484	5.04351169
7089	7.646216436	8.908343768	6.04157795	1.474506138	0.523174201	6.842262517
7090	6.19243883	7.184246973	5.409799607	1.328006117	0.344390276	5.561464312
7091	5.383431839	6.745554967	4.086723311	1.650602317	0.430410437	7.995094012
7093	3.926346853	5.193465888	2.265770632	2.292141056	0.418697852	10.66380195
7094	6.285008037	6.894667738	4.840590294	1.424344413	0.243168962	3.869031831
7095	8.619367454	9.400753712	7.683001822	1.223578222	0.302442991	3.508876872
7096	4.542415669	7.300101062	2.522298956	2.894225145	0.976073442	21.48798158
7097	5.727693842	7.589918833	2.513823313	3.01927299	0.709433075	12.38601599
7098	5.790715663	6.752495457	4.844807093	1.393759406	0.327178459	5.650052216
7100	5.880100223	6.598601456	4.969555347	1.327805205	0.347229311	5.905159735
7101	3.86304367	6.912629641	1.965603208	3.516798107	0.554600839	14.356577
7102	8.080792584	9.382146794	6.624202025	1.416343698	0.519149888	6.424492181
7103	5.483530415	8.012039033	2.844882822	2.816298433	0.938240485	17.11015376
7104	4.256790674	7.877500043	3.022002988	2.606714843	0.653650428	15.35547501
7106	7.671808771	8.643719527	6.536217334	1.322434534	0.338055913	4.406469489
7107	7.521187992	8.206973063	6.489047759	1.264742281	0.348295473	4.630857163
7108	7.132162987	8.760050781	5.460025378	1.604397448	0.5022126	7.041518831
7109	5.640690862	7.058152847	4.452479155	1.585218617	0.451528379	8.004841788

7110	6.810445831	7.781567556	6.183422896	1.258456309	0.264814309	3.888354973
7112	5.493735156	6.954682451	4.410591569	1.576813981	0.38009769	6.918747974
7113	5.325135223	7.696641291	4.535474357	1.696987059	0.47335034	8.888982537
7122	7.725386586	9.670840266	6.170663791	1.567228518	0.507772177	6.572773685
7124	4.620025941	6.918145436	2.90426606	2.382063245	0.558951315	12.09844538
7126	7.160736073	7.93328645	6.11189916	1.298006764	0.261134519	3.646755249
7127	5.837170685	7.393910205	4.456892372	1.658983342	0.483406234	8.281516159
7128	6.932331299	9.353395387	4.461959266	2.096252975	1.010367992	14.57472167
7130	4.672975211	7.185373202	1.207274647	5.951730387	0.854900587	18.29456712
7132	8.005038464	9.190801188	7.104558329	1.293648495	0.341187986	4.26216548
7133	6.288061677	8.465929409	4.485711908	1.887310104	0.798801373	12.70345958
7135	4.229616136	7.960348747	3.079666514	2.584808683	0.605584995	14.31772945
7136	4.119410481	7.121357274	2.998522357	2.374955537	0.57348911	13.92163061
7138	4.396970666	7.559423755	2.064753043	3.661175743	0.634434028	14.42888926
7139	4.196440863	6.152478478	2.788796264	2.20614125	0.398821262	9.503797987
7140	5.096656114	7.948506601	2.379008503	3.341100543	0.571367884	11.21064226
7142	3.742493451	5.45194333	1.777956626	3.066409636	0.397902362	10.63201225
7150	7.871634671	9.479907241	6.784530824	1.397282655	0.532965539	6.770709784
7155	9.147799648	9.650428686	8.376674107	1.152059703	0.211593019	2.313048238
7156	5.37263508	6.778933047	4.682147536	1.447825596	0.223401014	4.158127451
7157	6.185405393	7.552119259	4.726523915	1.597816788	0.397772585	6.430824808
7158	6.20860552	7.010195214	5.641622996	1.242584841	0.224074811	3.609100471
7159	8.238288695	10.43497806	7.424375716	1.405502424	0.458327252	5.563379344
7162	6.676562871	7.53475472	5.151350258	1.462675676	0.406738134	6.092028814
7163	7.505322316	8.65757287	6.603215364	1.311114721	0.400779316	5.339934768
7165	7.673024254	8.220493414	6.585293978	1.248310773	0.263504647	3.434169344
7167	8.577216972	9.336243825	7.776472394	1.200575705	0.268199405	3.126881429
7168	7.244237986	7.897935481	5.685436861	1.389151911	0.363675951	5.020209872
7169	5.576449069	6.828480443	4.597911885	1.485126426	0.313633964	5.62425946
7171	5.758699189	6.58946129	3.720128972	1.771299151	0.464917795	8.07331273
7172	7.504567098	9.23048579	6.623719318	1.393550262	0.367623988	4.898670147
7174	6.071378981	6.618765437	4.693075061	1.410325927	0.256461774	4.224110784
7175	7.0297523	7.834008966	5.777287075	1.356001332	0.388789112	5.530623209
7180	3.325061508	5.481509398	1.881124158	2.913954071	0.393031215	11.82026902
7181	5.90846057	6.5645627	5.132536657	1.279009414	0.24307572	4.114027961
7182	6.51646242	7.037035511	4.883872512	1.440872073	0.235388754	3.612216864
7185	4.879306874	6.530169555	2.258573344	2.891280716	0.543593242	11.14078814
7186	5.576323269	7.317159021	3.509511365	2.08495094	0.459878967	8.246992602
7187	5.920206891	6.762717025	4.889775381	1.383032246	0.322385351	5.445508181
7188	4.535128741	6.462926185	3.084464864	2.095315223	0.635284134	14.00807276
7189	6.359691886	7.052889385	5.475483354	1.288085257	0.226477959	3.561146714
7200	4.716243556	6.4723061	3.473688536	1.863237315	0.390115168	8.271734978
7204	5.080376779	5.732205076	4.121296646	1.390874176	0.262573183	5.168380118
7220	6.339185433	7.241879451	5.137451043	1.409625005	0.398601283	6.287894363
7222	3.669993199	5.75099414	2.262110723	2.542313283	0.372531082	10.1507295
7225	5.923755192	7.954942236	4.609236464	1.725869848	0.547325136	9.239496202
7226	5.039719591	6.123132876	3.562330122	1.718856104	0.381238996	7.564686666

7247	7.388131853	7.929797081	6.299199185	1.258857967	0.247897175	3.35534313
7248	7.462029604	8.102518912	6.507057112	1.245189457	0.296608821	3.974908119
7249	6.350432362	7.975628307	4.858006986	1.64174904	0.34610459	5.450094894
7251	8.628070752	9.047543138	7.935366727	1.140154381	0.200461944	2.323369264
7253	9.491645087	12.09707538	7.874556677	1.536223039	0.890754081	9.384612183
7262	5.365349484	6.875456546	4.151774348	1.656028476	0.386872685	7.210577541
7263	7.557156596	8.47742098	6.194617428	1.368514049	0.377592238	4.99648556
7264	7.228142283	8.35578982	5.708998469	1.463617457	0.325366529	4.501385234
7265	7.842208694	8.688378054	6.790171699	1.279552041	0.256630176	3.272422171
7272	4.044733742	7.688511901	0.269190282	28.56162508	0.956220198	23.64111605
7273	4.285559182	6.715212942	2.915084676	2.303608193	0.414440115	9.670619333
7276	4.614582564	6.976256173	2.6157866	2.666982152	0.560882725	12.15457123
7277	7.193927659	9.259728964	6.07375132	1.524548582	0.621927715	8.645176101
7283	6.973200094	7.672829739	5.711019116	1.34351323	0.300289122	4.306331642
7284	7.666733696	8.419655244	7.070960596	1.190737118	0.221578042	2.890123101
7287	4.435793522	6.076415685	2.463735944	2.466342101	0.458295901	10.33176813
7288	4.044589325	6.070204276	2.000474865	3.034381677	0.460223608	11.37874753
7289	6.692491744	7.395961739	5.123331003	1.4435846	0.309968495	4.63158577
7290	6.926959645	8.145259237	5.559981382	1.464979588	0.459929878	6.639707767
7291	5.561786386	6.912829553	3.311134706	2.087752438	0.58944242	10.59807728
7292	4.724759072	6.536944774	3.06978131	2.129449662	0.55302319	11.70479132
7294	4.175758222	7.35653171	0.726577908	10.1249042	0.826116202	19.78362152
7297	7.641796123	8.360891952	7.060803986	1.184127469	0.272395495	3.564548053
7298	5.009632907	7.489704926	3.436239991	2.179622187	0.683246229	13.63864861
7299	3.558560704	4.755004773	-2.305445321	-2.062510323	0.649217891	18.24383353
7305	7.401316087	10.43609151	5.613870287	1.85898337	1.113323375	15.04223522
7306	3.297452399	5.142417752	0.049636628	103.601271	0.618687001	18.76257565
7307	7.391874161	8.213550202	6.649517978	1.235209865	0.293108315	3.965277397
7314	11.93310094	12.78986245	11.37744918	1.12414147	0.179153656	1.501316856
7316	11.36907243	12.01955585	10.75899577	1.117163359	0.201382896	1.771322135
7317	7.345646279	8.231877385	6.157025546	1.336989318	0.277042447	3.771519021
7319	8.051145947	8.860301606	7.207346469	1.229343094	0.284461035	3.53317449
7320	6.635264845	7.257135308	6.230917596	1.164697686	0.204165587	3.076977214
7321	5.705747829	6.324405024	3.828041193	1.652125645	0.322907333	5.659334111
7322	8.021430147	8.608825173	7.293795425	1.180294301	0.207557134	2.587532773
7323	7.965884301	8.550611756	7.464665808	1.145478174	0.195350593	2.452340328
7326	7.443519548	8.37155592	6.822462755	1.227057768	0.260899567	3.505056515
7327	6.834240816	7.458417187	6.14880227	1.212986995	0.206471742	3.021136473
7329	6.393854424	7.173570251	6.069280858	1.181947321	0.19489559	3.048170584
7332	7.742933154	8.283215835	7.175181087	1.154426033	0.201444102	2.601651052
7334	8.090898648	9.276862366	6.895592711	1.345332121	0.305996403	3.781982893
7336	6.711011921	7.423097606	6.125417382	1.211851723	0.265862454	3.961585183
7337	6.540365189	7.121324336	5.8714504	1.212873115	0.179524818	2.744874532
7341	8.195458364	9.071532239	7.543968087	1.202488151	0.266828156	3.255805157
7345	5.566375874	6.918080197	4.099272838	1.687635947	0.415096634	7.457215318
7347	8.616675459	9.797911476	7.450884816	1.314999724	0.39153446	4.5439156
7348	4.126576355	5.794586244	1.615546133	3.586766187	0.494267061	11.97765455

7351	8.183691219	9.675628799	6.616746955	1.462293913	0.651150459	7.956684108
7352	4.69209914	6.80210256	2.705626675	2.514058064	0.436807611	9.309428429
7353	8.245111457	8.804390072	7.652143649	1.150578253	0.218513297	2.650216412
7355	5.749152008	6.329364423	4.763615256	1.328689259	0.232546659	4.04488624
7356	4.252220583	6.93277478	2.64022243	2.625829816	0.579679117	13.63238584
7357	6.710639383	8.701855577	5.058740352	1.720162525	0.700214015	10.43438598
7358	7.863395558	8.730634599	5.946161385	1.4682808	0.383830632	4.881232653
7360	7.57737119	8.277620001	6.849992269	1.208413043	0.237938141	3.14011463
7363	2.95762148	6.862258615	-0.179154283	-38.30362577	0.749941212	25.35622685
7367	3.355567367	5.615805269	0.349854964	16.05180958	0.669022536	19.93768751
7368	5.899835606	7.415918266	4.704006591	1.576511028	0.554729516	9.402457176
7369	4.064133062	6.505424086	2.236027493	2.90936677	0.452948638	11.14502482
7372	5.871559373	6.711642289	5.207223879	1.288909877	0.199415924	3.396302603
7373	6.471606845	8.430302021	5.449898382	1.54687325	0.502710092	7.767933126
7374	7.668628457	8.324451828	5.490561394	1.516138557	0.416747194	5.434442373
7376	6.739547561	7.552806508	5.775960864	1.307627715	0.35946302	5.333637265
7378	5.935735288	8.353887934	4.620395277	1.808046159	0.53572304	9.025386306
7381	8.025129711	8.807066071	7.335799843	1.200559756	0.293640694	3.659014921
7385	7.946679245	8.57188543	7.432431572	1.153308355	0.21690745	2.729535734
7386	9.411688763	10.19980783	8.530638438	1.195667581	0.265018983	2.815849413
7389	7.36491949	7.863719526	6.12183803	1.284535704	0.227874142	3.094047972
7390	6.507424981	7.154929412	5.256987717	1.361032172	0.250508878	3.849585345
7392	7.746581025	8.096754506	7.167028555	1.129722652	0.192947672	2.490746193
7398	7.602361349	8.785000054	6.563680367	1.338425938	0.394984581	5.195551262
7399	3.318206061	5.948579654	-0.010768144	-552.4238596	0.615444806	18.54751617
7402	7.340210037	8.241605342	5.60935734	1.469260174	0.445045234	6.063113069
7403	6.079619799	7.850677441	5.266354296	1.490723373	0.382211709	6.286769928
7404	4.564782168	7.963743562	1.909757929	4.170027751	0.841898775	18.44335051
7405	6.949704902	8.107694236	6.230103689	1.301373884	0.313830874	4.515743884
7407	5.821678107	6.966378591	5.045415948	1.380734247	0.327905582	5.632492484
7408	6.416522334	7.416654497	5.470204333	1.355827689	0.421676812	6.571734497
7409	4.927533882	7.423780661	2.889885795	2.56888375	0.878513489	17.82866461
7410	6.158715192	7.426394611	5.427528078	1.368283039	0.255275104	4.14494089
7412	6.862498531	10.29751898	3.928176466	2.621450199	1.281559029	18.67481681
7414	6.878498038	7.72539505	5.397350473	1.431331	0.3262579	4.743156104
7415	7.929932816	8.740354451	7.010949295	1.246672039	0.26417442	3.331357608
7417	9.422102245	10.09355034	8.964017845	1.12600739	0.182985772	1.94209071
7419	8.740608011	9.617878312	7.135622043	1.347868238	0.324084287	3.707800262
7421	5.219637508	6.23342146	4.011546807	1.553869806	0.372601541	7.138456261
7422	8.535209319	9.283460024	7.184070875	1.292228346	0.414996744	4.862174179
7423	7.034248798	8.339487745	5.209983645	1.600674457	0.38924118	5.533514537
7424	8.751243253	9.598077507	7.448861183	1.288529518	0.442053484	5.051322092
7428	5.603257371	6.662615556	4.228621595	1.575599851	0.34252617	6.112982998
7429	4.130535339	5.57609873	2.972768904	1.875725598	0.289850645	7.017265825
7430	8.122216522	9.278627776	7.067362686	1.312884054	0.404533615	4.980581516
7431	10.12998431	11.44692022	9.028382376	1.267881637	0.409915122	4.046552389
7432	3.946823116	6.558559259	1.507826987	4.349676268	0.600668868	15.21904706

7433	5.885702529	7.603009598	4.1495062	1.832268523	0.561956059	9.547816185
7434	4.536113573	6.698000946	3.282747963	2.040364055	0.4041326	8.909225794
7439	4.55401937	5.437693318	2.54453444	2.137009126	0.356284354	7.823514238
7443	6.727495825	8.572768367	5.637167559	1.520758125	0.41583531	6.181130706
7444	7.216912541	7.744204751	6.528416019	1.186230278	0.261700388	3.626209779
7447	4.594749504	5.657482919	2.117790472	2.671408241	0.529556477	11.52525239
7450	7.02580439	8.144969996	6.170071155	1.320077158	0.3670986	5.225004558
7453	8.271597173	11.26436407	6.340868616	1.77647019	0.814909688	9.851902491
7454	5.983777396	7.461326924	4.587732214	1.626364961	0.521147244	8.709335414
7456	5.802762051	7.853286113	4.156206421	1.88953226	0.747543814	12.88255158
7458	9.531865728	11.44444526	8.756674997	1.306939594	0.322407014	3.382412457
7461	4.927428566	6.033649057	1.929915078	3.126380599	0.535920316	10.87626759
7464	4.748799115	6.44814518	3.324285837	1.939708406	0.511825622	10.77800112
7465	7.538489164	8.950254679	5.627281324	1.590511326	0.530232278	7.03366771
7466	7.721163245	8.533490752	6.48375722	1.316133603	0.379935433	4.920701988
7468	5.566366251	6.271258907	4.467724795	1.403680664	0.30393199	5.460150772
7472	4.492470655	5.951683946	1.304053898	4.563986163	0.584769194	13.01665028
7474	6.768048929	8.227435912	5.284567949	1.556879577	0.501374417	7.407960883
7475	5.024242607	6.279241511	3.840710244	1.63491675	0.281020649	5.59329378
7480	5.226718391	6.670179064	2.746484611	2.428624226	0.466562534	8.926490761
7481	5.196197476	7.836570187	2.858932108	2.741082996	0.668644526	12.86795833
7485	8.180826833	9.107434315	7.442396057	1.223723415	0.324991824	3.972603631
7486	5.643777247	6.631634198	4.807266994	1.379501951	0.30171752	5.34602105
7490	3.835391294	4.457459181	0.811896032	5.490184708	0.543711653	14.17617165
7494	8.039343558	9.119441966	7.274270432	1.253657264	0.271934997	3.382552257
7498	4.582619227	5.875375599	3.843801225	1.528532631	0.335826375	7.328262694
7504	5.192014084	7.324090809	3.712806913	1.972655993	0.72956846	14.05174269
7507	7.805417577	8.633295791	6.824132136	1.265112635	0.344484634	4.413404288
7508	7.66574088	8.293490861	7.013050139	1.182579719	0.219172232	2.859113497
7511	6.919912552	7.487877175	5.197168452	1.440760915	0.257044533	3.714563316
7512	4.381992106	5.464761605	2.514183122	2.173573419	0.410069475	9.358060555
7514	7.394904865	8.083159223	6.722641495	1.202378444	0.281805968	3.810812617
7515	7.194198889	8.260062104	6.581103021	1.255118189	0.30358537	4.219863456
7518	4.858043098	5.704514466	3.450997976	1.653004292	0.312547132	6.433601469
7520	8.154327887	8.814163149	7.691483016	1.145964066	0.211740932	2.596669339
7525	6.993350552	7.636634386	5.755853148	1.326759768	0.296822969	4.244359934
7528	7.735352722	8.326348698	7.262207071	1.146531436	0.171821924	2.221255191
7531	8.213771064	8.947839139	6.859354436	1.304472487	0.400200713	4.872313949
7533	6.3132857	7.092644262	5.229087236	1.356382853	0.29476759	4.669004453
7534	8.800544468	9.582652044	8.001803181	1.197561578	0.289579987	3.290478082
7535	4.657254632	7.13592748	2.281182885	3.128169831	0.899440107	19.31266761
7536	6.211497043	7.172262631	4.630767605	1.548828022	0.330105599	5.314428988
7538	9.57367359	11.47796834	7.585586974	1.513128565	0.84130632	8.787706326
7539	5.655330512	9.592633639	3.578436306	2.680677486	0.659834813	11.66748453
7541	6.402135481	7.39290667	5.518699283	1.339610348	0.274347704	4.285253017
7543	6.152119847	6.794665162	5.435792544	1.249986107	0.259827256	4.22337767
7545	3.694603362	4.893732749	2.331790021	2.098702158	0.337660724	9.13929563

7547	3.710913637	6.789172392	-0.957427067	-7.091059594	0.738108548	19.89021088
7551	5.421138688	6.222220587	4.609489798	1.349871864	0.223212259	4.117442335
7553	5.367777344	6.313212799	4.915277743	1.284406117	0.228282087	4.252823317
7554	5.608655658	6.168555795	5.011944914	1.230770869	0.207660833	3.702506368
7555	9.006578164	9.633223653	8.547582289	1.127011514	0.178133356	1.977813916
7556	6.096427338	7.271317617	4.918906712	1.478238569	0.490003261	8.037547795
7570	7.73114729	8.495541099	6.850703223	1.240097669	0.311549003	4.029790032
7571	6.165563606	6.937340544	5.313928144	1.305501384	0.31258897	5.069917209
7572	6.76293319	7.39135331	5.915932762	1.249397789	0.257745809	3.811154144
7580	7.606785425	8.630601956	6.657859679	1.296302772	0.371827234	4.888099417
7586	6.695467644	7.805122991	5.704819646	1.36816297	0.302997459	4.525411443
7592	4.486276187	5.312415741	2.737340245	1.940721747	0.378594574	8.438949326
7593	6.871708101	7.720292284	6.06197201	1.273561189	0.277718583	4.041478177
7594	6.825749881	8.183554028	5.346411726	1.530662891	0.458525705	6.71758727
7626	5.789870108	6.61447697	4.148887749	1.594277158	0.381124603	6.582610591
7629	6.910031351	9.195504248	5.311950129	1.731097624	0.447078558	6.469993189
7633	5.227227491	6.024641261	4.627600389	1.301893153	0.211260762	4.041545203
7639	6.477445436	7.700804003	5.328961009	1.445085447	0.367978467	5.680919592
7644	6.134806285	7.522457933	5.591498906	1.345338354	0.326614745	5.32396183
7678	5.454167505	6.650473175	4.406771919	1.509148487	0.386545794	7.087163961
7681	3.703917043	4.664695453	1.966660158	2.371886894	0.367592327	9.924421155
7691	5.564750974	6.697055542	4.249099236	1.576111823	0.513771678	9.232608621
7692	6.434263256	7.147109057	5.404837369	1.322354137	0.30313805	4.711309403
7693	6.076560227	6.931261438	3.18405853	2.176863702	0.419431326	6.902446627
7694	5.609855988	7.146170056	4.940827458	1.446350863	0.310145764	5.528586914
7695	6.959025784	7.589758903	6.239012551	1.216500022	0.337311295	4.847105119
7696	5.659865295	6.672194725	4.665017141	1.430261567	0.360568285	6.370616009
7701	6.416092717	7.270354906	5.229884517	1.390155917	0.277945076	4.33199906
7705	7.916728963	8.640820099	6.800675466	1.270582627	0.307243851	3.880944424
7706	6.480854469	7.483401176	4.705485105	1.590357	0.323389655	4.989923114
7707	7.751294852	8.519224032	6.384077245	1.334448771	0.375239779	4.840994775
7709	5.678732938	7.238138093	4.058721734	1.783354112	0.3517291	6.193795409
7716	8.487978521	9.40972287	7.733893548	1.21668637	0.274193818	3.230378317
7718	5.709716023	8.335292113	4.134554166	2.016007477	0.725508342	12.70655737
7727	5.369285258	6.711506086	4.566092162	1.469857779	0.271414074	5.054938618
7728	5.686619913	6.98850318	4.008136388	1.743579186	0.320487321	5.635814003
7737	7.098073473	7.792701667	6.16065851	1.264913751	0.282843283	3.984789445
7738	6.6441157	7.503632149	5.335655682	1.40631866	0.344592093	5.186425224
7741	6.455157245	7.130307297	5.416963091	1.316292391	0.299614632	4.64147689
7743	7.530421864	8.092453278	6.918593995	1.169667317	0.245625437	3.261775257
7746	5.57761042	6.057077795	4.971343349	1.218398604	0.185496697	3.325737786
7748	6.429524543	7.215131736	4.457654023	1.618593928	0.362747683	5.641905247
7750	6.182385594	6.860638696	5.080228424	1.350458704	0.257184338	4.159953045
7752	5.859222135	6.363730376	5.267932166	1.208012969	0.204498773	3.490203455
7754	7.058189472	8.991441555	5.464206091	1.64551655	0.649889135	9.207589819
7763	7.099950646	7.83066613	6.578648306	1.190315361	0.232216952	3.270684038
7764	7.704325475	9.243451628	5.147719431	1.795640138	0.550197962	7.141416389

7773	4.747509207	5.877131139	4.052893243	1.450107562	0.314552713	6.625636719
7779	6.857640304	7.387201841	6.170615133	1.197158092	0.228564374	3.332988666
7782	5.084185318	5.92738122	3.952484016	1.499659757	0.265652624	5.225077524
7786	6.115867047	7.013520027	4.597192456	1.525609401	0.329689464	5.390723206
7798	6.220742671	6.916159636	5.367204574	1.28859624	0.227892996	3.663437121
7799	6.083448838	6.773952951	5.173863005	1.309264073	0.251045704	4.12670034
7802	6.983315659	8.539770319	5.603482097	1.524011351	0.555426794	7.953625768
7803	7.443133039	9.053811266	6.634022793	1.36475432	0.445861528	5.990239939
7804	7.288994181	9.02678068	5.481481001	1.646777701	0.717929297	9.849497466
7805	8.041027052	11.02590027	4.673521027	2.359227702	1.292491568	16.07371247
7818	7.373416425	7.851714946	6.938197511	1.131664951	0.187097306	2.537457474
7832	8.440337282	10.36714308	6.634037869	1.562719912	0.749625578	8.881464721
7837	6.022024057	7.905705291	4.297014879	1.839813339	0.611820697	10.15971858
7841	6.606019275	7.685024702	4.763758961	1.613227026	0.407668713	6.171170507
7844	6.862663564	7.636557923	5.845227166	1.306460417	0.228421151	3.328462024
7846	9.152305212	10.1064762	7.40322653	1.365144799	0.470357574	5.13922518
7849	9.290860622	10.94240121	7.686774556	1.423536118	0.634154705	6.825575482
7850	4.730660605	6.304522273	1.801744388	3.499121361	0.624345451	13.19784916
7851	7.473694375	8.893857334	5.780414701	1.53861925	0.638574929	8.544300815
7852	6.798202594	11.1785394	2.995281278	3.732049969	1.595822353	23.47418058
7857	4.432095646	9.230012325	0.925373021	9.974369375	1.384002965	31.22682983
7862	6.953693344	7.918908694	6.335398701	1.249946383	0.243871688	3.507081428
7866	7.180589618	7.958721273	6.06527687	1.312177736	0.299017208	4.164243107
7867	7.843523641	8.566631084	7.244935891	1.182430212	0.277309428	3.535521026
7873	9.795947241	10.86443774	8.340322553	1.302639996	0.497591943	5.079569447
7874	7.319960541	7.949864838	6.645056589	1.196357733	0.256034972	3.497764376
7881	6.628517254	8.035490741	5.538972082	1.450718766	0.506987271	7.64857737
7884	8.067998168	9.470590152	7.424652581	1.275560041	0.278019525	3.445954241
7903	4.693934373	6.941247323	2.392573691	2.901163441	0.685869118	14.61181738
7905	10.28802734	11.05789608	9.390232428	1.177595567	0.307898342	2.992783083
7915	6.627091099	8.335897629	5.829969538	1.429835538	0.433342765	6.538958924
7916	7.078313591	7.725501858	6.182500808	1.249575552	0.266173799	3.760412639
7917	8.06338698	8.794345594	7.116494246	1.235769368	0.258602749	3.20712313
7922	6.952092975	8.480619412	5.708205428	1.485689245	0.474908312	6.831155943
7940	6.229833039	8.214004895	4.724613518	1.73855594	0.801249255	12.86148842
7941	8.038522101	9.712782607	6.785254945	1.431454335	0.550760224	6.851510979
7965	7.73071761	8.326780193	6.97009167	1.194644287	0.241942453	3.129624765
7975	5.560824148	6.198934293	4.604703471	1.346217912	0.259980734	4.675219478
7978	5.818706028	6.674115673	4.752237058	1.404415561	0.315075939	5.414879822
7979	8.563837784	9.337269275	7.805109388	1.196302167	0.309236201	3.610953508
7980	3.92564704	5.878750887	-0.642290628	-9.152789459	0.828657278	21.10880754
7988	7.110701854	7.992150387	6.134115156	1.302901916	0.268109646	3.770508899
7991	5.331454342	7.913639531	4.114287779	1.923453088	0.629483106	11.80696796
7993	7.096869437	8.128481799	5.891288259	1.379746066	0.418199328	5.892729625
7994	6.710837567	7.650250369	5.629823173	1.358879335	0.238034082	3.547010029
8001	3.185221722	4.469511399	1.524277823	2.932215723	0.349352663	10.9679229
8013	5.971191939	8.882632329	3.925873571	2.262587464	1.103021906	18.47239073

8019	6.905217021	7.645613477	6.254041345	1.222507664	0.257332747	3.726642428
8021	6.141746643	6.727287882	5.394629837	1.247034196	0.218375825	3.555598062
8027	7.440355132	8.186267118	5.909957088	1.385165238	0.285916747	3.842783603
8028	5.927433949	6.547241392	5.438489412	1.203871313	0.214747666	3.622944897
8029	5.092783217	6.428593425	4.060607805	1.583160387	0.366254471	7.191636773
8030	7.597779157	8.157784141	6.774354679	1.204215682	0.245626208	3.232868482
8031	9.81499699	10.33242859	9.454510866	1.092857022	0.160057995	1.630749304
8034	6.030550397	6.89829143	5.382623905	1.281585255	0.251860859	4.176415795
8038	4.346277991	5.901257731	1.820434408	3.241675561	0.577519668	13.28768361
8045	6.973169077	8.035862052	6.081937322	1.321266831	0.266856126	3.826898827
8048	3.546747641	5.383870825	2.537553026	2.121678156	0.386643342	10.9013491
8061	4.959366502	9.316686243	1.2173886	7.653009271	0.947759354	19.11049232
8065	7.180957369	7.749433017	6.645709228	1.166080662	0.219143402	3.051729605
8073	10.05655366	10.81714982	9.571037301	1.130196183	0.220543065	2.193028276
8076	6.372989664	9.011593746	3.320038339	2.714304121	1.086276272	17.04500289
8078	6.584028802	8.731748536	5.242403568	1.66560022	0.402463425	6.11272273
8079	8.352239436	9.278649148	6.86554073	1.351481189	0.323089012	3.868292025
8082	6.732514924	7.682469663	5.727329957	1.341370188	0.322313893	4.787421883
8085	5.747083897	6.866072165	3.277081111	2.095179195	0.34514444	6.005557701
8087	7.194864258	7.789703601	6.70954141	1.160988975	0.23414866	3.254386063
8100	7.470416023	8.463253601	6.576180678	1.28695576	0.339823296	4.548920632
8111	4.861104856	7.092968613	2.001428467	3.543953097	0.512123742	10.53513054
8115	4.923055571	10.32094962	1.98544313	5.198310375	1.542110797	31.32426142
8120	4.737755104	6.084116371	3.695047454	1.646559739	0.367966888	7.766692877
8131	5.908193924	6.826023337	5.184382511	1.316651177	0.214916824	3.637606116
8140	5.539766806	8.033787842	2.636015966	3.047700752	0.920823351	16.62205979
8148	6.320036377	7.503501378	5.53960753	1.354518589	0.400908759	6.343456508
8153	5.889725381	7.772550588	4.921778256	1.579215922	0.486329135	8.257246365
8161	7.038434027	7.79774909	6.308881039	1.235995582	0.258915459	3.678594669
8165	7.166747953	8.107482366	6.251332151	1.296920748	0.348935273	4.868809058
8174	5.437361773	6.979134939	3.590961616	1.943528137	0.458703116	8.436133829
8178	5.03615179	6.053181332	3.709801418	1.631672602	0.322016607	6.394100496
8187	5.536530566	6.530690556	4.815483897	1.356185732	0.332590134	6.007194045
8189	5.662513478	6.405922496	4.630110194	1.383535645	0.282683085	4.992183888
8192	7.637525624	8.764011434	6.423234859	1.36442332	0.289392866	3.78909192
8200	5.5384405	7.699688759	3.898432684	1.975072903	0.45707138	8.252709052
8202	6.319825169	7.230308056	4.591402197	1.574749444	0.392446941	6.209775286
8204	7.225851018	8.781481152	6.332714602	1.386685127	0.40999074	5.673943994
8208	4.967986759	6.736301668	1.783049244	3.777967261	0.527010149	10.60812307
8209	7.814840414	8.633725578	6.88025242	1.254855934	0.272830909	3.491189772
8216	6.69285346	7.656026274	2.370038201	3.230338765	0.478224256	7.145296975
8218	5.734185354	6.389174506	2.171823717	2.941847653	0.450421429	7.855020392
8224	4.358901737	6.837007524	1.652184734	4.138161661	0.535693322	12.28963978
8225	7.465280426	8.023646497	6.574176828	1.220479264	0.235446464	3.153886402
8226	7.383783217	8.020492502	5.950773944	1.347806618	0.355104088	4.809243143
8227	6.341838861	7.599106913	4.273552967	1.778170757	0.348243768	5.491211234
8228	7.373224089	8.434015033	6.297809876	1.339198102	0.391446207	5.309023594

8233	6.989158741	7.75305115	5.981917548	1.296081246	0.273016943	3.906291921
8239	7.708421457	8.599977017	6.980659094	1.231972068	0.293093738	3.802253669
8241	7.602933091	8.187344909	6.625828229	1.235671168	0.267819492	3.522581197
8242	6.752468045	7.637566183	5.909022546	1.292526154	0.290112245	4.296388275
8243	5.731095748	6.38900942	4.875331086	1.310477034	0.232081001	4.049504861
8260	7.170168603	7.879902395	6.344551986	1.241995087	0.281284282	3.922980027
8269	6.407087177	7.325439613	5.764428402	1.270800694	0.260399376	4.064239627
8270	6.210681767	7.873050712	5.135142105	1.533170952	0.345256783	5.559080244
8277	4.387920652	5.750254874	2.969980357	1.936125557	0.348472041	7.941621289
8284	5.148372333	9.329166094	0.280083762	33.30848611	1.802911938	35.01906664
8287	4.420796945	9.010184457	0.600177019	15.01254491	1.980445265	44.79837661
8289	7.083801377	7.930769603	6.192305926	1.280745767	0.314174005	4.435104658
8292	4.769034298	6.302261258	4.111849677	1.532707115	0.370707705	7.773223724
8295	6.761573492	7.499659354	5.575758472	1.345047385	0.3403867	5.03413444
8301	7.065009177	7.800453308	5.957160894	1.309424648	0.289234703	4.093904136
8303	6.220992943	6.861334138	5.297569464	1.295185308	0.288011153	4.629665318
8309	7.526991127	9.121301061	6.063775234	1.504228094	0.524797502	6.972208324
8310	5.722798848	6.300774118	5.121404641	1.230282424	0.224511585	3.923108101
8312	6.067518105	6.719680778	3.548082766	1.893890651	0.346732148	5.71456306
8314	6.766867118	7.324235852	6.015962327	1.217467041	0.233901984	3.456577171
8315	6.110345149	6.56487505	5.44599462	1.205450153	0.216828333	3.548544762
8317	4.605356983	6.690802376	3.099665267	2.158556425	0.625458722	13.5811127
8318	4.231499209	6.630628132	1.610446831	4.117259883	0.790968892	18.69240315
8321	7.287018371	9.972237604	5.927105873	1.682480087	0.623009514	8.549580673
8323	7.918658406	9.976713317	6.735245351	1.481269471	0.46259193	5.841796758
8324	6.408230126	7.713064888	4.73514612	1.628896911	0.466020535	7.27221909
8326	4.610140746	6.840079801	2.379882691	2.874124774	0.478014543	10.36876246
8332	3.961562097	6.053867432	1.069520796	5.660355042	0.492944497	12.4431849
8334	8.572463452	9.86685526	7.126715488	1.384488447	0.505428908	5.895958741
8336	4.771370214	6.461059242	2.078604516	3.1083639	0.606243417	12.70585577
8340	3.78745249	5.663506616	2.358875872	2.400934565	0.414294857	10.93861528
8347	5.798561927	7.502365824	4.358865376	1.721174016	0.467176068	8.056757407
8349	7.107701497	8.21008769	5.963927364	1.37662436	0.486578053	6.845786268
8351	4.812451135	6.554429841	1.342924813	4.880712441	0.57570913	11.96290859
8354	3.81138316	6.147445594	1.001331349	6.139272082	0.584943844	15.3472852
8382	7.696934726	9.424040278	6.051068257	1.557417613	0.616343029	8.007642661
8394	5.979017248	7.445310996	4.774334304	1.559444484	0.388349987	6.495214358
8395	4.513633687	6.17304637	3.599058674	1.715183588	0.407606415	9.030560366
8398	5.983869686	7.524586554	5.364840098	1.402574246	0.362424748	6.056695206
8404	10.06060753	11.05748717	9.274865673	1.192199171	0.378237336	3.759587427
8405	7.413624139	7.976852351	6.915795965	1.153425056	0.175325234	2.364905896
8406	7.96670524	10.41491739	5.38677356	1.93342402	0.868587738	10.90272217
8407	8.290967055	9.599908901	6.203713071	1.547445665	0.547596727	6.604738904
8408	6.413238627	7.70408883	3.864175319	1.993721349	0.398356277	6.211468188
8411	5.82563749	6.720847829	3.694887678	1.81895863	0.431193098	7.401646586
8412	6.888967072	7.984911429	5.740569655	1.390961509	0.420255719	6.100417008
8417	7.232145281	7.870098616	6.237394911	1.261760515	0.218076867	3.015382828

8418	5.797428678	10.05888838	4.186403887	2.402751539	0.764278157	13.18305406
8419	4.457044706	7.146016465	3.400086014	2.101716379	0.515484894	11.5656209
8424	6.672196181	8.595061068	4.518044827	1.90238508	0.846475725	12.68661326
8427	6.100143577	6.890645117	5.270815044	1.307320606	0.277150969	4.543351572
8428	6.612125959	7.298738594	5.673410386	1.286481692	0.203666172	3.080191955
8431	4.439760842	6.273397908	2.4973835	2.51198821	0.46777936	10.5361387
8434	5.726900266	7.330084867	4.287942756	1.709464255	0.36251275	6.329999355
8435	4.351841526	6.269164249	3.551086023	1.765421679	0.358829668	8.245467249
8438	4.63413087	5.535657393	1.95866016	2.826246995	0.566258197	12.21929662
8439	6.179728712	6.905380766	5.252785317	1.314613172	0.22637865	3.663245764
8443	8.215980709	8.708654139	7.826754675	1.11267754	0.152847314	1.860366025
8444	5.705300816	7.131433971	4.519494501	1.577927348	0.402755811	7.059326473
8445	6.39144948	7.262477809	5.33770569	1.360599147	0.290354418	4.54285712
8446	7.96570617	8.913232869	7.305831312	1.220016243	0.224766407	2.821675843
8450	6.756408166	7.471987282	4.434456177	1.684983904	0.37610784	5.566683222
8451	6.207436574	6.814128101	5.124230685	1.329785586	0.205633865	3.312701833
8453	6.581686953	7.236099792	5.915719544	1.223198588	0.285850401	4.34311755
8454	7.226351832	8.091001272	5.694178635	1.420925087	0.270478629	3.742948527
8455	7.338483526	8.018678982	6.20664809	1.291949997	0.355940421	4.850326634
8458	5.097822666	6.298280815	3.257784278	1.933301986	0.382988905	7.512793806
8459	9.035351521	10.01139123	8.218687931	1.218125242	0.28343132	3.136915254
8460	6.665857367	7.459231623	5.862329204	1.272400673	0.333160902	4.998020262
8462	6.310834067	7.320850571	4.647995897	1.5750553	0.365460554	5.791002427
8464	5.526613605	6.400222428	3.502432789	1.82736481	0.342025564	6.188700508
8467	8.070928543	8.944322106	7.246177915	1.234350331	0.242031392	2.998804798
8468	4.358081046	6.210398704	1.945935181	3.191472544	0.41492385	9.520792426
8470	7.38423751	8.785302689	5.807417917	1.512772598	0.598539432	8.105636239
8471	5.227703698	6.912961547	4.282030815	1.61441191	0.481409814	9.208819809
8473	7.038534786	8.162530834	6.50391243	1.255018563	0.308524632	4.383364457
8476	5.649467568	6.563837292	4.090953836	1.604476011	0.386181551	6.835715863
8477	5.073105352	8.25456709	2.539102946	3.250977714	1.123959578	22.15525797
8479	6.878422228	7.359814271	6.192578268	1.188489504	0.226270483	3.289569549
8480	6.368190133	7.690937637	5.423435285	1.418093373	0.294932802	4.631344161
8481	6.988398036	8.216298212	6.036350847	1.361136624	0.41046988	5.873590461
8482	5.036521839	5.700771452	3.044309759	1.872599014	0.498878789	9.905224387
8483	5.599803277	9.905944926	4.197617369	2.359897069	0.751127613	13.41346428
8487	5.908198831	7.069371109	5.105515264	1.3846538	0.337602605	5.714137496
8490	8.124150402	10.13487352	6.850179009	1.479504916	0.556808914	6.853749462
8492	3.735292236	5.120433142	2.550642351	2.007507301	0.313653426	8.397025084
8493	6.105275093	6.971424824	4.414679786	1.579146204	0.36240786	5.935979212
8495	8.313877668	9.249203471	7.314735301	1.264461814	0.433665375	5.216162564
8496	6.134021878	6.932979623	5.069911889	1.367475367	0.384503943	6.268382329
8497	3.991555928	5.246023747	2.044083921	2.56644245	0.383781299	9.614829563
8498	6.125275819	7.062650651	4.961061782	1.42361675	0.239394411	3.908304177
8499	4.230810351	5.875895619	2.240855597	2.622166117	0.407677544	9.635921022
8500	6.44202043	7.098029965	5.302969166	1.338501082	0.249660081	3.875493467
8501	5.929484711	6.669744306	5.206776583	1.280973785	0.261404943	4.408560875

8502	6.853364818	7.704111266	6.028868979	1.277870077	0.361539599	5.275359018
8503	6.033955428	7.125799292	5.393652738	1.321145361	0.354963717	5.882769956
8507	5.201065765	6.297274743	4.044201172	1.55711214	0.405764156	7.801557879
8508	7.559283836	8.184221135	6.9617537	1.175597628	0.206328942	2.729477378
8509	6.020162452	6.762421737	4.073764971	1.659993099	0.346890127	5.762138981
8513	3.777197325	5.862038632	0.888990849	6.59403709	0.512168474	13.55948417
8514	5.077643501	6.701827222	4.176434153	1.604676855	0.439087273	8.647461624
8515	5.320201596	6.304886481	3.712447997	1.69830971	0.41196714	7.743449808
8516	5.454658292	7.051894162	3.282886558	2.148077321	0.418979824	7.681137876
8517	6.356008644	6.875860674	5.21457289	1.318585591	0.253687077	3.991295349
8518	6.249208362	6.911649425	5.497710519	1.25718686	0.226927939	3.631306966
8520	8.072374098	8.882808298	7.397548298	1.20077733	0.28524688	3.533618195
8521	3.78560443	5.85175415	3.023937997	1.935143563	0.326810053	8.632968891
8522	4.99898987	5.962932876	3.729026137	1.599059019	0.349732242	6.996058234
8525	5.348370526	6.338129469	3.289236551	1.926930268	0.389110796	7.275314864
8527	7.185807885	10.08629819	5.858463451	1.721662733	0.517531098	7.202128221
8528	4.770529051	6.289351141	3.834983747	1.63999421	0.393963501	8.258276946
8529	4.021172958	6.369409624	2.43346833	2.617420389	0.368325299	9.159648268
8530	5.719697222	8.662279853	3.260040933	2.657107697	1.078706316	18.85950032
8531	7.300815459	8.106261566	6.556287421	1.236410341	0.278759708	3.81819962
8533	7.921525772	8.938290368	7.365044886	1.213609761	0.251185573	3.170924139
8534	6.331851711	7.444985013	5.075246883	1.466920759	0.464405113	7.334428124
8536	5.505964385	6.402507971	3.784458108	1.691789891	0.329598384	5.986206244
8537	4.414264329	5.356420048	3.013870194	1.777256386	0.319239552	7.231998992
8539	6.416488882	6.999384016	5.662592042	1.236074216	0.216532279	3.374622522
8540	6.486588551	7.145065551	5.339392531	1.338179486	0.274297897	4.228692705
8541	4.816748909	6.289016452	3.856860267	1.630605212	0.310640669	6.449177134
8542	6.171286425	8.851482793	3.607342887	2.453740348	0.721472195	11.69079095
8546	7.380868821	7.881501595	5.738341455	1.373480762	0.298805938	4.04838434
8548	5.255370728	6.211180618	4.537076696	1.368982945	0.30348244	5.774710395
8549	3.918370267	6.424117873	0.786775172	8.165125318	0.588143125	15.00989148
8550	6.659518611	7.350444283	5.9223116	1.241144468	0.237944172	3.572993571
8553	7.134811067	9.08283217	5.386023428	1.686370713	0.701609984	9.833616865
8554	8.127085586	8.747598244	7.3601259	1.188512039	0.231619323	2.849967808
8556	4.522986734	5.597810631	3.472980444	1.611817493	0.269263693	5.953227561
8559	6.242392151	7.282852764	4.761106579	1.529655479	0.336429294	5.389429026
8560	8.859867625	9.449586126	8.019311508	1.178353792	0.248416728	2.803842432
8563	5.232476385	6.867089356	4.409622477	1.557296433	0.256375822	4.899703382
8564	4.057198948	6.983287821	2.236975599	3.121754132	0.81199406	20.0136614
8565	6.969331988	7.566194032	5.188466924	1.458271613	0.313715405	4.501369794
8566	6.883632833	7.725417697	6.365076009	1.21371963	0.227258507	3.301432725
8567	6.539828737	6.955872258	5.863299725	1.186340898	0.192692095	2.946439475
8569	5.681251976	6.40813634	4.581260793	1.398771349	0.316134694	5.564525138
8570	6.508167241	7.563810271	5.724236482	1.321365792	0.227160378	3.490389379
8572	5.511659522	7.138214172	4.339996196	1.644751251	0.453249652	8.223469732
8573	5.793194125	6.804361187	4.740713165	1.435303287	0.28808102	4.9727493
8574	8.073461076	8.586214551	7.272525154	1.180637312	0.260394928	3.225319674

8576	5.929055831	7.066427398	5.266790709	1.341695121	0.263972836	4.452190092
8600	3.904273923	9.009550921	1.490638702	6.044087619	0.790957837	20.25876905
8601	4.378028035	6.034698529	2.887316676	2.09007158	0.392702117	8.969840167
8602	6.693271058	7.672609875	6.029233431	1.272568057	0.246133215	3.677323283
8603	6.974857118	7.582468479	6.224171816	1.218229301	0.236106896	3.385114451
8605	5.670162916	6.991180488	4.626770529	1.511028145	0.354848641	6.258173634
8607	6.806577002	7.494963116	5.902240273	1.26985056	0.285721895	4.1977325
8609	5.684404917	6.567237382	4.512526146	1.455335032	0.335763138	5.906742089
8613	10.41783008	12.2163736	9.21906433	1.325120767	0.532886242	5.115136621
8614	5.091549989	6.292936212	2.587011523	2.432511861	0.487580064	9.576259973
8615	8.183259717	9.113425931	7.089278932	1.285522268	0.311193521	3.802806358
8618	3.604529663	5.355854448	1.730324887	3.09528834	0.476721778	13.2256306
8620	4.782377332	5.845438037	3.040050226	1.922809692	0.360888316	7.546211659
8621	6.287190762	7.1346496	5.795819628	1.230999248	0.172720929	2.747187664
8622	8.503046151	10.89659746	6.476592323	1.682458447	0.801403954	9.424904207
8623	7.768658151	8.571069018	6.581551961	1.302286918	0.350631191	4.513407385
8624	7.938900201	8.640564834	7.192103047	1.201396139	0.275695493	3.472716451
8625	7.49581244	8.661630027	6.781539842	1.277236473	0.300296755	4.00619356
8626	4.303992604	5.487759337	3.211653426	1.708702219	0.306873228	7.129966429
8631	4.897800674	7.948564543	3.186862239	2.494166345	0.870280068	17.76879309
8633	5.087864727	9.540139951	4.308201125	2.214413783	0.615549236	12.09838054
8634	5.928048145	6.812486705	4.736818601	1.438198774	0.26074101	4.398429352
8636	7.231555452	8.352545621	5.939827516	1.406193294	0.301181241	4.164819631
8638	5.090083697	6.483401613	3.349049156	1.935893237	0.476147489	9.354413736
8639	6.362284551	7.927859184	4.495908703	1.763349682	0.634013942	9.965193109
8642	5.432900923	6.938499025	3.948840327	1.757097894	0.366822904	6.751879145
8644	6.769272278	8.010735177	5.089292411	1.574037121	0.590601126	8.724735867
8648	7.165471135	8.01584343	6.317299698	1.268871799	0.309274422	4.316177073
8651	5.160674842	6.623597359	4.124599042	1.605876666	0.391164392	7.579713963
8653	4.610370402	8.637057604	0.874756686	9.873668582	1.311910677	28.45564591
8654	5.163689688	7.191212981	3.48906959	2.061068945	0.500357255	9.689917191
8655	10.01564116	10.71388071	9.069915456	1.18125475	0.253180964	2.527855778
8658	5.309459659	6.327613912	3.404320617	1.858700934	0.292283762	5.504962478
8660	7.450703514	8.904237149	6.417063374	1.387587535	0.466663754	6.263351554
8661	8.35245439	8.863085896	7.784243544	1.138593088	0.218213797	2.612570954
8662	6.798588328	7.541414493	6.259102934	1.20487146	0.225536274	3.317398597
8666	8.821767559	9.932988523	7.772732855	1.27792743	0.292848521	3.319612756
8667	8.674449721	9.412137428	8.010880677	1.174919189	0.290493399	3.348839503
8669	7.729563559	8.418861021	7.145024588	1.178283002	0.248114068	3.209936323
8671	6.788823999	9.178925152	4.796910992	1.913507498	0.761686763	11.21971587
8672	6.646799072	7.212083497	5.191113856	1.389313295	0.280549321	4.220818449
8673	9.54819136	10.34687555	8.789671496	1.177162941	0.323639018	3.389532173
8674	6.711837946	7.496496544	5.903737757	1.269788201	0.28092489	4.185513602
8676	5.53243514	6.651969454	4.14069295	1.606487014	0.578910037	10.46392813
8678	7.044210096	7.963067607	6.492903405	1.226426317	0.189135842	2.684982977
8682	8.637733637	10.1691759	7.930964908	1.282211688	0.30737191	3.558478679
8685	4.711853549	7.15273571	1.802470212	3.968296209	0.801724306	17.01505146

8690	5.778647765	6.516281141	4.379746494	1.487821533	0.289149019	5.00374881
8692	7.446585396	8.239677206	6.64209166	1.240524465	0.319400694	4.289223537
8694	6.408369447	7.279554606	5.094063488	1.429027067	0.346704928	5.410189457
8697	6.652108887	7.194514006	6.015882862	1.195919896	0.259965258	3.908012668
8702	6.584921468	7.159954394	5.903498745	1.212832373	0.241817813	3.672296074
8703	6.244749062	7.586729121	5.280984422	1.436612668	0.307171911	4.918883172
8704	5.973270268	7.478374833	4.568970118	1.63677473	0.348066324	5.827064707
8705	5.503329621	6.424067397	4.855486316	1.323053342	0.240650648	4.372819094
8707	4.471119496	7.430609992	2.309964609	3.216763565	0.920539601	20.58857076
8710	3.882974151	5.153300675	1.278505265	4.030723076	0.429008894	11.04846123
8711	5.748492165	7.489298957	4.26932199	1.754212724	0.332192174	5.778770586
8712	4.02753667	5.514299487	2.305896673	2.391390538	0.400206213	9.936749071
8714	4.82627213	6.43490663	3.254981854	1.976940861	0.536659953	11.11955435
8715	5.177571484	6.964828514	3.957734775	1.759801732	0.614079302	11.86037323
8717	6.361103949	7.285958369	5.432456599	1.34119035	0.224764051	3.533412633
8718	5.018294502	6.783779992	3.545118475	1.913555228	0.466655589	9.29908735
8720	7.748252929	8.650794	6.877304055	1.257875751	0.278873264	3.599176055
8722	7.276929789	9.068111353	6.063123283	1.495617181	0.470115619	6.460356672
8723	8.08182283	9.093431705	7.074443937	1.285391726	0.364169104	4.506026822
8725	7.317475905	8.076448383	6.565230351	1.230185074	0.221764281	3.0306117
8726	6.197378811	7.233851399	5.340487361	1.354530197	0.36181623	5.838213881
8727	9.266974468	10.48440024	8.096044597	1.295002777	0.45619296	4.922782092
8729	6.440948013	7.456981278	5.235978756	1.424180965	0.33689931	5.23058577
8733	8.047871203	9.476921684	7.094104308	1.335886995	0.306949515	3.81404606
8737	6.608778089	7.258993163	5.636776899	1.287791462	0.258298049	3.908408569
8738	6.589877306	7.702425599	5.845621674	1.317640112	0.288830888	4.382947882
8739	4.91377944	7.031244537	3.178076962	2.212421103	0.495482173	10.0835249
8743	7.614978795	9.461781771	5.942042296	1.592345073	0.742482402	9.750288506
8745	4.152321275	5.004543963	2.968799286	1.685713139	0.271270427	6.532982619
8747	4.042842145	5.646361163	2.002700439	2.819373809	0.425272629	10.51914999
8748	4.336738038	6.582084587	2.572093256	2.55903808	0.430747726	9.932528132
8751	6.121507962	7.173658162	4.816585757	1.489365813	0.318253852	5.198945322
8754	6.616321699	7.752978997	4.422522107	1.753067324	0.461088576	6.968956427
8760	6.927621177	7.318651018	6.599787876	1.108922159	0.14256091	2.057862372
8764	6.986938248	8.22186945	6.050412754	1.358893977	0.446811209	6.394950022
8766	8.254480822	8.891170528	7.730660948	1.15011777	0.225315729	2.729617212
8767	6.137902365	6.996509873	5.33959424	1.310307405	0.307094154	5.003242737
8772	7.328377717	7.944552489	6.627735153	1.198682854	0.305337094	4.166503226
8774	6.447366502	7.292642451	4.739850965	1.538580539	0.318627615	4.941980813
8775	7.130622207	8.095326088	6.470777485	1.251059259	0.2707419	3.796890253
8776	6.014325405	7.086432044	5.027611666	1.409502665	0.306511048	5.096349585
8777	7.082619724	7.881894092	6.07013354	1.298471284	0.4037843	5.701058589
8780	6.822041569	7.474507279	6.126153194	1.220098003	0.205537504	3.012844494
8785	4.557220902	5.603332022	1.861384395	3.010303533	0.432100675	9.48167062
8786	4.187410318	6.8918055	2.621078032	2.629378224	0.418169429	9.986349481
8787	4.320073403	7.150499832	1.682503271	4.249917343	0.649723512	15.03964056
8788	4.213389134	5.942719498	3.005082334	1.977556299	0.346201126	8.216690067

8789	4.037874403	5.802100691	3.210271814	1.807354962	0.385082647	9.53676633
8792	5.019700476	6.431348901	3.634224021	1.769662207	0.493128597	9.82386498
8793	5.077655399	6.611921421	3.94588624	1.675649276	0.374820551	7.381764248
8795	5.825416693	7.149774759	4.74830691	1.505752449	0.338449913	5.809883322
8796	3.722435047	7.000510045	1.317383093	5.313951637	0.895234632	24.04970459
8798	7.345195355	8.188927974	6.172138079	1.326757093	0.26890841	3.661011003
8799	8.044252868	8.687961505	6.660510621	1.304398716	0.251803616	3.130229991
8800	6.254576051	7.172459964	3.979266827	1.802457658	0.454778018	7.271124607
8801	7.191231948	7.902124541	6.582047289	1.200557242	0.233140846	3.24201539
8803	8.457822714	9.547568458	7.738033298	1.233849493	0.333408422	3.942012422
8804	9.771279154	10.35647994	8.905813307	1.162889854	0.249549769	2.553910961
8805	5.917611755	6.685451649	4.857516284	1.376310702	0.237252809	4.009266214
8807	4.457189611	5.670251071	1.662877148	3.409903779	0.567473566	12.73164518
8809	4.448112101	6.828417335	0.801880469	8.515505238	0.823898986	18.52244204
8813	9.1047063	9.95049129	8.197733141	1.213810101	0.291785118	3.204772439
8815	8.760775534	9.43884744	7.625726239	1.237763741	0.277332764	3.165618877
8817	4.578836445	6.255481458	2.95257918	2.118649857	0.407660473	8.903145551
8818	7.275718074	8.101422193	6.548214374	1.237195628	0.235874156	3.241936447
8820	4.241227213	5.755657586	1.094393106	5.259223177	0.541119838	12.75856752
8821	4.768884773	5.922792477	3.969412433	1.492108108	0.322871947	6.770386831
8824	7.810156002	8.507641163	6.822922701	1.24692035	0.331132585	4.239769158
8825	4.540171001	5.78193493	3.397072625	1.702034536	0.350637879	7.723010419
8826	8.322457556	9.080204992	7.491335038	1.212094366	0.325122686	3.906570667
8828	5.185511635	6.13910481	4.287833523	1.431749805	0.332646874	6.414928704
8829	5.969880977	6.603202732	4.435688843	1.488653277	0.325227003	5.447797097
8832	4.784334136	6.438514336	3.376894458	1.906637716	0.599558234	12.53169652
8835	6.072063954	7.295162105	5.178126513	1.408841998	0.421423987	6.940374647
8836	5.507727323	7.521153637	4.113102988	1.828583835	0.632628016	11.48618984
8837	7.178064562	8.432361682	6.330290661	1.332065482	0.386638432	5.386388332
8838	3.676431641	5.869091105	1.265332141	4.638379849	0.46324908	12.60050847
8839	5.262286191	7.197714663	1.660631757	4.334323146	0.763018354	14.49975023
8840	4.023100972	5.00176349	2.564780107	1.950172444	0.456447979	11.34567545
8841	7.532034807	7.923164343	7.147590789	1.108508388	0.13834335	1.836732747
8842	6.051822476	8.713526153	2.958628621	2.945123322	1.348818809	22.28781188
8844	5.585581099	6.683970653	4.34138565	1.539593851	0.282928184	5.065331237
8846	5.834095776	6.429619426	5.25233928	1.224143964	0.203901925	3.495004759
8848	6.633995117	7.464200472	6.206929719	1.202559206	0.238814702	3.599862488
8850	7.528725906	8.162284286	6.711302361	1.216199755	0.250136563	3.322428872
8852	3.957999244	5.686740266	1.223654376	4.64734191	0.508984287	12.85963579
8853	8.328834999	9.103318123	7.246619613	1.256215809	0.325579308	3.909061808
8856	4.291903836	5.560371998	3.123925196	1.779931224	0.285956106	6.662686702
8857	10.8989262	13.19022404	9.059927922	1.4558862	0.691889857	6.34823876
8858	4.252271188	5.713881621	1.368293281	4.17591879	0.41684779	9.802944617
8859	6.546686336	7.333179725	5.644281888	1.299222801	0.212758491	3.249865351
8861	6.022240856	6.613166033	5.125680405	1.29020257	0.275570791	4.575884579
8864	6.196543235	7.638825718	5.391966029	1.41670509	0.358696829	5.788660159
8869	8.821465898	10.1908351	7.850580921	1.298099491	0.489821549	5.552609453

8870	8.473211217	10.52523404	5.604227006	1.878088456	0.736465817	8.691696667
8871	5.141753537	5.967037506	4.360815942	1.368330511	0.242719444	4.720557732
8872	8.02363351	8.703719302	7.227008602	1.204332218	0.250833299	3.126180909
8874	5.516068019	6.192962693	4.559181056	1.358349804	0.234608817	4.253189333
8876	3.909751715	5.734281901	0.261439368	21.93350584	0.716731743	18.33189918
8879	6.719909115	7.309515927	5.605086696	1.304086149	0.24790309	3.689083977
8880	7.04618078	7.747543875	5.638282465	1.374096442	0.26761811	3.798059092
8881	8.314491797	8.746000778	7.730199349	1.131406887	0.159772089	1.921609793
8883	8.571101195	9.16468664	7.93133344	1.15550389	0.242324649	2.827228886
8884	6.215363375	7.54222135	2.940503234	2.564942375	0.432600623	6.960182316
8886	7.921744523	8.528006191	7.276929285	1.171923741	0.210765199	2.660590709
8887	9.040574201	10.0492578	8.051685215	1.248093725	0.266643349	2.949407232
8890	7.50863944	8.024416156	6.766686668	1.185870803	0.19333791	2.574872741
8892	8.937161497	10.04356037	8.075235684	1.243748264	0.369574305	4.135253735
8893	6.322411684	6.84860969	5.727200698	1.195804033	0.188347392	2.979043465
8894	7.199099021	7.917638929	6.237883002	1.269283013	0.273835201	3.80374267
8895	8.83895908	10.14037485	5.511772555	1.839766563	0.455227425	5.150237954
8896	6.978223401	8.356044738	5.974090123	1.398714208	0.260920619	3.739069446
8897	6.106690685	7.401993303	5.263480816	1.406292445	0.273500091	4.478695664
8898	6.60151498	7.345050456	6.030081784	1.218068132	0.243349611	3.686269167
8899	6.607368678	7.668169846	5.390867547	1.422437071	0.265812803	4.022975198
8900	4.160938604	5.993942385	0.582633811	10.28766657	0.510271252	12.26336893
8906	6.034930928	7.194501284	5.127853585	1.403023929	0.324973889	5.384881666
8908	4.583476275	5.372749058	2.726310973	1.970702943	0.299138796	6.526461086
8909	4.077076831	5.968823202	2.887027522	2.067463215	0.394427095	9.674262
8910	8.275759003	9.245031041	7.256544526	1.27402664	0.386129263	4.665786703
8912	5.274538517	7.757363406	3.205340637	2.420136979	0.539801339	10.23409606
8913	4.216724573	5.659513159	-3.088847334	-1.83224114	0.735878319	17.45142009
8914	5.363545769	6.052259924	4.616925671	1.310885285	0.253461501	4.725633231
8915	6.065880431	8.004840048	4.92647501	1.624861596	0.371079241	6.117483613
8927	4.39393921	6.149142523	2.925675256	2.101785736	0.415046046	9.445875921
8928	4.581733097	7.16163053	2.763121779	2.591862068	0.426057269	9.299041643
8929	4.119568635	6.488901487	1.841711483	3.523299685	0.612121988	14.85888555
8930	7.260216942	8.58755011	6.021624215	1.426118569	0.342992649	4.724275484
8932	6.010538336	6.788904874	4.615151329	1.471003742	0.268759353	4.471468915
8933	8.815353987	9.445698742	7.697032547	1.22718706	0.31055821	3.522923873
8934	7.008779903	7.753535253	6.33179258	1.224540311	0.237232348	3.384788093
8936	5.150394807	6.159668293	4.184659366	1.471964085	0.339582543	6.593330323
8938	5.031643639	7.432543827	1.818592178	4.086976684	0.479067481	9.521093221
8940	4.982495001	5.975555569	3.775048732	1.582908194	0.304500976	6.111415579
8941	4.470442003	7.711670395	2.36962911	3.254378655	0.528418818	11.82028124
8942	4.625858908	6.360807009	2.888276439	2.202284699	0.642453826	13.88831433
8943	7.474235878	8.328484072	6.687330472	1.245412367	0.291267875	3.896958558
8945	5.236294845	5.924108868	4.315941455	1.372611035	0.204510904	3.905641488
8971	8.105885028	8.943015681	6.488096906	1.378372705	0.408220516	5.036100492
8972	3.640370645	5.108521181	1.107386963	4.613131046	0.554226127	15.22444227
8975	6.887382953	7.50855598	6.025788676	1.246070246	0.281242952	4.083451641

8976	6.672335341	7.175348706	6.048613577	1.186279899	0.24190466	3.625487144
8985	7.638791043	8.348592203	6.531330277	1.278237641	0.333172745	4.361589978
8986	5.126531397	6.880932685	3.701296939	1.859059891	0.351545611	6.857377503
8988	4.127168619	5.192814545	2.764131937	1.87864207	0.292100857	7.077512075
8989	3.669062964	6.10142138	1.615121439	3.777685834	0.491781129	13.40345299
8991	9.707929395	11.04966757	8.041828481	1.374024278	0.549009857	5.655272456
8992	8.709553019	9.454997885	7.937432906	1.191190905	0.268895887	3.08736724
8996	6.454914498	7.309351545	5.45637831	1.339597647	0.315215881	4.883347113
8997	4.42591177	5.706687525	3.410427996	1.673305383	0.282619341	6.385562023
8999	5.369711124	7.415510733	4.226266606	1.754624453	0.672173533	12.5178714
9002	4.178284121	5.85558609	0.497047086	11.78074726	0.569553092	13.63126767
9013	5.813468697	6.496759198	5.01889423	1.294460274	0.283152258	4.870624967
9014	5.891996656	6.434592147	5.310990929	1.211561502	0.268682475	4.560126052
9015	5.340053232	6.283121218	4.322644057	1.45353657	0.381725028	7.148337497
9016	6.358837637	6.996335173	5.103319446	1.370938121	0.286264987	4.501844578
9019	6.200373369	6.785849952	5.453911979	1.244216991	0.21974579	3.544073512
9020	5.318633704	7.154199711	1.732185874	4.130157056	0.764165884	14.36771033
9021	5.862315808	7.44852627	4.666441276	1.596189865	0.53030772	9.046044903
9023	5.094777275	7.517770638	3.057408009	2.458870591	0.949633468	18.63935197
9024	4.190137412	6.548443041	3.1790887	2.059849114	0.403054074	9.619113516
9025	5.203198487	6.714707057	3.980458603	1.686917948	0.284762237	5.472830559
9028	4.390116954	9.327283522	3.247838568	2.871843328	0.579340354	13.19646742
9031	5.846611724	6.759374406	4.914863064	1.375292519	0.223252266	3.818489693
9032	4.316826946	6.833015429	1.56270142	4.372566212	0.525641282	12.176566
9034	4.445647899	6.1481749	0.990960368	6.204259118	0.719391343	16.18192351
9037	5.470205771	6.416685466	4.324425714	1.483823724	0.40953351	7.486619827
9039	8.069916036	8.833166084	7.457072476	1.184535367	0.240184009	2.97628882
9040	7.528754581	8.273906622	6.256536944	1.322441903	0.386095577	5.128279488
9044	7.387537719	8.417937989	6.291755096	1.337931604	0.298562827	4.041438958
9046	5.566440051	7.036594784	1.189514064	5.915520459	0.676619612	12.15533816
9047	4.840887227	6.521249366	1.677559324	3.887343518	0.774960529	16.00864661
9049	7.759932739	8.316241124	7.078677653	1.174829754	0.246321395	3.174272295
9052	7.70997842	9.605057198	6.264969628	1.533137073	0.65988846	8.558888545
9053	6.682067998	8.032127502	5.288916644	1.5186716	0.508809285	7.614548148
9056	6.442321228	8.767752355	4.587391194	1.911272003	0.745576823	11.57310845
9060	7.283765766	8.524382483	4.77093386	1.786732479	0.638753772	8.769554002
9061	8.01556892	8.902257517	7.329575987	1.214566509	0.288445613	3.598566936
9063	5.540634647	6.135148402	4.586618026	1.337619215	0.251066927	4.531374892
9070	7.804521514	8.249371561	6.997981752	1.178821531	0.186411756	2.388509732
9071	3.845652926	8.460015011	2.839569435	2.979330213	0.871748885	22.66842334
9077	5.208833123	7.561612422	3.124735297	2.419920954	0.819651153	15.73579213
9079	6.626428253	8.053434074	5.122388349	1.57220295	0.369577296	5.577322836
9080	4.736613357	6.381877904	2.174363971	2.935055027	0.569937132	12.03258719
9086	4.417278568	8.96410689	-1.135164101	-7.8967498	1.971186599	44.62445754
9087	5.632418516	9.183306206	4.067401432	2.257782115	0.709773672	12.60157905
9091	5.978314861	7.046043951	5.09956499	1.381695098	0.277262066	4.637796317
9092	5.724414281	7.374969905	4.88660163	1.509222659	0.315679353	5.514614025

9094	6.682993146	8.241454359	5.558021095	1.482803721	0.340368276	5.093051402
9095	5.20407218	5.77926448	3.056638017	1.890725839	0.298100157	5.728209492
9097	7.93200921	8.978421761	7.308608346	1.228472143	0.204122217	2.573398641
9100	7.003006859	7.87023719	6.060371569	1.298639382	0.321325238	4.588389596
9104	7.328245189	8.943369876	5.766385954	1.550948887	0.567829119	7.74850056
9107	6.839881639	7.800335744	6.259462885	1.246166946	0.242987167	3.55250544
9110	7.691717886	8.521122406	5.841824712	1.458640549	0.362600755	4.714171272
9111	7.591576638	8.662792269	6.606264121	1.311299716	0.366219682	4.824026667
9114	8.907731036	9.532518014	7.955602307	1.198214497	0.266741922	2.994499056
9118	4.805695879	6.782471725	2.275957128	2.980052498	0.466488086	9.706983081
9119	4.404067524	6.03875379	0.769409609	7.848555202	0.655525078	14.88453742
9121	5.934531844	6.834210495	4.613796995	1.481255136	0.348919921	5.879485186
9122	7.148121487	9.135809285	6.053426222	1.509196437	0.563276041	7.880056913
9125	5.727544125	6.252384241	4.866290659	1.284835757	0.201611274	3.520030036
9126	6.514896141	7.473374068	4.558528025	1.639427032	0.484565572	7.437809628
9127	4.558578643	6.279903086	3.504131652	1.792142451	0.3128851	6.863654755
9128	7.002860862	7.680751635	6.236214522	1.231636854	0.262614217	3.750099021
9129	7.180755198	7.842449321	5.141200668	1.525412025	0.314217704	4.375830894
9130	7.91958826	8.931446485	7.244306683	1.232891825	0.254466083	3.213122633
9131	6.707767573	7.705698307	5.648611077	1.36417576	0.297160221	4.430091207
9133	4.43753127	5.869735578	2.900448907	2.023733487	0.509729728	11.48678616
9135	6.431116886	7.535720851	5.687842511	1.324882121	0.26702573	4.152089518
9136	5.585573992	6.649887844	3.748722229	1.773907864	0.370409045	6.631530539
9139	5.893893342	7.06246656	5.308794142	1.330333475	0.295864991	5.019856549
9140	6.753413888	7.348343316	5.485994318	1.339473374	0.289424999	4.285610263
9142	3.585091924	7.386202775	2.07632347	3.557346858	0.550277403	15.34904586
9143	4.344759927	6.81222529	1.808037379	3.767745827	0.655952068	15.09754461
9145	5.887518646	7.058166209	5.28557872	1.335362991	0.310968295	5.28182268
9146	6.436176094	7.901148672	4.854142769	1.627712461	0.345186646	5.363225636
9148	4.51071729	6.151528281	3.234859584	1.901636879	0.297163399	6.587941111
9149	5.487013175	6.877245772	3.381773449	2.03362108	0.426888301	7.779975876
9150	6.102042417	7.087992087	3.368038403	2.104486719	0.410923641	6.734198373
9152	4.301822823	6.501083717	3.055178134	2.127890235	0.427532709	9.938408117
9154	4.332686497	5.617988834	3.120772252	1.800191869	0.323818445	7.473848963
9156	4.436841771	5.93704987	2.700153501	2.198782354	0.473915018	10.68135945
9158	7.952257934	8.807415831	7.26008313	1.213128786	0.250550288	3.1506811
9159	6.034975854	7.74925698	4.142787818	1.870541606	0.483946052	8.019022178
9167	9.307053587	10.03638853	8.599315205	1.167114856	0.253528585	2.724047761
9168	10.73751883	11.65156625	9.802117645	1.188678474	0.400352302	3.728536439
9169	7.550122754	8.069829751	6.949705838	1.16117573	0.221142686	2.92899458
9172	5.324215243	6.784710548	4.310221214	1.57409799	0.48309198	9.073487045
9173	4.868042285	9.041665216	3.824359499	2.364229937	0.798166454	16.39604603
9175	5.457343265	6.198258004	4.886008147	1.268572998	0.227790981	4.174026999
9179	5.571675412	6.067630789	4.824822645	1.257586286	0.252520401	4.532216663
9180	5.831171628	8.409491073	4.441469325	1.893402939	0.548702066	9.409808208
9182	5.549406293	7.134255213	3.91227082	1.823558629	0.644457981	11.61309782
9183	6.279218387	6.741534984	5.609380784	1.201832296	0.208367139	3.318361081

9184	7.022123524	7.951052121	6.181662626	1.286231974	0.250852751	3.572320391
9185	5.159086753	6.759843705	4.098739575	1.649249381	0.373692224	7.243379338
9187	5.506605072	6.212826949	4.439185851	1.399541979	0.271525982	4.930914384
9188	8.119448218	9.263798689	6.679474498	1.386905316	0.409493567	5.043366937
9194	4.497029255	5.607252084	2.144121404	2.615174716	0.471245273	10.47903507
9197	7.168993408	7.744928133	6.103113116	1.269012713	0.303719705	4.236573925
9201	5.019544681	6.389050122	3.125367099	2.044255897	0.538541003	10.72888155
9202	7.758978193	8.382763309	6.948557005	1.206403474	0.23575971	3.038540693
9203	6.004331719	6.545285119	5.464967335	1.197680556	0.175813462	2.9281104
9211	3.527511519	6.796528854	2.152726615	3.157172307	0.560464866	15.88839224
9212	4.353151422	6.427085602	2.622235022	2.450995257	0.627333673	14.41102346
9215	5.181592178	5.958610886	3.897561663	1.528804776	0.305688257	5.899504367
9217	7.14651562	8.291085303	5.316714281	1.559437815	0.441162165	6.173108521
9218	7.234525965	7.997790526	6.624089597	1.207379582	0.2213538	3.059686297
9221	7.200487857	8.198978653	6.331891457	1.294870373	0.312841218	4.344722528
9223	5.543268078	6.438832666	4.645578483	1.386013107	0.339257184	6.120165571
9228	4.421477655	6.820092821	3.556351897	1.917721592	0.373761429	8.453314891
9229	3.977975487	5.531086507	2.976993925	1.857943498	0.277961272	6.987505911
9230	6.160216035	7.519306649	5.235979902	1.43608394	0.40565864	6.585136587
9235	6.652311345	9.444376348	3.223337181	2.929999506	1.156762797	17.38888541
9242	4.560250625	5.850705498	2.073511229	2.821641579	0.496220455	10.88142946
9244	5.688050505	8.581113026	4.238785845	2.024427121	0.773542268	13.59942685
9246	8.224390821	10.14465937	7.049842307	1.438990963	0.514140359	6.251409615
9249	8.129071112	9.551865302	6.917816533	1.380763028	0.523842231	6.444060131
9252	5.467234818	6.337171168	3.825758917	1.656448121	0.352974042	6.456171234
9254	6.248116191	8.361278023	4.985139898	1.677240397	0.434752425	6.95813604
9255	7.592305102	8.395643899	6.553453853	1.281102162	0.279045829	3.675376909
9256	6.23718118	7.494869724	4.830715736	1.551502952	0.361077792	5.789118224
9258	6.764856031	7.958473387	5.616378852	1.417011494	0.385160788	5.693554848
9260	4.914508614	5.608802978	3.875171441	1.447368991	0.299052582	6.085096297
9261	6.609062932	7.503887174	5.608715282	1.337897682	0.299901147	4.537725693
9262	5.2822006	8.459709593	2.896676519	2.9204882	0.943940584	17.87021462
9263	5.652994325	8.349521086	3.36524124	2.481106254	0.791242373	13.99687188
9265	6.106551064	7.09615434	4.772884686	1.486764254	0.329307726	5.392695855
9266	6.558516943	7.683399816	5.998232529	1.280943974	0.231295101	3.526637245
9267	6.704609983	7.991372234	6.033075384	1.324593466	0.318155379	4.74532269
9270	6.568401235	7.334705914	5.727890754	1.280524757	0.261441616	3.980293017
9271	4.453971798	6.498544864	2.614124196	2.485935777	0.600832441	13.48981243
9275	7.270372268	7.951606693	6.647855191	1.19611611	0.244937063	3.368975539
9276	7.174000821	8.058795219	6.682918612	1.205879599	0.23657792	3.297712472
9277	6.825548862	7.373007133	6.186862864	1.191719825	0.211001928	3.091354738
9278	6.414262567	8.491318472	5.548331448	1.5304274	0.338529991	5.277769467
9282	5.663614387	6.424853743	4.489279496	1.431154765	0.237268851	4.189353914
9289	8.229826427	9.817513508	6.778059037	1.448425494	0.619627454	7.529046441
9294	5.166784671	6.869422156	3.849554717	1.784471883	0.377391951	7.304193517
9295	7.442609739	8.391579311	6.868601777	1.221730359	0.269323886	3.618675381
9306	5.989981141	6.676552385	5.225212902	1.277757004	0.305801541	5.105217094

9308	6.992056564	9.417279274	5.974431151	1.576263754	0.719833179	10.29501367
9314	7.307803527	9.895503275	4.987476435	1.984070181	0.868878	11.88972851
9315	6.126190074	9.872477203	4.493271092	2.197169278	0.507575293	8.28533373
9318	7.580726656	8.505164301	6.845326316	1.242477555	0.299311998	3.94832859
9319	4.609178442	7.120411616	2.615620746	2.722264543	0.648078848	14.06061528
9320	7.565527812	8.062010483	6.854231544	1.176209241	0.194876362	2.575846222
9321	5.964557351	6.582417344	5.401769548	1.218566858	0.221732222	3.717496693
9322	6.508515846	7.582223921	2.492544693	3.04196107	0.579917978	8.910141607
9324	9.784374925	10.31699073	9.105495249	1.133051025	0.249599032	2.550996194
9325	7.928310734	8.797922816	7.178958191	1.22551526	0.281332023	3.548448493
9326	7.960848603	8.802370316	7.328419494	1.201128064	0.283602573	3.562466612
9331	4.325124064	5.602866494	3.60450027	1.554408676	0.287274051	6.641984056
9332	5.809374265	8.341962666	3.214317432	2.595251665	0.935314021	16.100082
9334	6.907152871	8.292370767	5.960370608	1.391250866	0.348212152	5.041326839
9337	7.349345455	8.101939702	6.440601009	1.257947774	0.262494934	3.571677713
9338	8.166857569	9.671348072	7.255496106	1.332968543	0.404926304	4.958165367
9341	8.369723296	9.500700657	7.69678002	1.234373418	0.288864505	3.451302926
9344	5.743969526	6.309224426	5.129206921	1.230058472	0.222711953	3.877317803
9351	4.956450979	6.805353111	3.736576023	1.821280517	0.406272448	8.196841848
9352	8.823247212	10.158667	7.531710506	1.348786174	0.499550677	5.661755419
9353	7.22331315	8.906536702	4.785157309	1.861283993	0.613910998	8.499022337
9354	8.731000721	9.211721128	8.264106473	1.114666317	0.179164433	2.052049234
9355	3.92954307	5.028268061	2.033546006	2.472660095	0.424044266	10.7911851
9356	4.181268827	6.626633113	3.186651014	2.079497593	0.337862559	8.080383561
9358	5.082641472	6.268960687	3.199403509	1.959415457	0.556336819	10.94582063
9360	7.628258949	8.296076091	6.366250897	1.303133701	0.356956787	4.679400491
9362	4.810108539	6.066896027	3.306194452	1.835008835	0.305604301	6.353376415
9363	4.69172934	7.471371603	2.684542016	2.783108462	0.693498271	14.78129322
9364	6.136255407	6.921575245	5.255303124	1.317064893	0.187986443	3.063536811
9367	8.310185567	9.353026813	7.815089939	1.196790681	0.27360534	3.292409506
9368	7.341171526	8.342137614	6.315726242	1.320851679	0.413124213	5.627497073
9369	4.293315966	5.133181332	3.239310136	1.584652632	0.245638377	5.721413923
9370	4.77175971	8.669807635	2.594992289	3.340976261	1.168308498	24.48380826
9371	7.381758037	7.870933079	6.625779785	1.187925548	0.221175598	2.996245562
9372	5.661752721	6.713140321	4.684745251	1.432978735	0.354888637	6.268176211
9373	5.931297971	6.590633908	4.324362887	1.5240705	0.315781954	5.323994103
9375	9.623746501	10.46988095	9.052620967	1.156557972	0.243147088	2.526532547
9377	8.215285918	9.119803621	7.109241377	1.282809675	0.288545687	3.512302431
9378	3.84324409	5.363299388	2.757552802	1.944948936	0.356559758	9.277572534
9379	5.213715406	6.821650637	3.868262607	1.763492123	0.430877426	8.264306592
9380	8.308311259	8.968448497	7.850729648	1.142371334	0.211188835	2.54189845
9389	5.350446903	6.52949526	4.454629098	1.465777535	0.288934268	5.400189425
9390	4.186384379	7.248302405	2.997573623	2.418056507	0.412003374	9.841508483
9391	7.125151298	7.632132912	6.664011087	1.145276143	0.176947957	2.48342736
9392	6.531127311	7.385638051	4.53490803	1.628619148	0.317090931	4.855071969
9394	5.445555227	6.626709571	4.59304674	1.442769897	0.251832627	4.624553718
9399	6.370022476	8.272626789	5.592073469	1.479348731	0.385875851	6.057684286

9400	4.9746297	5.898296017	3.757967542	1.569544162	0.227873431	4.580711427
9401	5.179454625	6.895089576	3.702873716	1.862091474	0.395999642	7.645585691
9403	10.14382951	10.89417987	9.451225786	1.15267375	0.247100252	2.435966139
9404	6.217809404	7.616920778	5.278917958	1.442894328	0.467742009	7.522617348
9410	7.007889272	7.961893452	6.331971846	1.257411379	0.29727282	4.241973701
9411	5.780367416	6.928996667	4.406104823	1.572590064	0.361817638	6.259422837
9413	9.223865364	10.9454697	7.337401905	1.491736426	0.763415543	8.276525222
9414	6.406396997	7.336046107	5.796213645	1.265661785	0.302095416	4.715527561
9415	5.209070772	7.39069843	3.532284912	2.092327945	0.398336025	7.646968959
9416	7.251517973	7.718701538	6.617299962	1.166442746	0.204264576	2.816852643
9420	6.214002105	8.165461832	5.420127131	1.506507437	0.438434471	7.055589348
9422	6.575125696	7.587424932	5.549520361	1.367221749	0.387614844	5.895170102
9429	5.734062785	7.462649803	4.151099239	1.797752685	0.595653929	10.38799106
9435	6.034759434	7.54630837	5.147089374	1.466131209	0.423655038	7.020247331
9444	6.296142062	7.140727973	5.272604371	1.354307562	0.292161821	4.640330825
9445	10.88830306	11.52369582	10.12070503	1.138625796	0.219291979	2.014014283
9446	9.143777807	10.03362016	8.435552004	1.189444407	0.298709189	3.266802794
9447	4.907383897	9.097192055	1.958790654	4.644290107	1.325379795	27.00786862
9448	6.093342592	7.037299417	5.048633199	1.393901902	0.40607458	6.664233522
9450	5.796667978	9.788936259	4.27720509	2.288629152	1.081386707	18.65531563
9452	8.824319933	10.02595368	7.58186009	1.322360682	0.379569403	4.30140119
9453	7.451935023	8.129111518	6.917453309	1.175159579	0.232631111	3.121754414
9454	6.387767878	8.220309697	5.234799347	1.570319921	0.358043349	5.605140254
9455	6.468396901	7.934459341	4.964983909	1.598083596	0.548733592	8.483301203
9459	6.713601772	8.828853275	5.257399343	1.679319508	0.768561284	11.44782354
9462	4.703244927	5.24599517	3.413764715	1.536718435	0.270791883	5.757554354
9463	5.876529979	7.168999017	4.957558752	1.446074444	0.343241418	5.840886018
9466	5.545091865	6.580261114	4.130423524	1.593120191	0.413739868	7.461370847
9467	8.210824747	9.691157044	7.446648093	1.301411981	0.409235368	4.984095757
9468	4.011037108	6.10668948	2.291679888	2.664721854	0.398475271	9.934469816
9470	6.887915736	7.403922533	5.808724765	1.274620994	0.210008371	3.048939321
9472	4.50658201	6.485564796	2.834796335	2.287841534	0.450216963	9.990209022
9473	6.286366102	8.126898003	4.726096628	1.719579315	0.700007524	11.13532862
9474	7.099852573	7.805298491	6.391293262	1.221239297	0.255026464	3.591996609
9475	6.705062367	7.514539716	5.486263772	1.369700771	0.308706213	4.604076688
9477	6.23384071	7.023270485	5.468193874	1.284385786	0.258807914	4.151660688
9478	3.956039136	5.435752041	2.917824071	1.862947151	0.292296043	7.388603435
9479	4.898331468	7.646617726	2.412280545	3.169870827	0.614863572	12.5525105
9486	6.622476458	7.804873731	5.586772505	1.397027304	0.351531716	5.308161052
9487	5.303683117	6.525998878	3.922460083	1.663751508	0.273535155	5.15745661
9488	6.887706734	8.016570946	6.298660633	1.272742161	0.297715807	4.322422818
9491	6.790137069	7.863204571	6.346509267	1.238981027	0.197145127	2.903404234
9493	3.274319753	5.416383051	0.468842128	11.55267994	0.671569616	20.51020264
9495	3.9844113	5.553431199	2.580183087	2.152339974	0.362513462	9.0982942
9497	5.01879576	6.715329243	3.508412741	1.914064775	0.471029236	9.38530394
9498	4.392590291	5.379303449	3.334174078	1.613384101	0.304266976	6.926823479
9508	5.543518454	6.353974854	4.742464295	1.339804469	0.36986434	6.672014223

9509	4.824286904	5.946688577	2.740783128	2.169704168	0.519535735	10.7691716
9512	7.108869044	8.116094679	6.622412098	1.225549627	0.236973797	3.333495046
9513	6.94219516	7.628356352	6.370711942	1.19741034	0.243810576	3.512009827
9514	3.996057609	5.684994925	2.731080615	2.081591768	0.432228187	10.81636526
9516	7.890591929	8.918269352	7.167226092	1.244312547	0.280496917	3.554827315
9517	5.892749965	7.58821183	4.832554433	1.570227906	0.29852741	5.06601183
9518	5.054274571	6.443845663	2.239785778	2.876991954	0.572338659	11.32385372
9519	7.412342966	8.441265527	6.704195228	1.259101986	0.284302961	3.83553435
9522	7.076203695	7.883377973	5.661818441	1.392375622	0.449913699	6.358122492
9525	7.977309214	8.451900559	7.50533199	1.12611948	0.201498872	2.525900227
9526	6.375496183	7.13654492	4.568936481	1.561970701	0.348815086	5.471183351
9527	6.702411341	7.503057349	6.040478335	1.242129668	0.269412199	4.019630929
9528	8.130306694	8.650777613	6.644878224	1.301871505	0.247542838	3.044692503
9529	7.296087671	7.972362764	6.5980647	1.208288055	0.270935046	3.713429143
9533	6.972582437	7.604379443	6.35843769	1.195950926	0.254068363	3.643820134
9534	5.920602119	7.209638769	5.036241208	1.431551522	0.354613251	5.98947951
9535	7.527283194	10.31642277	5.95747892	1.731675917	0.826885507	10.98517866
9536	5.333290945	6.575519793	3.50255867	1.877347509	0.426675955	8.000237732
9537	5.388136917	5.979559236	3.857870614	1.549963654	0.276483429	5.131336356
9538	7.595416482	8.454961203	7.004262021	1.207116635	0.248575409	3.272702816
9540	6.947984395	8.074543319	5.604910096	1.440619596	0.328269091	4.724666499
9541	7.041058751	7.798103592	5.349257491	1.457791779	0.369307965	5.245062969
9542	4.492633515	5.84752035	3.199047664	1.8278941	0.317070131	7.057556101
9546	6.228328228	7.186942108	5.128484361	1.401377405	0.334615826	5.372482203
9550	8.319778458	9.005296818	7.890374647	1.14130155	0.211960478	2.547669735
9552	8.781275993	9.594593595	7.562505291	1.268705703	0.249365225	2.83973793
9553	8.919746278	9.7272453	8.309371863	1.170635454	0.26642956	2.986963431
9554	7.317843902	8.069799379	5.525266849	1.460526631	0.336089911	4.592745013
9556	8.967869253	9.761591269	8.290044138	1.177507756	0.293311831	3.270697001
9557	5.395087855	5.989654963	4.263494041	1.404870021	0.257727879	4.777084005
9559	7.191555407	7.973649972	5.775470979	1.380606015	0.277506209	3.858778715
9562	7.438463898	8.117097961	6.864503515	1.18247415	0.272271382	3.660317321
9563	6.020905674	6.746624902	5.380829893	1.253826089	0.238558208	3.962164845
9567	5.24671195	6.194559514	4.311933264	1.436608392	0.22949406	4.374054876
9568	5.962990278	7.99206982	3.078439184	2.596143481	0.761378143	12.76839484
9570	6.087138845	6.626894042	5.322669478	1.245032041	0.197036273	3.236927526
9575	6.568356931	7.630328686	5.726246025	1.332518486	0.307563285	4.682499568
9576	3.73581123	5.57108883	1.557144742	3.577759138	0.399237551	10.68676993
9577	7.276630497	7.648360391	6.442941844	1.187091328	0.182314092	2.505474098
9581	7.465133317	8.312711944	6.552440143	1.268643706	0.333918021	4.473034931
9582	5.565361133	10.37360603	3.120824904	3.323994888	1.139739531	20.47916574
9583	6.194119143	7.273062601	4.726836483	1.538674466	0.341593289	5.514800107
9584	8.158072071	8.884367892	7.382091052	1.203502887	0.252657394	3.097023318
9585	4.557739704	5.983556334	3.215302362	1.860962255	0.29774448	6.532722345
9587	6.778970601	7.37609286	5.958723573	1.237864581	0.278920421	4.114495221
9588	9.702207828	10.57809273	9.217605582	1.14759659	0.224361478	2.312478581
9590	7.054908891	8.373939537	5.004020447	1.67344231	0.593712529	8.415594565

9592	10.0442098	11.77166786	8.213474158	1.433214208	0.697806624	6.947352142
9595	5.408334528	9.476765785	2.611698239	3.628583748	1.627044542	30.08402187
9600	6.203421641	7.694490465	3.900094443	1.972898497	0.425680774	6.86203194
9601	8.970691442	10.03436308	8.22607083	1.219824541	0.343053108	3.824154588
9603	4.30052159	6.917739	2.031282106	3.405602295	0.862595414	20.05792543
9604	7.06072385	7.726963695	6.541696545	1.181186508	0.244637917	3.464771066
9605	6.044283069	7.152338688	3.870479792	1.847920432	0.424127034	7.016994887
9607	5.448148612	7.780912137	2.213895365	3.514579894	0.852229889	15.64255952
9609	7.049979346	8.495488563	5.650924926	1.503380185	0.479005563	6.794425054
9610	5.618048005	6.407464211	3.23333719	1.981687598	0.394452063	7.02115864
9618	6.087338692	7.407038755	5.428317038	1.364518451	0.352037823	5.783115432
9619	5.656159353	6.436143368	4.909090089	1.311066461	0.316762365	5.600308351
9625	6.079996886	7.23318469	4.788132056	1.510648538	0.300650052	4.944904705
9628	4.910473365	6.491870341	3.751300167	1.730565418	0.392817435	7.999583873
9631	6.240764984	6.973418247	3.133295345	2.225585998	0.438548591	7.027160809
9635	3.616472999	4.534937626	1.462559967	3.100684915	0.478512486	13.2314685
9636	7.389982179	10.22385948	5.617668118	1.819947221	0.73105925	9.892571217
9637	6.970473146	7.523013651	5.837694823	1.288695946	0.249429059	3.578366263
9638	5.318023611	6.337995738	3.735022594	1.696909611	0.330730709	6.219053034
9639	5.985305662	7.281258221	5.193090621	1.40210498	0.335126013	5.59914617
9640	6.551938969	7.469604164	5.356106346	1.39459594	0.228431512	3.486471915
9643	8.062714832	9.575784842	7.029017469	1.362321958	0.479179583	5.943154298
9644	5.387437911	5.919167579	4.169989984	1.419468057	0.321722956	5.971724625
9645	5.529940271	6.480229767	4.306156647	1.50487553	0.350772833	6.343157711
9646	8.260263424	8.745349929	7.447485853	1.174268753	0.224205691	2.714268056
9647	6.167116267	7.15493338	4.863622564	1.471111972	0.280783048	4.552906679
9649	5.671398492	6.920874242	5.267011644	1.314003976	0.355193481	6.262890558
9650	5.973523814	6.850649112	4.468784018	1.533000719	0.343079026	5.743327333
9651	5.059862249	6.622027587	3.789278752	1.747569398	0.458131552	9.054229735
9652	7.112956583	7.975736908	6.024501345	1.323883331	0.349516099	4.913794923
9653	5.973279437	6.591648382	5.262434246	1.252585415	0.257182686	4.30555256
9654	5.042826088	5.521233627	3.542731191	1.558468122	0.250796181	4.973325995
9655	6.86462506	7.704601775	6.219909453	1.23869999	0.274218541	3.994661591
9657	6.470660739	7.660310514	5.621466496	1.362688992	0.302162006	4.669724124
9659	4.818879464	5.643300233	3.098830508	1.821106452	0.354153849	7.349298756
9662	5.419356563	6.525992665	3.137324734	2.080113861	0.396384718	7.314239489
9663	6.953301404	7.617303633	6.203874799	1.227830006	0.231993371	3.33644923
9665	6.754158735	7.842915746	5.143490631	1.52482357	0.425790174	6.304118553
9666	6.350070591	7.159344587	5.546900421	1.290692827	0.29260611	4.607919012
9667	7.170794948	8.120259846	6.307631292	1.287370721	0.32906867	4.589012415
9669	6.790397684	7.727352442	5.778446619	1.33727158	0.349311066	5.144191574
9670	7.102042662	8.716370305	5.555638319	1.568923282	0.386672845	5.444530028
9672	5.633670387	6.706540161	4.307001178	1.557125221	0.393175345	6.979026432
9673	7.131176335	8.256317046	6.299478888	1.310634926	0.282236909	3.957788943
9674	6.046568582	7.109465347	5.264837334	1.350367523	0.359026888	5.937696442
9675	7.012646098	7.467115735	6.423728411	1.162427061	0.207583516	2.960131071
9677	5.711952461	6.344625794	4.709963991	1.347064607	0.216862094	3.796636881

9678	5.851710344	6.304574694	5.141510509	1.226210601	0.207678256	3.549018049
9681	5.7476087	7.974901888	3.153443893	2.528949986	0.475467592	8.272441924
9682	6.705172176	7.369390796	6.096496725	1.208791069	0.222829724	3.323251334
9683	7.025608504	8.219176512	6.116963796	1.343669308	0.270854399	3.855244696
9685	7.389611022	8.029341865	6.001543265	1.337879527	0.289399743	3.916305508
9686	8.180619667	9.047913783	7.419733752	1.219439145	0.284840261	3.481891011
9687	3.719636903	4.521748599	2.02615719	2.231686969	0.270604164	7.275015564
9688	6.639986814	8.279654977	5.496254727	1.506417622	0.324556329	4.887906227
9690	5.137431392	7.046396101	4.415576599	1.595804295	0.24663951	4.800833164
9692	7.544327791	8.041202632	6.797670307	1.182935075	0.173299983	2.29708978
9693	6.714942348	7.522085904	5.757205595	1.306551552	0.341435503	5.084712354
9694	7.869456877	8.874740282	6.924345357	1.281672104	0.310884878	3.950525212
9695	7.290136234	8.956464741	5.860381829	1.52830737	0.461328774	6.32812281
9697	6.781837318	7.962418245	5.501264117	1.447379743	0.451457141	6.656855951
9699	4.583901542	5.972210621	3.202490477	1.864864444	0.408784739	8.917834199
9700	4.727282019	6.009753328	1.886424958	3.185789767	0.5780588	12.22814288
9701	6.082977009	7.091327384	5.384898744	1.3168915	0.255490888	4.200096225
9702	7.022680865	7.988715492	6.108079597	1.307893155	0.292268631	4.161781474
9703	6.931183125	7.551398821	6.076193554	1.242784443	0.24625442	3.552848267
9704	4.979539616	6.109877822	4.188713687	1.458652531	0.255341578	5.127814973
9705	3.65893551	5.915308437	2.595989791	2.278633166	0.364187275	9.953366871
9706	5.773134438	6.664698142	4.511682506	1.477209031	0.281252695	4.871750309
9709	8.015169259	9.585459178	7.208121977	1.329813675	0.309023843	3.855487431
9715	4.16392851	6.243469038	2.460838402	2.537130854	0.41994287	10.08525648
9716	6.232838463	6.807634972	5.399774106	1.260725882	0.206082217	3.306394329
9718	5.061356332	6.947975354	4.020731117	1.7280378	0.319040859	6.303465665
9719	4.920479097	7.613006997	3.611089051	2.108230201	0.51414003	10.44898311
9721	5.432684793	6.317317556	4.421025146	1.42892595	0.292192774	5.378423095
9722	4.715604327	6.859363648	2.721959299	2.520009631	0.379351527	8.044600458
9725	5.476541757	6.247003899	4.400683961	1.41955295	0.282463039	5.157689861
9726	4.939357994	6.480074876	3.159614004	2.050907126	0.391755527	7.931304594
9727	5.859014203	6.897500523	5.027807107	1.371870554	0.312779304	5.338428834
9728	7.773947859	8.67550538	7.028564546	1.23432108	0.353250486	4.544029523
9731	5.421589013	6.23651346	4.39223086	1.419896553	0.252409701	4.65564064
9732	4.933227427	5.676046594	3.779965448	1.501613354	0.278201012	5.639330764
9733	6.372040888	6.791484415	5.855798088	1.159788011	0.203966268	3.200956673
9734	4.741046526	5.799948457	3.860119461	1.502530819	0.349372258	7.369095758
9735	4.998820954	7.022029831	1.668756128	4.207942498	0.607718821	12.15724322
9738	5.948747973	6.644420503	4.735511896	1.403105018	0.281613669	4.73399899
9739	5.836133158	7.95876685	4.984061145	1.596843742	0.437244804	7.492029264
9741	10.73088828	11.65509844	9.976743482	1.168226733	0.232330776	2.165065648
9742	5.254176853	6.670073332	4.227168729	1.577905629	0.375931803	7.154913384
9743	5.034494655	5.856078696	4.273446713	1.370340872	0.30934817	6.144572413
9745	5.410394668	6.975322779	4.412728087	1.580727985	0.540823061	9.996000178
9746	6.057509385	6.833716118	5.341409687	1.279384379	0.313238212	5.171072673
9748	7.926740697	8.46924221	6.980729069	1.213231759	0.278778625	3.516938868
9749	7.276748498	8.365355503	6.250955442	1.338252301	0.438406686	6.024760731

9750	5.033893627	8.329203542	1.679346009	4.959789999	1.129616227	22.44020852
9753	4.802317092	6.123390622	3.636441039	1.683896578	0.296794518	6.180235755
9755	5.370242908	7.773199588	2.219614882	3.502048779	0.471992099	8.789026997
9757	5.225273796	6.170737363	4.332198565	1.424389319	0.26103897	4.99569936
9759	5.854868255	6.926876699	5.244392657	1.320815803	0.314291605	5.368038886
9760	5.075849522	7.321584377	2.949323696	2.482462128	0.72771487	14.33680937
9761	8.940799384	9.763107955	8.121207273	1.202174458	0.353191274	3.950332162
9764	5.315925893	6.848703941	3.821117932	1.792329905	0.338059143	6.359365238
9765	5.642042648	6.910920628	4.875698713	1.417421591	0.288631025	5.115718602
9766	8.496659164	9.328255036	7.832683674	1.190939839	0.303571739	3.572836488
9767	6.071270834	7.13806354	4.135198399	1.726171963	0.41604559	6.852693627
9768	5.737247944	8.344696507	4.406432403	1.893753437	0.694649562	12.10771382
9770	6.255338905	8.89908019	4.276056868	2.081141684	0.953369432	15.24089176
9774	7.469119109	8.175426134	6.538384709	1.250373983	0.311832235	4.174953298
9775	8.816090319	9.739573074	7.978035687	1.220798384	0.252958137	2.869277969
9776	7.186779873	7.939774766	6.700749496	1.18490846	0.202827924	2.822236488
9777	6.68836174	7.343900947	5.821849898	1.2614377	0.27361499	4.09091196
9779	7.623301281	8.349133332	5.910118354	1.412684625	0.281456013	3.692048928
9780	5.885270603	6.308048761	4.485404558	1.406350014	0.318976007	5.419903836
9783	5.120906666	6.019886453	3.885573966	1.549291432	0.322558852	6.298862164
9785	6.224118797	6.974237833	5.224631106	1.334876605	0.255283708	4.101523712
9786	5.89573465	6.801223777	5.329209765	1.276216189	0.188772746	3.20185282
9787	3.8653464	8.689520926	-1.937669039	-4.484522769	1.34554593	34.81048762
9788	5.532187412	6.572527357	4.188923708	1.569025319	0.32080842	5.798943466
9791	8.657540675	9.16374855	8.130138791	1.127133101	0.199305266	2.302100253
9792	7.54035901	9.033741375	6.839293923	1.320858772	0.372245967	4.936714113
9793	6.714902637	7.299458928	5.785412977	1.261700583	0.317917734	4.73450996
9794	7.544320273	8.133126296	6.754557661	1.204094584	0.222814627	2.953408903
9796	4.913462552	7.191092434	3.672627156	1.958024087	0.463575642	9.434805643
9797	6.338183934	7.580146283	4.729620874	1.602696386	0.297566964	4.694830053
9798	7.713716691	9.544022006	7.276029229	1.311707486	0.259855902	3.368750926
9801	6.199483228	6.860040837	5.519854834	1.242793704	0.282503284	4.556884403
9802	8.699815568	9.428550455	8.186163625	1.151766675	0.20393935	2.344180158
9805	7.246692968	7.715121593	6.35606437	1.213820557	0.26979839	3.72305535
9806	6.018106616	7.951901391	3.649891485	2.178667893	0.681103004	11.31756295
9807	6.955007588	7.541398991	6.055470195	1.245386196	0.243684714	3.503730381
9812	6.525681379	7.22536415	6.089954812	1.186439698	0.195000246	2.988197479
9814	5.695599267	6.848653232	4.616031672	1.483666863	0.280160579	4.918895558
9815	5.789804535	6.54079872	3.628471793	1.802631822	0.29874317	5.159814436
9817	7.409379823	7.970165825	5.637756451	1.413712333	0.294782004	3.978497669
9818	6.07702305	6.848242891	5.352754786	1.279386627	0.30522479	5.022603796
9819	5.510189304	6.208001754	4.596606057	1.350562062	0.246403161	4.471773059
9820	5.701732417	6.593445761	4.58061902	1.43942243	0.230160189	4.036671175
9821	7.839004133	8.785182428	6.811234031	1.289807748	0.299300453	3.818092807
9823	9.010409716	10.06563868	8.091080335	1.244041372	0.371743491	4.125711287
9825	6.466410801	7.461957781	5.577022117	1.337982462	0.288587466	4.462869356
9826	5.499267565	6.625426842	4.080754496	1.623578887	0.289418152	5.262849078

9827	6.847116221	7.845426773	5.779144869	1.357541116	0.301882009	4.408892727
9828	6.887067999	8.120060876	4.381149475	1.853408774	0.419139526	6.085892089
9829	4.380599117	5.489149794	3.173147189	1.729875568	0.354941753	8.10258469
9830	5.096686994	6.039261019	4.393632551	1.374548497	0.34383476	6.746240458
9831	5.74162529	6.779748673	4.207942024	1.611179202	0.368163068	6.412175121
9832	3.736266374	5.15405412	1.5469883	3.331669749	0.435626309	11.6594018
9833	4.511029896	7.736369434	0.579846731	13.34209373	1.019142645	22.59223876
9836	6.080205086	7.397310379	4.89879479	1.510026587	0.306805423	5.045971613
9839	5.371764979	6.603163964	3.195494914	2.066397895	0.488468839	9.093265267
9841	5.689053164	6.594383497	4.111267798	1.603978097	0.300213739	5.277042252
9843	4.932635289	5.751755784	2.73799897	2.100715101	0.380009432	7.703983975
9844	8.204596377	9.442359409	7.057519715	1.337914705	0.55820014	6.803505189
9846	6.333854772	7.576472146	5.187083159	1.460642121	0.354591571	5.598353347
9847	8.438701879	8.95540016	7.60406931	1.177711538	0.262733993	3.113440873
9848	4.521897233	5.905801037	3.140770664	1.880366849	0.357325636	7.902117581
9849	6.101179199	6.915766771	5.240116142	1.319773567	0.341037706	5.58970152
9851	6.47818991	7.108418105	4.354262599	1.632519386	0.311800363	4.813078461
9852	8.169559296	9.127623725	7.216217565	1.26487646	0.326668608	3.998607466
9853	6.389828608	7.701914879	3.226854945	2.386817818	0.501933161	7.855189738
9854	4.916490705	6.295631964	3.441427548	1.829366411	0.325462209	6.619807263
9855	5.177154567	5.738405582	4.341013717	1.321904503	0.187983388	3.631017487
9856	3.89219919	6.550597759	2.008790734	3.260965738	0.588126561	15.11039215
9857	7.124915444	7.659325213	6.484010082	1.181263619	0.264722985	3.715454404
9858	6.918735222	7.763361526	5.686861721	1.365139845	0.336810259	4.868090023
9860	5.572296445	6.245837331	4.793033265	1.303107445	0.245317607	4.402450765
9863	5.84018532	6.927786409	4.759052177	1.455707177	0.407758925	6.981951823
9865	6.195829936	7.471738841	4.979369956	1.500539006	0.519942267	8.39180986
9867	9.135652132	10.37545908	8.342799307	1.243642416	0.346035384	3.787746943
9868	7.82567458	8.380977336	7.334063314	1.142746794	0.193061841	2.467031292
9869	6.523017754	7.536477088	5.906625919	1.275936075	0.209776825	3.215947486
9871	5.763171472	7.491742334	4.951780376	1.512939138	0.403254081	6.99708629
9873	6.37502847	7.445439421	4.114565871	1.809532197	0.453155402	7.108288281
9874	5.875820952	6.848911711	5.293212759	1.293904482	0.213104215	3.626798992
9875	4.979039245	5.898119984	3.853637012	1.530533355	0.236444837	4.748804438
9878	6.761780072	7.208722065	5.943749278	1.212824049	0.208331507	3.081015721
9879	7.433321319	8.040928525	6.629886295	1.212830532	0.195090598	2.624541438
9880	5.719997358	6.970278877	5.01798876	1.389058288	0.283816223	4.961824366
9882	8.358890241	9.320236707	7.382174193	1.262532753	0.369110409	4.415782462
9885	6.931330411	7.351472383	6.239658381	1.178185076	0.208441779	3.007240547
9886	5.929365542	6.957329956	4.844888307	1.43601452	0.392890808	6.626186307
9887	5.778269464	6.440840867	4.537438759	1.41948822	0.244488091	4.231164574
9890	4.454168643	5.740982789	3.418445364	1.679413352	0.514704095	11.5555592
9891	6.780214564	7.626777675	5.186563742	1.470487601	0.425188953	6.271025032
9894	5.819464329	6.999564188	5.08713301	1.375934966	0.245750295	4.222902329
9895	6.035021969	6.475732462	4.870168894	1.329673078	0.262089609	4.34281118
9896	7.56046789	8.084237314	7.060101957	1.145059571	0.197814094	2.616426609
9897	7.366449499	7.844822424	6.842773622	1.146438982	0.171922928	2.333864198

9898	6.986231593	7.506296995	5.836589432	1.286075898	0.215351367	3.082511133
9899	4.460594887	5.97283101	3.326684043	1.795430805	0.329145407	7.378957635
9901	5.076545173	6.35324307	3.695390366	1.719234625	0.34076608	6.712558801
9902	6.537149996	7.538708475	5.674511561	1.328521124	0.318319539	4.869393229
9903	6.78513855	7.629883871	5.578004508	1.367851865	0.392598569	5.786154043
9904	5.737001798	6.497259309	4.25162954	1.528180959	0.282667292	4.927090869
9905	6.893649992	8.177541103	6.098274681	1.340959785	0.332152741	4.818242023
9908	7.780286519	8.739494845	6.917550719	1.263379945	0.313021696	4.023266953
9911	4.978644389	6.236459466	4.053573391	1.538509079	0.266425381	5.351363958
9912	6.085232566	7.695346554	5.29730131	1.452691871	0.436818875	7.178343142
9913	6.481433994	6.983235577	5.970803378	1.169563815	0.183846099	2.836503451
9915	6.342728864	8.450928362	4.799971933	1.76062037	0.52606224	8.2939418
9917	7.353692593	7.932272133	6.593942741	1.202963454	0.247787019	3.369559115
9919	7.773111946	8.586777519	6.84243827	1.254929483	0.305238791	3.926854432
9920	5.987613659	7.465488521	4.700577275	1.588206742	0.588351332	9.826140514
9921	7.453229484	9.137229802	5.725288558	1.595942232	0.295966233	3.970979741
9922	6.900542418	7.5522914	5.882148077	1.283934253	0.250250034	3.626526999
9923	6.041386105	7.00492475	4.208522412	1.664461791	0.317664632	5.258141529
9924	7.571136361	8.553217995	6.739803647	1.269060412	0.314497804	4.153904892
9925	7.478141229	8.032347653	6.810612486	1.179386974	0.215583002	2.882842077
9926	7.730512542	8.434600964	6.701477701	1.258618075	0.343489266	4.443292273
9927	6.522761919	7.344350942	5.655852193	1.298540112	0.285568037	4.378023306
9928	3.828104213	5.756305231	2.2019648	2.614167688	0.612751934	16.00666805
9929	7.605740698	9.064989191	6.1583634	1.471980233	0.388396705	5.106625643
9931	6.920252472	7.450982176	6.363067085	1.170973381	0.226016265	3.266011841
9933	6.072199611	6.728542077	4.764035524	1.412361861	0.264022866	4.348059735
9934	6.179095666	8.035124472	3.395189804	2.366620112	0.720289573	11.65687686
9937	5.773983725	6.719689779	3.84886675	1.745887872	0.350896915	6.07720652
9938	5.373773712	8.739061697	3.54368952	2.466091244	0.748496853	13.92870063
9940	4.747258696	6.187749238	3.481928712	1.777103941	0.364458867	7.677248917
9941	4.864698798	6.154421204	3.3935557	1.813561276	0.306763945	6.305918582
9943	7.547362035	8.538540759	6.159686066	1.386197392	0.325649297	4.314743285
9945	6.219944337	8.381049992	2.583383687	3.244214181	0.790487179	12.70891082
9947	3.77600252	6.473683516	0.572140416	11.31485093	0.598105723	15.83965371
9948	7.658151101	8.351648827	6.814552889	1.225560791	0.249367797	3.256240225
9949	5.403508525	6.03075057	4.556221324	1.323629855	0.258475248	4.783470712
9957	4.642522502	6.442416786	3.456676194	1.863760568	0.366404806	7.892364668
9962	5.75953848	6.859106978	4.489230522	1.527902598	0.344183216	5.975881878
9971	3.591150011	4.821551231	1.555367657	3.099943097	0.378533203	10.54072377
9972	6.192550071	6.994853584	5.277207655	1.325483862	0.258167427	4.169000237
9973	7.209461249	7.884579449	6.297157875	1.252085402	0.271695545	3.768597068
9975	7.745735294	9.73275521	5.719819825	1.70158423	0.721107235	9.309732489
9976	6.061122572	7.792461258	4.761735434	1.636475055	0.667568787	11.01394633
9980	5.026135756	6.23425667	4.122312996	1.512320068	0.351899611	7.001394872
9982	5.318917671	7.921405387	3.053836393	2.593919375	0.726458568	13.6580149
9989	8.082412767	9.061863421	7.575132148	1.196264731	0.248018516	3.068619763
9991	6.41142776	7.224524958	5.42929591	1.33065596	0.310208143	4.838362911

10000	6.094970089	8.191013694	5.346052341	1.532161148	0.432719127	7.099610341
10003	3.623791247	5.197134333	2.414851204	2.1521551	0.331429381	9.14592918
10004	4.998163685	6.602323388	3.905749497	1.690411378	0.363127688	7.265221998
10005	6.024452323	6.993785399	5.359853208	1.304846444	0.275841961	4.578706022
10006	6.492798944	7.273672147	5.707856887	1.2743263	0.245202795	3.776534542
10007	7.818041164	8.27311594	7.185774757	1.151318573	0.199553508	2.552474507
10009	6.275944595	7.661191111	5.09257484	1.50438459	0.302518764	4.820290553
10010	6.455952418	7.323021926	5.646442387	1.296926706	0.280526032	4.345230791
10013	5.962277232	7.035506858	5.237905076	1.343190981	0.24641106	4.132834663
10014	6.286453969	7.111692063	5.075197655	1.401264058	0.275314126	4.379482098
10018	5.997734651	6.859706847	4.847834778	1.415004257	0.292954321	4.884416175
10020	6.810554416	7.467381715	5.614330694	1.330057334	0.289459573	4.25016167
10021	4.447375916	6.880392374	3.03023327	2.270581754	0.472526238	10.62483242
10024	4.938374297	6.07816693	2.766484938	2.197072121	0.442122509	8.952794628
10026	6.143646572	6.758987986	4.977260052	1.357973647	0.255522267	4.159130315
10036	5.257588263	5.976470299	4.023957088	1.485222175	0.276041966	5.250353441
10038	7.138785073	7.579623071	5.682931584	1.3337523	0.228511216	3.200981869
10039	6.553886337	7.327659349	2.831756585	2.58767275	0.418102736	6.379462723
10040	7.037892323	8.62022103	6.031358506	1.429233733	0.426699799	6.062891833
10042	7.240313638	7.992933789	6.711830389	1.190872433	0.231918705	3.203158265
10043	6.424472427	6.944233389	5.804788812	1.19629389	0.229437231	3.571300729
10046	4.710467848	6.557872234	3.77581346	1.736810439	0.472350397	10.02767479
10048	6.509947439	7.508862616	5.623524109	1.335259256	0.225361614	3.4618039
10049	7.393830815	8.021649684	6.440893502	1.245424984	0.314179673	4.249213708
10050	3.821047256	5.940578446	1.143022458	5.197254354	0.540310963	14.14038945
10051	5.737159505	6.858615025	3.596592211	1.906975999	0.408531434	7.120796173
10052	5.016709788	6.172798501	3.370290688	1.831532967	0.489638853	9.760159013
10054	7.785645777	8.506696017	7.195921827	1.182155146	0.190049168	2.441019965
10057	5.377601986	6.005368916	4.547529678	1.320578279	0.278469256	5.178316601
10058	5.695050146	6.482150698	5.054925629	1.282343436	0.238753611	4.192300417
10059	6.388430889	7.451081381	5.262730259	1.415820499	0.25259076	3.953877949
10060	4.571920724	5.731948802	2.688786599	2.131797594	0.414356883	9.06308109
10061	5.643182233	6.297895343	4.077645091	1.544493256	0.307502298	5.449093891
10062	6.661619353	8.392671615	5.283081868	1.588593897	0.379264233	5.693273859
10073	7.389832307	8.3676743	6.700471808	1.248818671	0.311073512	4.20947999
10075	7.043535817	7.87645993	6.126941935	1.285545059	0.190404885	2.703257141
10076	5.811401723	7.029227273	3.759713824	1.869617636	0.389453951	6.701549284
10079	7.266136562	8.339016976	6.229225442	1.338692435	0.354287756	4.87587528
10085	4.938158559	6.268763294	2.273102992	2.757799939	0.542239339	10.98059798
10090	7.565479604	9.062752064	6.31109743	1.43600256	0.515329799	6.811594579
10092	7.97694707	8.931503222	7.17356759	1.245057374	0.272458448	3.415572968
10094	9.173293062	10.56288276	8.334788461	1.267324637	0.367563694	4.006889252
10095	8.390098597	9.915660259	6.428969075	1.542340637	0.598891872	7.138079077
10097	7.04232552	8.019882695	5.711763331	1.404099265	0.401298291	5.698377467
10098	7.164822513	8.237613786	5.66881411	1.453145865	0.505743517	7.058702662
10099	7.096037324	8.064998973	6.612293478	1.219697674	0.218178944	3.074658916
10100	4.831540473	6.139224231	3.686696072	1.665237413	0.414593928	8.5809884

10102	6.189612076	6.837021174	2.418821444	2.82659193	0.445613155	7.199371298
10103	8.573147252	11.06645524	6.85743778	1.613788647	0.760227951	8.867548041
10105	7.471791721	8.825180365	6.236541094	1.415076119	0.475966088	6.370173384
10106	8.072126374	8.651350417	7.38621369	1.171283526	0.190993812	2.366090455
10107	4.286147178	6.078182153	2.892106501	2.101645341	0.362386631	8.454834052
10109	9.336581889	10.58976696	8.610152895	1.22991625	0.38650948	4.139732122
10111	6.463678391	6.933642449	5.465148727	1.268701511	0.268745494	4.15777949
10114	6.341610918	7.154513723	4.466800769	1.601708716	0.375762226	5.925343434
10120	7.97608266	8.50418741	7.223992094	1.177214385	0.242832661	3.044510339
10121	7.309183994	7.907552255	6.725035647	1.175837969	0.233544431	3.195218941
10123	5.565358096	7.545969271	3.06542537	2.461638553	0.795074472	14.28613323
10124	7.02803504	7.939623998	5.783813658	1.372731638	0.389165384	5.53732846
10125	4.951495943	9.213983373	2.536239778	3.632930708	1.511363327	30.52336798
10126	7.147186144	7.898300788	6.248758268	1.26397925	0.34435387	4.818034166
10128	6.848488498	7.415834497	6.545452809	1.132975015	0.173831894	2.538251963
10129	5.329480184	6.801256269	4.545456661	1.496275683	0.353278899	6.628768411
10131	5.895727566	7.839975676	4.356699253	1.799521891	0.369049344	6.25960647
10134	9.425523772	10.25727928	8.685794745	1.180925819	0.252612309	2.680087757
10135	6.847236711	8.824674998	4.787879674	1.843127982	0.531871348	7.767678709
10137	7.53197985	8.644364518	6.859349829	1.260230887	0.30414327	4.038025542
10138	5.28152007	8.309353929	4.218796747	1.96960281	0.410108122	7.764963802
10139	6.26738083	7.21748113	5.097936474	1.415765215	0.28528447	4.551893008
10140	9.350547188	11.10395661	7.957837106	1.395348568	0.558410045	5.971950453
10141	3.85184649	5.545077357	1.267700521	4.374122489	0.557710862	14.47905215
10142	5.98860806	7.025918929	3.605427313	1.948706303	0.41496279	6.929202672
10144	7.281533584	8.328871549	6.126656759	1.359448044	0.385163843	5.289597844
10146	6.530215225	7.073891192	5.598528324	1.26352691	0.206735085	3.165823455
10147	7.425841961	8.239761636	6.725652682	1.225124464	0.265725762	3.578392365
10149	5.373533928	7.240166798	2.846375196	2.543644565	0.692193426	12.88153077
10150	6.267910576	7.04839504	5.323179341	1.324094979	0.340949833	5.439609082
10152	6.641621523	7.210992392	5.557598715	1.29750145	0.2660605	4.005956971
10153	8.055522767	8.908465857	6.702196024	1.329186109	0.285126547	3.539516366
10154	5.245410932	6.848889497	3.987385383	1.717639215	0.621875166	11.85560434
10155	8.448946478	9.345921363	7.487972958	1.248124348	0.327653328	3.878037677
10157	5.547326407	6.676537002	3.867367906	1.726377517	0.42816223	7.718352917
10158	4.912056023	7.923524008	2.990932022	2.649182245	0.888410821	18.08633324
10160	6.811835699	8.27779543	5.440851568	1.521415412	0.388332168	5.700844605
10162	6.386374334	6.908362778	5.44596642	1.268528347	0.249456595	3.906075365
10163	7.201683484	7.734129606	6.071989078	1.273739051	0.270944039	3.762231978
10165	6.145158936	6.917931725	5.516494792	1.254044821	0.270916242	4.408612453
10174	6.488017428	7.282515481	5.23366492	1.391475303	0.298625513	4.602723659
10175	8.492254345	9.074754223	7.911228952	1.147072633	0.248360835	2.924557186
10181	7.277049962	8.309242191	6.628775369	1.253510902	0.265340007	3.646257877
10184	7.36324776	9.745318186	6.220808855	1.566567695	0.526870201	7.155405032
10188	4.957122562	5.794281157	3.732487451	1.55239133	0.246510228	4.972849161
10190	6.953099581	7.752261118	5.786810236	1.339643223	0.308407426	4.435538753
10195	6.867102628	7.672704893	5.769232525	1.32993511	0.296185732	4.313110616

10196	7.198373128	8.239883444	5.998254707	1.373713496	0.361905953	5.027607583
10197	6.963910072	7.459595002	6.190039209	1.205096567	0.236809702	3.400527864
10198	5.311106915	6.072592955	3.616326757	1.67921578	0.326239204	6.142584013
10199	7.821859572	8.520180204	6.542976499	1.302187193	0.261563106	3.344001561
10200	6.043314297	7.035605825	4.921922518	1.429442621	0.280310798	4.638362064
10201	6.297088936	7.025113173	5.748651955	1.222045312	0.255002199	4.049525125
10202	4.30041643	5.61358345	2.258055409	2.486025555	0.380568238	8.849567108
10203	6.44441148	8.549888286	5.267284089	1.623206218	0.54459443	8.450646453
10205	6.455562061	8.449428731	5.11997868	1.650285921	0.747864184	11.58480357
10207	5.424707153	7.059699511	3.95129821	1.786678488	0.455556603	8.397810054
10208	5.930672133	6.489218325	4.976062878	1.304086882	0.232262458	3.916292333
10209	9.267165661	10.16798228	8.366893503	1.215263739	0.284094816	3.065606318
10210	7.731890753	8.6810042	6.933189298	1.252093925	0.35415429	4.580435778
10211	7.452307391	8.243383791	6.504991377	1.267239772	0.272377975	3.654948202
10213	8.661218574	9.374469646	8.008665428	1.170540801	0.261039323	3.013886797
10215	3.755747607	4.784041243	2.513304485	1.903486534	0.271670661	7.233464274
10217	5.810603505	6.408602465	4.760662218	1.346157776	0.290365076	4.997158655
10218	3.849513416	6.355947623	1.600612948	3.970946025	0.502410598	13.05127541
10219	4.913498741	6.034819103	2.417945842	2.49584544	0.446961384	9.096601163
10221	7.565260396	9.671085745	6.276714512	1.540787896	0.555528747	7.343154344
10223	4.605784906	6.079642627	3.333616042	1.823738112	0.396412424	8.606837529
10225	5.105794133	6.9497164	3.825765291	1.816555871	0.602526321	11.80083461
10226	7.775969147	8.514035617	7.010824647	1.214412861	0.276855955	3.560404498
10227	7.299553219	7.844456468	5.093496948	1.540092504	0.31331929	4.292307771
10228	6.345838958	6.824365863	5.119335646	1.333056931	0.218880559	3.449198141
10229	6.234147873	7.327831072	4.90309173	1.494532731	0.315438138	5.059843696
10230	5.78498381	6.655046509	4.707903496	1.413590256	0.34946022	6.04081586
10231	7.929964167	9.997105596	6.455429732	1.548635182	0.493997226	6.229501364
10232	4.069376092	5.746792248	2.499095654	2.299548734	0.425783125	10.46310578
10234	5.200757862	7.104862866	3.754124966	1.892548311	0.525138116	10.09733831
10236	8.101227984	8.834366304	7.601225056	1.162229277	0.204812713	2.528168729
10237	8.292427637	9.250789142	7.017970992	1.318157221	0.408727198	4.928920891
10238	6.749311308	7.264671659	5.54831394	1.309347621	0.213779211	3.167422587
10240	6.918644226	7.757392054	5.671458071	1.367795011	0.309935186	4.479709831
10241	6.982482856	7.657727199	6.480144305	1.181721708	0.185215084	2.652567685
10244	6.037287363	6.833008061	4.660894497	1.466029335	0.278033054	4.605264534
10245	6.6868078	8.12323155	6.037636138	1.345432445	0.253680714	3.793749156
10246	3.776927321	6.43722039	1.637759878	3.930503168	0.523644715	13.86430479
10247	6.074337708	7.186244931	4.175792431	1.720929632	0.41327103	6.803557032
10248	7.606396721	8.672530391	4.661216067	1.860572491	0.417262799	5.485682827
10249	3.825541087	4.900986297	1.040051631	4.712252882	0.387806635	10.13730152
10250	8.311075176	8.961093047	7.604342014	1.17841794	0.231448831	2.784824178
10253	7.154457403	8.447435267	6.280718303	1.344979166	0.405160615	5.663051609
10254	6.573539008	7.322503273	5.985375493	1.223399147	0.235472284	3.582123476
10255	4.677513613	6.013817903	2.756430303	2.181741326	0.338322573	7.232957529
10256	6.699876187	8.789209211	5.739697635	1.531301781	0.508557743	7.59055434
10257	5.001012011	5.908589469	2.545321294	2.321353097	0.405690444	8.112166958

10260	6.342927909	7.746950017	5.031628128	1.539650749	0.409723936	6.45953954
10261	4.93763189	7.256639646	3.208174442	2.26192178	0.817770066	16.56198931
10262	7.737462283	8.457160658	6.69469713	1.263262623	0.350328239	4.527689138
10263	8.092604528	9.154714316	5.988650071	1.528677449	0.471960235	5.831994304
10265	4.112934546	5.290077021	0.773625667	6.838031937	0.5628924	13.68590708
10266	6.307869749	8.352137291	4.481575234	1.863661069	0.525655271	8.333324759
10267	5.554270735	6.573925098	4.328136878	1.518881053	0.371027252	6.680035421
10269	8.598407417	9.238192417	8.112939202	1.138698588	0.194501467	2.262063868
10270	7.124415295	7.876395152	6.561439669	1.200406549	0.209414196	2.939387833
10274	6.46186781	7.088364232	5.675340662	1.248975992	0.233487127	3.61330708
10276	7.648176569	8.429051819	6.7856281	1.242191835	0.349235075	4.566252779
10278	6.217728644	7.709341284	5.02311048	1.534774382	0.371985836	5.98266437
10279	6.986666674	8.927150304	5.464005244	1.633810713	0.704526891	10.08387725
10280	6.759796109	7.342023562	6.024468875	1.218700555	0.232201197	3.435032553
10281	4.285759389	6.773625016	2.893549303	2.3409399	0.452190987	10.55101199
10282	7.473129568	8.503021545	6.337682786	1.341660956	0.286686667	3.836233061
10284	8.50923641	9.267777867	7.745822778	1.196487208	0.297282101	3.493640167
10287	6.910590644	8.69221881	5.93826367	1.463764375	0.57995774	8.392303491
10288	4.724913003	7.145323807	2.719379898	2.627556309	0.640198638	13.54942699
10289	7.163353355	7.961707519	5.825482883	1.366703444	0.287581814	4.014625544
10291	7.625682142	8.088092235	7.007866712	1.154144701	0.208701913	2.736829423
10293	4.46417014	5.694313793	2.420371406	2.352661158	0.4147009	9.289540655
10294	8.201821085	8.680206835	7.723948646	1.123804317	0.208005895	2.536094029
10295	7.044303732	7.989249425	5.694025185	1.403093447	0.302735305	4.297590177
10296	8.08734093	8.525635995	7.30685465	1.166799725	0.210840996	2.607049676
10297	4.519776886	7.169566189	2.5225728	2.842164234	0.493445602	10.917477
10298	6.253351364	6.947585774	5.749871142	1.208302865	0.223045004	3.566807474
10299	6.999646312	8.084820361	6.202335245	1.303512313	0.230421459	3.291901455
10300	5.673991453	6.821962822	4.83854591	1.409920036	0.254514204	4.485628963
10301	6.470299162	7.880549834	5.621600858	1.401833754	0.451130983	6.972335777
10302	6.798371591	7.380593904	6.309382163	1.169780767	0.201875093	2.969462469
10308	6.42995206	8.478073587	4.933431247	1.718494322	0.529646815	8.237181391
10309	6.234952505	8.146329644	4.091564511	1.991006038	0.492511081	7.899195386
10311	6.459293301	7.385322079	5.19068088	1.422804108	0.306680263	4.747891888
10312	6.755659751	8.116548495	5.311255347	1.528178927	0.515579933	7.631822092
10314	7.067882044	7.738385145	5.897797271	1.31208056	0.254173431	3.596175335
10318	6.85277946	7.551861831	5.616513138	1.344581887	0.296408763	4.325380153
10320	4.7841901	6.398670298	3.085433559	2.073831822	0.601544149	12.57358375
10321	3.361795755	8.443845776	1.409123858	5.992266563	0.804981619	23.94498886
10322	6.179991967	7.255160245	4.974760405	1.458393903	0.318070929	5.146785479
10325	6.558569659	7.637744066	5.403256839	1.413544515	0.427189561	6.513456186
10329	7.34436817	8.044783085	6.553056407	1.227638309	0.310287594	4.224837135
10330	7.792764956	8.750627761	7.171170212	1.220251019	0.248662733	3.190943581
10331	4.642709159	6.764493347	2.147742395	3.149583192	0.669868278	14.42839203
10332	4.019488152	5.231893359	1.944342983	2.69082842	0.378594771	9.418979648
10333	4.317612258	5.252151855	2.975049116	1.765400049	0.392302607	9.086100917
10346	7.809273034	10.01976632	6.23724398	1.606441299	0.924433965	11.83764431

10362	6.1653049	7.123325129	5.589918007	1.274316568	0.239485441	3.884405476
10370	8.543939956	9.694370232	7.170168763	1.352042128	0.504349602	5.903009676
10371	4.425984884	5.748334445	2.810509335	2.045299894	0.413529409	9.343217832
10379	8.190123146	9.659325989	4.88331598	1.978026003	0.563198253	6.876554143
10382	4.496812067	6.265338309	1.713658188	3.656119028	0.558485402	12.41958512
10383	8.976437771	10.43771145	7.756715295	1.345635498	0.392999719	4.37812559
10384	6.507951409	8.722964001	4.734102865	1.842580157	0.744779686	11.44414947
10388	3.84879427	5.348306221	1.542679085	3.46689488	0.49116336	12.76148646
10389	6.616704057	7.530058831	5.500086735	1.369080015	0.316871416	4.788961587
10391	5.504259591	6.395678409	3.933553096	1.625929091	0.516223258	9.37861396
10393	6.589118068	7.652135889	5.911452942	1.29445941	0.342622833	5.1998284
10395	5.787137439	6.769907633	4.979113193	1.359661323	0.3212212	5.550606037
10396	6.539449659	8.326240147	5.32846922	1.562595148	0.521127303	7.96897798
10397	8.513943731	9.445198247	7.354468692	1.284280162	0.367315369	4.314279964
10398	7.506879825	8.609951973	6.048445702	1.423498267	0.38890868	5.180696757
10400	7.484797277	8.728474813	6.503221005	1.342177177	0.39501412	5.277552684
10402	5.018540334	5.899975063	3.84331229	1.535127676	0.352449917	7.022956756
10403	4.218462741	7.828313381	2.268802012	3.450417153	1.033023229	24.48814396
10404	9.593407742	12.27556341	8.126103964	1.510633321	0.507227786	5.287253492
10406	6.495072413	9.123233441	5.891628568	1.54850791	0.494324437	7.610760989
10409	7.168113558	8.348322268	5.254817073	1.588698931	0.470304355	6.561061725
10410	10.49635476	11.55408031	8.993953956	1.284649706	0.450857918	4.295376145
10411	6.481829169	8.040929568	5.167685289	1.556002179	0.430358403	6.6394592
10412	9.938791583	11.86925283	9.14755496	1.297532825	0.444381658	4.471183987
10418	5.006199971	6.369643711	4.115411006	1.547753967	0.401945406	8.028952267
10420	5.720625815	6.627333725	5.057003645	1.310525795	0.242761882	4.243624564
10422	7.38836603	7.912774976	6.409614743	1.234516472	0.229706735	3.109032962
10423	9.275849008	9.717896953	8.682231717	1.119285602	0.217245586	2.342056082
10424	8.715053185	9.485276162	7.835210711	1.210596181	0.334792642	3.841544456
10425	7.093197296	7.608370638	6.215518329	1.224092704	0.188556949	2.658278648
10426	5.543447228	6.248729916	3.377425309	1.850145997	0.341696133	6.163964743
10427	8.414948756	9.230484733	7.882356529	1.171031112	0.251282111	2.986139529
10428	6.497340178	7.229092975	5.891961671	1.226941616	0.229175053	3.527213392
10430	9.546926023	10.3290447	8.429598005	1.225330638	0.335515348	3.514380936
10432	6.187764524	7.287384623	5.536814886	1.316169092	0.297289527	4.804473826
10435	6.3648849	7.725350344	5.101883444	1.514215373	0.446941489	7.021988555
10436	7.816341448	8.456859475	6.835909762	1.237122749	0.284075673	3.634381573
10437	8.86701245	11.4022543	7.213363799	1.580712497	0.871293882	9.826239528
10439	5.333706661	6.377488896	4.417908089	1.443554001	0.330632085	6.198917672
10440	6.264554345	6.971087897	5.030810026	1.385679018	0.292138547	4.663357219
10443	7.176462954	8.383122669	6.278573281	1.33519548	0.407254237	5.674860157
10444	5.705936089	6.747449285	4.220281111	1.598815128	0.308891595	5.413513047
10445	7.128552493	7.899986124	6.389470937	1.236406927	0.248322436	3.483490322
10446	4.834100611	6.421670309	3.591863065	1.787838287	0.334096727	6.911248934
10447	6.425821196	7.193889334	5.69289708	1.263660529	0.271134375	4.219450971
10449	7.057843639	7.96656673	6.170718607	1.291027389	0.314681711	4.458609841
10452	6.683791507	7.758110152	5.761240808	1.346604041	0.292433073	4.375257265

10456	7.463619413	8.042798117	7.060073307	1.139194703	0.21568426	2.88980785
10457	6.796728826	9.438974917	4.446171282	2.122944511	0.957376845	14.08584732
10458	5.282216278	6.446086527	4.720601706	1.365522221	0.252148636	4.77353866
10461	5.499656891	6.455973226	4.381264312	1.473541144	0.287098879	5.220305281
10462	5.136430771	7.173471966	2.402913355	2.985322775	0.822066874	16.00463261
10463	7.61414769	8.3004072	6.803177789	1.220077949	0.300381485	3.945044109
10464	7.22319224	7.999164359	5.221840902	1.531866732	0.406938523	5.633776722
10465	6.190696059	7.327770823	5.036518012	1.454927949	0.302918694	4.893128193
10466	7.391312286	8.037459865	6.655517346	1.207638632	0.245384083	3.319898735
10468	5.112840149	6.483339629	3.865698788	1.677145578	0.394735448	7.720473101
10469	6.620106371	7.536217273	5.538152007	1.360781947	0.299095088	4.51798009
10472	5.793688078	6.603001158	4.837018527	1.365097347	0.298603524	5.153945472
10473	8.918577675	9.583268488	8.175229648	1.172232329	0.216492995	2.427438573
10474	6.540003629	8.469036819	5.889891377	1.43789355	0.425471793	6.505681295
10475	7.239343645	8.00131225	6.111207338	1.309285025	0.287439164	3.970514156
10476	8.575009342	9.304313305	7.843827963	1.186195484	0.24343857	2.838930671
10478	6.60814708	7.226264716	5.865449622	1.232005248	0.234239278	3.544704369
10479	7.543067619	8.031241298	6.649779355	1.207745531	0.210651886	2.792655416
10480	7.270661787	7.82884084	6.434409258	1.216714779	0.204788496	2.816641755
10481	3.943245226	5.4569301	2.68746905	2.030509002	0.321703875	8.158353241
10482	8.055467242	9.152595169	7.235244686	1.265001471	0.309010749	3.83603756
10483	7.926812455	8.639202973	7.389810874	1.169069563	0.273090726	3.445151846
10484	7.102700399	7.756095501	5.681750876	1.365088979	0.315517535	4.4422194
10485	4.481924574	5.450437838	3.076772887	1.771478767	0.313444095	6.993515623
10486	6.305505356	7.440126594	4.930833454	1.508898376	0.443057635	7.02652064
10487	9.736539899	10.53376041	8.910417758	1.182184798	0.287670346	2.954543905
10489	6.175193782	7.177517497	5.183593945	1.384660445	0.228609705	3.702065281
10490	7.851837808	8.298723961	7.091362871	1.170257976	0.245327619	3.12446111
10491	7.669256216	8.022152502	7.103331028	1.129350789	0.17898735	2.333829315
10492	7.960181569	8.7712204	7.355559014	1.192461427	0.24581175	3.088016875
10493	8.194879751	9.038087803	7.579673362	1.192411252	0.272390208	3.323907325
10494	7.420116531	8.465869779	6.694104544	1.264675465	0.291902544	3.933934765
10495	5.429499238	6.18948225	4.272052929	1.448830891	0.241739379	4.452332858
10497	7.165859875	8.023613867	6.026621702	1.331361792	0.328321231	4.581742265
10498	6.901177919	9.682358677	6.114644004	1.583470546	0.419113451	6.073071238
10499	5.94617436	6.737121885	3.945813121	1.70741028	0.347228839	5.839533427
10505	5.638011326	6.131243423	4.348701337	1.409902163	0.19667278	3.488336028
10507	6.331124785	8.034433923	4.746876875	1.69257264	0.513212624	8.106183988
10512	4.777620241	6.263850479	3.293669749	1.901784622	0.545976388	11.42778958
10513	6.566122828	7.556080833	6.123308772	1.233986577	0.226513953	3.449736762
10518	5.300841749	6.007908037	3.889644528	1.544590513	0.24769144	4.672681279
10520	6.699707582	7.655590446	5.788790496	1.322485319	0.319215392	4.764616778
10521	8.10475922	10.12751022	6.304118688	1.606491046	0.605166735	7.466807078
10522	5.891496121	6.76552911	5.018733184	1.348055149	0.251620291	4.270906512
10523	6.409109272	7.659098963	5.832041973	1.313279122	0.232363755	3.625523385
10524	7.240878965	7.857303947	6.740791989	1.16563513	0.240508507	3.32153746
10525	8.765311464	9.933719993	7.184829803	1.382596424	0.510905277	5.828717888

10526	6.751047679	7.789334766	5.600688154	1.390781731	0.34536523	5.115727902
10529	7.127497966	9.097663131	5.692847954	1.598086442	0.655475156	9.196427127
10531	6.647087763	7.41120528	4.594542869	1.613045191	0.35566323	5.350662463
10534	7.07397914	8.201573935	6.189364996	1.325107493	0.341156102	4.822690251
10536	5.353053992	6.013328115	4.099553438	1.466825157	0.32197781	6.014843307
10537	6.096272906	11.46580688	2.47619903	4.630406015	2.14994985	35.26662737
10538	5.275558866	7.170271562	-0.592847479	-12.09463111	0.913615446	17.31788934
10539	6.340375631	6.892988957	5.970367342	1.154533476	0.18308063	2.887536016
10540	6.549128032	7.253071701	5.932037995	1.222694748	0.203419161	3.106049543
10541	9.819118678	10.29233894	9.257973044	1.111727037	0.191802382	1.953356388
10542	8.498331235	9.319489374	7.038615586	1.324051479	0.324053176	3.813138927
10544	5.814967813	7.131679025	4.499559857	1.584972586	0.483620907	8.316828622
10549	9.044109544	9.91044399	8.259145978	1.199935685	0.334746155	3.701261611
10550	9.357184562	10.02289993	8.553193173	1.171831353	0.288576694	3.084011992
10551	4.560243188	7.368652426	3.172783403	2.322456812	0.859030818	18.83739053
10553	6.78944375	7.843131461	6.115398325	1.282521766	0.292603416	4.309681715
10555	6.893319158	8.717873689	6.130036861	1.422156814	0.28589831	4.147469509
10556	5.375755638	6.078446607	4.057276274	1.498159405	0.258703168	4.812405646
10558	7.438694574	8.175730709	6.501886022	1.257439869	0.318205898	4.277711563
10559	7.896622645	8.546432296	7.289855733	1.17237331	0.221087567	2.799773739
10560	7.252407156	10.15795615	5.406550229	1.878823967	0.718633141	9.908891284
10562	3.85552473	5.73478125	1.517310899	3.77956901	0.678806418	17.60607091
10563	4.945950747	12.06217151	-1.641898785	-7.346476906	2.801715781	56.64665753
10564	6.855015998	7.723412375	4.797293868	1.6099519	0.319273158	4.657511491
10566	4.574119518	7.288133696	3.187798977	2.286258873	0.463777996	10.13917529
10570	4.602679744	5.721445817	3.557983213	1.608058688	0.307764365	6.686634345
10572	6.991466832	8.250841765	6.430350897	1.283109102	0.269698186	3.857533662
10573	7.711097286	8.914677468	6.661214912	1.338296029	0.289693833	3.756843187
10574	8.712129948	9.311387755	8.023404693	1.160528243	0.220130699	2.52671506
10575	7.863496404	8.268425534	7.228473022	1.143868907	0.184740726	2.34934584
10576	8.812013848	10.16812358	5.893712713	1.725249274	0.446586875	5.067932059
10577	10.42223223	12.02261439	9.62029945	1.249713115	0.44203239	4.24124487
10578	4.964565252	8.674399649	1.559406	5.562630676	0.94089417	18.95219666
10579	6.291898403	7.771771614	5.266492134	1.475701742	0.344055762	5.468234547
10580	5.635274599	6.475174496	4.832800274	1.339839043	0.314566287	5.582093324
10581	9.685764151	11.08783498	8.301728107	1.335605652	0.577893112	5.966417344
10584	4.451632473	6.367412671	1.097088143	5.803920781	0.678289699	15.23687552
10589	8.13417861	9.003414142	7.382761494	1.219518489	0.348370235	4.2827955
10590	4.607841992	9.14265523	2.266270102	4.034230175	0.853470839	18.5221377
10591	6.805824491	7.481237678	6.1106765	1.224289598	0.215261056	3.162894608
10594	9.109835156	9.915820865	8.039777213	1.233345229	0.322399632	3.539028166
10598	8.164553502	9.085246944	7.370506788	1.232648881	0.302167425	3.700966929
10602	6.34115291	7.219467404	4.235252876	1.704613069	0.446251417	7.037386157
10603	6.39186419	7.756028639	3.876914815	2.000567206	0.415709227	6.503724335
10605	8.196025675	9.007048803	7.460575177	1.207286112	0.273459294	3.336486551
10606	6.550157747	7.14760132	4.977070247	1.436106176	0.336817998	5.142135671
10607	5.655111245	7.618211064	4.566160157	1.668406451	0.34300326	6.065367161

10609	6.923332498	7.992186721	5.886675525	1.35767407	0.393556855	5.684500276
10610	7.628532841	9.543175455	6.015880082	1.586330732	0.635637503	8.332368961
10611	6.006671517	6.732549482	4.214359697	1.597526069	0.318476086	5.302039329
10613	6.919733284	7.415122924	5.993173412	1.237261533	0.253196978	3.659056893
10616	6.66089538	7.382957715	5.906369694	1.249999255	0.244006887	3.663274573
10618	7.593632603	8.121262699	6.724761763	1.207665488	0.240120648	3.162131491
10621	6.349945223	7.193441877	5.094362189	1.412039743	0.29273398	4.610023707
10623	6.674218259	7.155360608	6.22491947	1.14947039	0.214666868	3.216359725
10625	7.264770337	8.186316093	6.498776204	1.259670411	0.27278304	3.754874924
10628	10.61485321	12.5363753	9.097260116	1.378038567	0.454455647	4.28131824
10630	4.978157326	6.632245649	3.256132851	2.036847375	0.436480154	8.767905984
10631	6.010104007	7.787159903	3.0823636	2.526359934	0.661225649	11.00190028
10633	4.73733604	6.712466614	0.984534374	6.817909856	0.529516165	11.17750906
10634	5.770712407	6.979617303	4.535678773	1.538825312	0.312726893	5.419207739
10635	4.859443638	7.891270708	3.088178112	2.555315925	0.66513823	13.68753872
10637	4.454164178	5.878873389	-0.158447746	-37.10291596	0.550946545	12.36924646
10638	7.563544548	8.263342841	6.904091779	1.196876158	0.270651985	3.578374971
10641	6.616510427	7.243503545	5.413983646	1.337924903	0.240293608	3.631727184
10645	6.049345542	7.122261786	5.257323023	1.35473163	0.269206105	4.450169086
10650	4.263055542	6.518938218	2.33251943	2.794805537	0.534002545	12.52628636
10651	7.653135736	8.375343172	6.884226977	1.21659893	0.250634951	3.274931475
10652	5.953025283	6.631673476	4.184936115	1.584653456	0.347911061	5.844273192
10653	10.19459034	12.04260488	8.683767212	1.386794992	0.59829044	5.868705065
10654	7.805758617	8.489321675	7.260416929	1.169260906	0.258712685	3.314382333
10656	5.389549163	6.142280025	4.093271501	1.500579676	0.312143246	5.791639276
10657	8.15189316	8.646024623	7.457601808	1.159357237	0.185657059	2.277471694
10658	6.640671111	7.270192364	4.999494424	1.454185513	0.23766535	3.578935718
10659	5.696153259	7.158692243	4.353295377	1.644430626	0.494118561	8.674600878
10661	4.245875803	6.668563513	2.158798431	3.089016286	0.50470266	11.88689173
10663	5.035811027	7.436214444	2.712312158	2.741651407	0.747648846	14.84664223
10664	8.057834364	8.822402286	7.220024615	1.221935209	0.267606972	3.321078093
10665	3.372161456	6.123299343	0.336410268	18.20188003	0.634287773	18.80953155
10666	4.053163949	6.03502526	1.517223739	3.977676532	0.581332096	14.34267411
10667	6.402399491	7.436871593	5.415777086	1.373186428	0.25142462	3.927037357
10668	7.388058401	8.449409557	6.567849689	1.286480349	0.370192273	5.01068418
10669	4.281358172	6.411709644	2.205188188	2.907556679	0.4378288	10.22639971
10670	9.440501717	9.891749413	8.875089615	1.11455206	0.213211644	2.258477891
10671	8.650586568	9.396599074	7.515547189	1.250288081	0.323950872	3.744842845
10675	4.631930465	7.006884931	3.887272936	1.802519413	0.402550702	8.690776016
10677	5.359455985	10.34650075	3.598937468	2.874876499	0.600548737	11.20540478
10681	5.788319639	6.360193565	5.062840327	1.25625008	0.221591771	3.828257324
10682	6.561943657	7.870660227	5.447598352	1.444794516	0.271906891	4.143694389
10695	6.171420163	6.898497486	5.36909712	1.284852431	0.262334985	4.250804157
10712	5.853509039	7.292498442	4.201927545	1.735512658	0.366498425	6.261174667
10714	5.894875117	6.828992277	4.914297073	1.38961731	0.220300382	3.737150966
10715	4.53014668	6.160056284	3.673762168	1.67677057	0.336243814	7.422360425
10716	3.816537071	6.648380482	1.247279344	5.330305928	0.552215883	14.46902972

10724	6.626431117	7.589503249	6.197423544	1.224622328	0.265006513	3.9992344
10725	7.092437584	8.20319977	5.138247011	1.596497746	0.439106975	6.191199705
10726	7.467905943	8.040492881	6.660417372	1.20720556	0.224701598	3.008896996
10728	10.13154062	10.5871045	9.64976266	1.097136258	0.146925016	1.450174476
10730	5.703932215	6.751181232	4.720972502	1.430040363	0.348760447	6.114386253
10735	8.13283902	8.93678017	7.446053603	1.200203577	0.248135367	3.051030109
10745	5.023802978	5.827602829	2.560357434	2.276089561	0.330020779	6.569142556
10747	4.38888102	5.326952523	2.785058851	1.912689393	0.281438874	6.412542805
10748	3.860193964	6.220583066	1.046626562	5.943459962	0.584483516	15.14129915
10749	6.329238255	7.082685509	4.762786014	1.487088752	0.266112506	4.204495003
10752	3.978637392	5.882733663	2.147741901	2.739031938	0.485604616	12.20529965
10753	4.051078363	5.802204705	1.647104211	3.522670069	0.423623233	10.4570486
10755	7.500206603	8.441622497	6.713533247	1.257403842	0.283141023	3.775109644
10758	6.136030386	7.050254688	4.729950141	1.490555815	0.284570486	4.637696817
10762	5.704417666	6.31709752	4.453509789	1.418453718	0.292817204	5.133165569
10766	6.820602268	7.636329502	5.461430519	1.398228811	0.315375182	4.623861205
10767	5.53544316	6.322435647	4.676520855	1.351952839	0.295947338	5.346407323
10768	7.982088185	8.636757358	7.324994247	1.179080429	0.233142435	2.920820081
10769	6.174142767	8.087437533	5.129014155	1.576801562	0.535843693	8.678835474
10771	6.821939102	7.598389069	5.573344976	1.363344473	0.346267454	5.075792218
10773	5.171527341	6.698784066	3.926503693	1.706042981	0.518346071	10.02307513
10781	7.426422378	8.654779831	6.726812985	1.286609253	0.362989041	4.887804951
10782	7.028926322	8.111036839	6.374080612	1.272503022	0.327375682	4.657548915
10786	3.789297735	6.657863058	1.291019431	5.157058754	0.64967163	17.14490852
10787	7.65771315	8.534666601	6.59325527	1.294454143	0.401374449	5.241440117
10788	6.810402512	7.885779713	6.151167813	1.281997168	0.327174428	4.804039517
10791	6.39536968	7.818167778	5.206331712	1.50166532	0.381277484	5.961773959
10797	5.701617432	8.034866985	3.534033933	2.273568148	0.802023762	14.06660078
10802	6.452792299	7.149112404	5.392536669	1.32574201	0.292885567	4.538896552
10808	7.431248278	9.971761015	6.621185378	1.506038639	0.408952749	5.503150126
10810	8.037662749	8.928630169	6.478298195	1.378236984	0.468232444	5.8254801
10840	5.155911605	6.267529184	3.70423964	1.691988044	0.325300759	6.309277264
10844	6.401503133	7.355276991	5.3671724	1.370419365	0.253455913	3.959318738
10845	7.113748827	7.817165397	6.591232561	1.185994474	0.224918577	3.161744705
10846	5.307272033	6.471130566	3.611732235	1.791697209	0.490020216	9.232996021
10856	7.166439978	8.040897136	6.327546752	1.270776408	0.239063309	3.335872617
10857	9.154608293	9.902540146	8.060258067	1.228563659	0.35592551	3.887938174
10866	6.085122274	9.459156636	3.232953777	2.925855823	1.246818459	20.48962047
10867	6.424969233	7.003346227	5.018596561	1.395479023	0.260374527	4.052541223
10868	6.763427969	7.995069285	6.202370006	1.289034559	0.290791806	4.299473682
10869	6.479409914	7.2676647	5.911888825	1.229330408	0.233172214	3.598664332
10873	5.250352569	6.289040712	4.410492712	1.425927016	0.252630743	4.811691027
10874	4.730359805	10.06624337	1.821878039	5.525201556	1.260998043	26.65755028
10875	8.18081922	10.20751765	6.103098763	1.672513922	0.656226296	8.021523011
10882	4.699366122	6.806946843	3.577539444	1.90268953	0.348866793	7.42369894
10892	6.283370605	8.034210427	3.56168431	2.255733448	0.590869948	9.403709978
10897	8.300943164	8.933961557	7.501792234	1.190910289	0.269859966	3.250955474

10898	7.126763431	7.792362786	6.239582421	1.248859661	0.194094635	2.723461169
10899	10.10075706	10.75272415	9.112118915	1.180046513	0.245738496	2.432872054
10900	4.902523641	5.794440284	1.795800868	3.22666081	0.385182765	7.856826257
10902	6.061568439	7.118887468	5.199346975	1.369188766	0.253952038	4.18954336
10903	4.893321404	6.023273723	3.327554909	1.810120009	0.427636037	8.739177381
10904	8.941923617	9.751846103	8.095130176	1.204655872	0.250229922	2.798390289
10905	6.048587427	6.600653818	4.912126708	1.343746652	0.24656729	4.076444182
10906	6.089796083	6.99363223	5.352886221	1.306516137	0.26892918	4.416062146
10907	6.624216296	7.338414408	6.046856462	1.213591633	0.240620469	3.632436773
10912	5.72250814	8.164852561	4.430626444	1.84282125	0.645847453	11.28609059
10914	7.952634938	8.73200233	7.183322267	1.215593844	0.229917274	2.891082969
10915	5.563454592	6.437227619	4.22722175	1.522803392	0.287686775	5.171009671
10916	8.329625832	8.917799247	7.404608189	1.204358019	0.285238649	3.424387298
10919	5.929840415	7.224274111	4.591058641	1.573553003	0.307320416	5.182608544
10920	6.692472005	7.63936075	4.635114172	1.648149423	0.283334334	4.233627481
10922	7.294480983	8.106859445	6.290480205	1.28875049	0.253360168	3.473313165
10923	8.434080999	9.11243918	7.637542531	1.193111416	0.268906923	3.188336971
10924	5.79636962	6.533009598	4.710952047	1.386770558	0.26806787	4.624754581
10926	5.265962115	7.944011246	4.091661715	1.941512227	0.604441076	11.47826481
10928	7.427941823	8.015086305	6.961807479	1.151293874	0.208501052	2.806982835
10929	8.032779083	9.736291144	7.449338137	1.307000832	0.315161082	3.923437691
10935	7.822274632	8.673010771	5.999839882	1.445540371	0.271955566	3.47668138
10938	6.694778191	7.429338697	4.672495361	1.590015211	0.355620852	5.311913885
10940	4.906329043	5.56097883	3.866625739	1.438199403	0.286768214	5.844863053
10943	5.623487893	6.569308982	4.7966806	1.369553141	0.282507189	5.023700485
10945	8.481824872	9.32259739	7.535571783	1.237145323	0.296169623	3.491814886
10946	7.873295549	8.228244412	7.364439787	1.117294003	0.189442538	2.406140316
10947	6.255514367	6.838897372	5.575514943	1.226594752	0.222140315	3.551111899
10948	6.402573532	7.440811112	3.273274027	2.273201404	0.383889962	5.995869625
10949	8.461943193	9.071273472	7.829439497	1.15861084	0.275692162	3.258024254
10950	7.11231125	8.564989191	6.419029555	1.33431216	0.354296434	4.981452887
10951	8.537557833	9.332144007	7.738768118	1.205895288	0.333876002	3.910673384
10952	7.815934641	8.313937805	6.956427057	1.195144826	0.204414184	2.615351763
10953	7.237030804	7.806759052	6.599637632	1.182907227	0.187876855	2.596048849
10955	8.725825384	9.38198128	7.939106357	1.181742738	0.217472715	2.492288189
10956	8.306549666	8.748329646	7.543856818	1.159662737	0.218996059	2.636426283
10957	8.954579235	9.982823864	8.281533787	1.205431762	0.298176139	3.329873256
10959	9.267018147	10.57668657	8.307471464	1.273153525	0.407465354	4.396941358
10961	9.235019578	10.10179089	7.927048554	1.27434452	0.302708075	3.27782819
10962	6.243938912	7.698477145	5.17848469	1.486627383	0.463799323	7.42799264
10963	7.150770075	8.938224619	4.324303307	2.066974489	0.49201356	6.880567471
10964	6.947794455	9.132494715	4.953969003	1.843470298	0.80140962	11.53473416
10966	6.368758017	7.451480038	5.506842964	1.35313102	0.313650937	4.92483677
10970	6.990954484	8.023873075	5.703245808	1.406895888	0.32483649	4.646525604
10971	10.1741988	10.70626969	9.591055338	1.116276501	0.193010626	1.897059703
10972	8.937289965	9.647175698	8.205436806	1.175705319	0.262215552	2.933949246
10974	9.499207286	10.87702554	7.836831084	1.387936708	0.582163688	6.128550214

10975	8.342126616	9.253508468	7.523038285	1.23002278	0.255138289	3.058432227
10978	6.055436512	6.983901435	5.259137891	1.327955566	0.258981541	4.27684347
10979	7.626841716	9.426259294	6.442334549	1.463174447	0.4621128	6.059032265
10980	8.277384662	8.919345154	7.626249732	1.169558494	0.195912332	2.366838565
10981	6.111495709	7.028714406	5.206342002	1.35002933	0.341696642	5.591047728
10982	6.194831837	7.304482589	5.097557412	1.432937778	0.272648425	4.40122399
10985	7.607780816	8.137250769	6.388618827	1.273710483	0.241668288	3.176593727
10987	8.520856563	9.338856283	7.697238691	1.213273572	0.26613908	3.123384111
10988	6.959838448	8.537886781	6.26274147	1.363282649	0.36431931	5.234594348
10989	8.18262142	8.763238709	7.664232426	1.143394175	0.182619723	2.231799735
10991	4.531642902	6.428293899	1.521787732	4.224172508	0.577256454	12.73834823
10992	7.322821299	8.167175077	6.644187787	1.229220988	0.200420092	2.736924521
10993	4.804390183	5.922995303	2.915910422	2.031267922	0.42219673	8.787727758
10994	6.945107161	7.528475723	6.316195995	1.191931936	0.234683079	3.379113868
11001	5.43645795	7.114806118	3.835149314	1.855157527	0.684064113	12.58290083
11004	4.675141921	6.652767544	3.013063416	2.207974617	0.578935254	12.38326587
11006	4.581601025	6.541427326	1.925970801	3.396431204	0.60033632	13.10319943
11007	5.554132011	7.367043009	4.219521537	1.745942744	0.353185079	6.358960821
11009	4.049045052	5.239209989	1.760793671	2.975482065	0.426452128	10.53216556
11010	6.103013555	9.919766814	4.024973017	2.464554861	1.019325886	16.70200921
11011	6.25262398	7.063185954	5.644006115	1.251449026	0.208808367	3.339531819
11012	4.259909259	6.253463196	2.658346695	2.352388124	0.628414521	14.7518288
11014	9.192860779	10.09218959	8.525307014	1.183791924	0.282004966	3.067651878
11015	5.651439703	6.805524553	4.267299649	1.594808219	0.438038941	7.750926555
11016	5.493563092	6.27449891	4.544705539	1.38061726	0.2392383	4.354883999
11017	7.849840818	8.451114981	7.190064687	1.175387893	0.23914267	3.046465215
11019	6.060247925	6.871767643	5.118301412	1.342587528	0.353470878	5.832614146
11020	5.826302222	7.162107333	3.598918296	1.990072223	0.349039074	5.990747834
11021	5.975708473	6.791093127	4.848806738	1.400569974	0.331676224	5.550408377
11024	3.945871095	5.27411629	2.25832433	2.335411358	0.336760371	8.534500051
11027	4.50796503	5.352407302	2.758364097	1.940428135	0.36365531	8.066950548
11031	8.512122718	10.08182638	7.216441568	1.397063398	0.453492134	5.327603335
11034	9.479648348	10.34564297	8.579139434	1.205906846	0.307331984	3.242018822
11040	5.879030548	8.173829585	4.055355002	2.015564502	0.803853505	13.67323232
11041	6.819974686	7.548192764	5.687701917	1.327107657	0.2600211	3.81264025
11044	7.406767094	8.520773534	6.002761618	1.419475581	0.329273343	4.445574412
11045	4.460296902	5.949975406	2.550853632	2.332542852	0.405199624	9.084588606
11046	7.08122675	7.719251406	6.405986946	1.205005797	0.235535202	3.326192055
11047	7.659243783	8.467192703	6.133975382	1.380376049	0.367512881	4.798291995
11051	7.278976228	7.950182742	6.543104955	1.215047412	0.28878372	3.96736727
11052	6.897389069	7.674562343	4.830654553	1.588721002	0.318084965	4.611672067
11054	6.456364037	7.683500581	5.367219554	1.4315607	0.359245403	5.564206118
11055	4.194477639	6.154397264	0.893010429	6.891741757	0.654461244	15.60292605
11056	5.187263564	5.937605162	4.764723495	1.24615944	0.195941753	3.777362589
11060	5.700892367	6.941831069	4.781173736	1.451909395	0.258834214	4.54024032
11061	5.291269567	7.136762961	3.400772827	2.09857092	0.768083599	14.51605498
11062	5.953286013	6.857261642	5.411688949	1.267120433	0.29065407	4.882246022

11063	3.792194092	5.162951985	1.728223348	2.987433304	0.444653694	11.72549935
11064	5.489650947	6.973152118	4.115375387	1.694414594	0.439963654	8.01441946
11065	5.33545605	8.781647183	2.619523646	3.352383246	0.929709475	17.4251173
11067	6.697776799	8.578404251	4.571384591	1.876543983	0.655481711	9.786556497
11068	7.140960401	8.031835316	6.512078424	1.23337509	0.2649659	3.710507908
11069	5.336923383	11.518067	0.479273536	24.03234504	0.903517276	16.92955306
11070	7.599154418	8.43674	6.663343158	1.266142205	0.313579797	4.126509085
11072	8.237772545	11.14406806	6.845684826	1.627896748	0.652791612	7.92437043
11073	6.939763472	7.720846353	6.388981853	1.208462714	0.287685637	4.145467468
11074	3.755815481	5.587599103	2.021299934	2.764359217	0.377443598	10.04957778
11075	3.922860205	6.555718479	1.926532716	3.40285863	0.601975523	15.34532183
11076	5.634766293	6.998101589	4.787026512	1.46188904	0.424852497	7.539842377
11077	4.429850669	5.549329953	1.196488806	4.638012429	0.443988946	10.02266168
11078	6.977163911	7.77755402	6.42566388	1.210389178	0.221224914	3.170699678
11079	7.881447211	8.548652605	7.317604222	1.168231069	0.20133002	2.554480346
11080	7.66619456	9.606163714	5.852816772	1.641288987	0.6494579	8.471711684
11082	5.113690618	7.620388376	1.154862348	6.598525261	0.733145225	14.33691007
11083	6.415051014	6.963851888	5.375270539	1.295535143	0.248992881	3.881385823
11097	6.533625175	7.327949833	5.969921404	1.227478443	0.246641236	3.774952326
11098	6.654466199	7.975027267	5.940481708	1.342488313	0.361271914	5.42901419
11099	5.950290529	6.652514025	4.992942249	1.332383531	0.329161151	5.531850072
11100	7.894312976	8.655356142	6.533319189	1.324802278	0.328966059	4.167127142
11102	6.368843627	7.076590963	5.419782697	1.305696438	0.298696423	4.68996321
11104	6.937524799	7.886444905	6.315528369	1.248738735	0.253653685	3.656256258
11116	5.85777511	6.474611551	5.328985197	1.214980209	0.188967472	3.225925692
11118	7.078173707	9.488798048	5.127244369	1.850662337	0.810844936	11.45556706
11119	6.327691963	8.320213358	4.202802519	1.979682205	0.591183055	9.342791315
11120	6.297555053	6.937075985	5.34340438	1.298250233	0.228858108	3.634078713
11122	4.287856016	6.994688498	2.562738812	2.729380171	0.556883301	12.98745338
11126	4.187199741	5.398407754	2.508038105	2.152442478	0.407035886	9.720956989
11127	5.906017954	6.554271457	5.2358441	1.251807986	0.279609207	4.734310136
11135	5.632899022	7.247110947	3.728641914	1.94363286	0.502327063	8.91773599
11137	7.892013874	8.511388361	7.350938335	1.157864204	0.194476792	2.464222631
11140	7.953215163	8.707161219	6.740870906	1.291696776	0.270562323	3.401923841
11143	7.710114804	8.367986674	6.742368517	1.24110491	0.273991296	3.553660387
11145	6.844733321	7.711603646	6.160796555	1.251721847	0.288041755	4.208224647
11151	6.233617503	10.62921526	3.352479498	3.170553396	1.552806034	24.91019112
11152	7.439586077	8.050843638	6.497692305	1.239031222	0.239428762	3.21830757
11154	5.701737169	6.386720505	5.262153958	1.213708408	0.243697798	4.274097357
11155	4.870747731	6.560266013	4.211373599	1.557749712	0.358420801	7.358640215
11156	5.647618551	6.59057051	4.309843749	1.529190127	0.357501897	6.33013532
11157	7.658877037	8.695945231	6.606019029	1.316366967	0.326723507	4.265945328
11160	7.211470234	8.102913449	6.099518657	1.328451293	0.344171071	4.772550675
11161	6.47890243	7.218393086	5.023701702	1.436867377	0.285274419	4.40312881
11166	4.160407838	6.338135279	2.756424532	2.299404611	0.500464175	12.02920951
11168	6.719531471	7.333893608	6.016615439	1.218940064	0.232532149	3.460541104
11169	3.784854809	4.960973728	1.946193403	2.549065124	0.415968368	10.99033885

11170	7.555519632	9.074367436	6.410690661	1.415505429	0.504971604	6.683479483
11171	7.827107055	8.64379699	6.826900316	1.266137865	0.272324318	3.47924611
11176	6.082409357	7.024739702	5.138954485	1.366958926	0.224686756	3.694041996
11181	3.746206408	5.979171714	1.796247771	3.32870098	0.544770645	14.54192816
11183	6.691963969	8.106589728	5.716736602	1.418044995	0.370428552	5.535423585
11184	4.964723617	8.301472484	3.159290925	2.627637872	0.965457987	19.44635918
11186	6.446258499	8.111302732	4.238109138	1.913896615	0.444189565	6.890657046
11188	7.179015347	7.869613735	6.048937526	1.300991075	0.26397423	3.67702557
11189	4.81304802	6.419745075	3.762596725	1.706200676	0.363851475	7.559689276
11190	5.175800001	6.377168267	4.375705236	1.457403532	0.221774299	4.284831305
11193	6.748269281	7.553360014	6.03434997	1.251727204	0.313010342	4.63837954
11194	5.022666903	6.100819885	3.908293087	1.560993444	0.308919247	6.15050238
11196	6.488809026	7.096881069	5.951135499	1.192525539	0.196438315	3.027340064
11197	3.369717257	8.639363911	-1.767922652	-4.886731838	0.930639242	27.61772491
11199	3.898196938	6.227693203	1.799189746	3.461387669	0.436395356	11.19480013
11200	5.295883016	6.413451739	3.767736267	1.702202937	0.34125178	6.443718246
11212	6.915002933	7.642690918	6.420746343	1.190311922	0.190621882	2.756642098
11213	4.808028992	6.094481631	3.788729809	1.608581751	0.287755978	5.984905215
11214	6.303032225	7.114817902	5.287124011	1.345687729	0.279033862	4.426978194
11215	7.193664283	8.320793304	6.334880232	1.313488653	0.304554863	4.233654108
11221	6.091857801	7.566338572	4.007747734	1.887927852	0.47691173	7.82867469
11224	10.91914534	11.5152668	10.27496433	1.120711122	0.202330679	1.852990075
11228	4.692907756	6.263637976	3.670952564	1.706270475	0.332325088	7.08143234
11231	7.63982837	8.596946768	6.720069614	1.279294302	0.35338044	4.625502342
11232	6.329626546	7.235546123	5.332203228	1.356952429	0.304774308	4.815044069
11234	6.736933655	7.530456607	5.452214081	1.381174051	0.340380919	5.052460605
11235	8.5910025	9.603877031	8.023054446	1.197035007	0.289323095	3.367745436
11236	7.639696488	8.221495992	7.016731639	1.171698793	0.238707598	3.12456913
11237	5.472202411	6.402629193	4.593811894	1.393750841	0.340337819	6.219393824
11240	4.414280696	5.522924082	3.698196303	1.4934102	0.258611991	5.858530723
11247	4.430627116	6.592520504	1.443693758	4.566425856	0.558530104	12.60611849
11248	5.080483375	5.905159723	3.914258392	1.508627978	0.300070648	5.906340511
11257	7.043074935	8.089128265	6.342983379	1.275287634	0.388936416	5.522252983
11258	8.862178452	9.489926051	8.293164258	1.144307017	0.231960053	2.617415728
11259	5.988005236	7.149717292	4.046736046	1.766786173	0.510698597	8.528693229
11260	8.120629639	8.737318243	6.338445281	1.378463938	0.258533517	3.183663447
11262	4.739763491	8.477198918	0.632261832	13.40773471	1.203914681	25.40031129
11273	5.309587549	7.270581157	3.628391925	2.003802596	0.417196331	7.857415049
11278	4.671384853	5.838083037	2.745740038	2.126232985	0.394460319	8.444183716
11281	3.919562064	6.155681021	2.418716624	2.54501952	0.414529362	10.57591015
11311	6.617428863	7.502795491	5.977703583	1.255130066	0.20765218	3.137958629
11313	7.259398512	8.046563204	6.637000776	1.212379428	0.230742482	3.178534443
11314	4.829392993	6.15285206	1.86056264	3.306984633	0.625737893	12.95686423
11316	6.692073171	7.837533049	5.506826955	1.423239392	0.306327158	4.577462776
11319	7.399372513	8.352334886	6.698051003	1.246979887	0.246497598	3.331331104
11321	7.770356698	8.567089919	7.273671957	1.177821872	0.225051451	2.896282109
11329	5.775760888	6.370085263	4.44099162	1.434383536	0.23739474	4.110189891

11331	9.736133135	10.34411111	9.103481492	1.136280787	0.213310145	2.190912368
11332	5.588412658	6.747086722	3.53258497	1.909957377	0.478069732	8.554660532
11333	5.902471401	6.825149391	4.259062152	1.602500538	0.297892887	5.046917917
11334	7.409443283	8.195078634	6.873594838	1.192255119	0.220784514	2.979771973
11335	6.867918892	7.907538127	5.296807734	1.492887513	0.350528794	5.103857502
11336	6.514868001	7.094476669	5.400528272	1.313663463	0.263839838	4.049810959
11337	9.907087153	10.37077032	9.408570671	1.102268419	0.163367496	1.648996259
11338	5.994784241	7.098116464	5.264819987	1.348216365	0.235784773	3.933165286
11340	7.619666615	8.512316923	6.887659548	1.235879454	0.284880388	3.738751342
11341	4.22879265	6.133659256	2.041445988	3.004566024	0.491290699	11.61775333
11342	8.912298875	9.88239063	8.184391442	1.207467983	0.279966156	3.14134613
11343	6.538278861	7.522479059	5.364841604	1.402181018	0.389920894	5.96366264
11344	6.84020032	8.182972824	4.85966799	1.683854296	0.408648971	5.974225196
11345	10.07124647	10.6423498	9.415484632	1.130302923	0.246022462	2.442820387
11346	5.725816727	6.544948002	4.494237705	1.456297693	0.307941236	5.378118975
22795	9.033699846	9.967105868	7.493140809	1.330163962	0.387648009	4.291132266
22796	6.154577432	7.014660317	4.696989471	1.493437522	0.275696659	4.479538397
22797	3.940128813	6.760658471	2.00551973	3.37102566	0.825487675	20.95077886
22800	7.372953273	8.364986105	6.578902733	1.271486515	0.327222434	4.438146038
22808	6.298292727	7.405294867	5.530717123	1.338939364	0.271953279	4.317888848
22809	5.800825479	6.305343577	4.826519462	1.306395556	0.235559171	4.060787071
22821	5.299612216	6.346096639	4.297193234	1.476800389	0.387536007	7.312535157
22822	7.571639471	9.726281783	6.443688274	1.509427733	0.571566101	7.548775976
22824	5.14062425	6.480458445	3.404313188	1.903602309	0.586729976	11.4135939
22826	8.037264047	8.484597347	7.390962528	1.147969201	0.207448596	2.581084744
22827	8.482444584	9.028732396	7.745065658	1.165739943	0.217118764	2.559624905
22828	8.551243289	9.147240267	8.120289841	1.126467213	0.211501895	2.473346714
22832	5.573811226	6.497681174	4.360378609	1.490164446	0.339531546	6.091550874
22834	7.067613866	8.100891994	6.016810306	1.346376499	0.429146259	6.072010538
22836	6.056371523	6.882351873	5.140142324	1.338941889	0.376887776	6.222996296
22837	5.745304008	6.831699989	5.192142452	1.315776686	0.286288607	4.983001881
22838	7.452924819	8.614868566	6.449485405	1.335745106	0.378367982	5.076771754
22839	6.10776057	6.914362551	5.465872194	1.265006262	0.255158212	4.177606652
22841	7.765199571	8.446720935	6.974072666	1.211160442	0.2716544	3.498356968
22844	4.338740712	5.546778135	2.243131699	2.47278309	0.365000929	8.412600653
22846	4.912129735	5.677802371	3.196287611	1.776374051	0.402847854	8.201083357
22849	6.041090777	6.902590062	5.152076261	1.339768612	0.352821569	5.840361984
22850	7.326500173	8.667229149	6.743032377	1.285360749	0.252732702	3.449569322
22852	5.077993894	5.788844912	2.426665278	2.385514378	0.374629035	7.377500703
22853	5.260292538	6.598345701	4.066956536	1.622428379	0.309205285	5.87810055
22854	4.191919726	5.355674024	2.729744085	1.961969275	0.424245059	10.12054349
22856	7.742926097	8.902323482	6.205108276	1.434676574	0.407247882	5.259612151
22858	4.751226303	5.640329206	3.548884265	1.58932464	0.292546102	6.157275693
22862	6.686654644	7.308322901	5.975559143	1.223035824	0.220880149	3.303298299
22863	7.300052184	8.076955	5.891382678	1.370977823	0.340492358	4.664245538
22865	3.921791794	8.953035387	1.47113476	6.085802354	0.731698728	18.65725583
22868	5.977332867	6.612691785	5.412910508	1.221651785	0.207918932	3.478456641

22869	5.843434454	6.544073257	4.893958649	1.337173794	0.286881053	4.909459587
22870	7.237365508	8.336516571	5.31965064	1.567117304	0.396579697	5.479614044
22871	4.161164897	6.310399958	1.335235514	4.726057608	0.605223123	14.54455995
22872	9.264123776	10.19258443	8.490371376	1.200487468	0.270813852	2.923253823
22873	4.802010909	5.718142262	3.248255184	1.760373474	0.396005617	8.246662167
22874	4.491746443	7.346138333	3.44650683	2.131473604	0.479889454	10.6838055
22875	6.896309589	7.719978608	6.06336548	1.273216769	0.342839232	4.971343399
22876	5.56651998	6.447796315	4.229813844	1.524368814	0.299513817	5.38062951
22877	6.295063348	7.939171365	5.393298702	1.472043698	0.330964532	5.25752504
22878	8.095887185	9.60664111	7.350931139	1.306860441	0.279447058	3.4517163
22880	6.347490973	6.942929603	5.548553191	1.251304505	0.247556208	3.90006396
22882	6.937757553	7.919776723	6.223103549	1.272641	0.358174734	5.162687381
22883	8.32703532	9.055185889	7.378582137	1.227225735	0.318317762	3.822702194
22884	5.886527807	6.341934031	5.415806179	1.171004615	0.195253604	3.316957129
22885	5.821464978	6.969470506	4.038412725	1.725794509	0.37626642	6.463431825
22887	7.093442243	7.895003028	5.967905965	1.322910092	0.231293622	3.260668285
22889	6.699458317	7.766720066	5.631779658	1.379088057	0.330367529	4.931257326
22890	5.745982236	6.502617223	4.584829301	1.418289929	0.289898447	5.045237444
22891	4.154218346	4.964662404	2.877718672	1.725207698	0.335404955	8.073840303
22893	6.88976081	7.888138218	6.252992622	1.261498085	0.306363111	4.446643644
22894	6.227715786	6.778706376	5.317950209	1.274684062	0.233244404	3.745264114
22895	4.273151627	6.377665557	1.763891353	3.61567936	0.455048284	10.64900859
22897	5.985570671	6.754676686	4.89767357	1.379160246	0.268278186	4.482082013
22898	5.760508304	6.61106398	3.805733979	1.737132447	0.336464444	5.840881162
22900	5.837551984	6.619154115	4.121638761	1.605952025	0.337620674	5.783600305
22902	7.10481949	8.359399283	6.057207466	1.380074784	0.363373453	5.114464258
22903	7.131370607	7.984430639	6.185123875	1.290908767	0.334154953	4.685704496
22904	5.673421335	6.701803157	4.163494604	1.609658182	0.397005719	6.997642094
22906	7.090400387	7.772146823	6.455592245	1.20394017	0.252585731	3.562362029
22907	6.519847827	7.212845092	5.350927623	1.347961625	0.232850797	3.5714146
22908	9.051284137	9.686055083	8.345431223	1.160641652	0.236102126	2.608493139
22909	6.455228527	7.265689404	5.732407977	1.267475978	0.238472867	3.694259099
22911	6.788473982	7.671834469	5.361284077	1.430969588	0.283924992	4.1824568
22913	8.016586023	8.577542731	7.432673976	1.154031881	0.21062826	2.627405978
22915	6.957941341	9.218224251	3.530221797	2.611230903	1.212900238	17.43188364
22916	7.220938648	7.890428462	6.469939013	1.219552216	0.233916091	3.239413916
22918	7.073163266	8.315418797	5.911498468	1.406651603	0.502380951	7.102634735
22919	8.798130128	9.852942569	8.162403595	1.207112887	0.278969458	3.170781221
22920	7.743327426	8.272766325	6.984743007	1.184405255	0.218994412	2.828169337
22924	5.049331727	6.360012627	4.017961791	1.582895248	0.3040466	6.021521583
22925	6.571708462	8.770831306	4.885442418	1.795299291	0.686428055	10.44519944
22926	7.301226721	7.882953901	6.380241656	1.235525914	0.233486107	3.197902429
22927	6.246926468	6.884352355	5.650744075	1.218308999	0.198423792	3.176342692
22928	8.717937778	9.133313062	8.089220875	1.129072033	0.19123089	2.193533552
22929	8.028628642	8.536025038	7.254979809	1.17657461	0.252394373	3.143679753
22930	6.889659692	7.268338513	6.532169549	1.112698998	0.154029129	2.23565656
22934	7.033714259	7.904087456	6.086713978	1.298580397	0.286272115	4.069999219

22936	6.690956607	8.220300837	5.501808292	1.494108919	0.424774778	6.348491006
22937	7.679119836	8.4291359	6.934838199	1.215476938	0.293701627	3.82467826
22938	8.100929219	8.655940108	7.594814339	1.139717144	0.170567769	2.105533378
22941	5.471778317	6.832306576	4.551651701	1.501060939	0.43940238	8.030339578
22943	3.383894138	4.989291075	0.263337534	18.94637272	0.758405995	22.41222579
22944	5.095615646	5.715950583	4.457552398	1.282306987	0.208775348	4.097156499
22948	7.709957293	8.29825278	6.680827064	1.242099623	0.296786206	3.849388453
22954	5.713653379	6.194082244	4.375626302	1.415587579	0.222123021	3.887583055
22974	4.680784818	8.21474845	1.620656663	5.068777759	1.025951243	21.91835949
22976	6.969400992	7.597364339	6.316619002	1.202758048	0.245007992	3.515481349
22978	7.270913647	8.639148416	6.668990986	1.295420617	0.284351385	3.910806795
22980	7.631427293	8.250017177	6.905246752	1.19474618	0.236442356	3.098271744
22981	6.85425694	7.499313382	5.453050116	1.375251139	0.360251101	5.255873891
22982	6.123217158	7.361144147	4.961312895	1.48370891	0.298618212	4.8768189
22983	4.226586844	7.409275441	0.83397853	8.88425202	0.694520199	16.43217624
22984	6.037962699	6.504557293	5.291628652	1.229216508	0.221042899	3.660885474
22985	7.359374614	8.308922479	6.431555219	1.291899424	0.304537238	4.138085823
22987	4.043624058	5.165276177	2.722592214	1.897190535	0.289781547	7.166382007
22990	5.874378482	6.357347975	4.958371304	1.282144395	0.239687423	4.080217564
22992	7.528125312	8.280884502	6.793479843	1.218945915	0.24855372	3.301668207
22994	5.285610098	7.039795456	3.047383577	2.310111372	0.403713173	7.637967341
22996	4.41792982	5.737425175	3.708065105	1.547282751	0.333692619	7.553144408
23001	6.546694627	7.227997796	4.844875827	1.491885046	0.337064046	5.148614157
23002	6.843731321	8.203062386	5.989177506	1.369647565	0.319836755	4.673426521
23007	5.015159129	7.026361077	3.837916509	1.830774865	0.51264827	10.22197415
23008	6.990506046	7.57756219	6.2758208	1.207421695	0.271072933	3.877729762
23012	6.88983014	7.966627133	5.983919569	1.331339274	0.269560544	3.912441064
23013	7.061840776	7.851999117	5.943033191	1.321210713	0.329422644	4.66482684
23016	7.745025149	8.45974269	7.040609102	1.201564036	0.256244256	3.308501278
23019	7.061667042	7.702875636	5.573302189	1.382102634	0.265760626	3.763426173
23022	8.240907124	9.875858362	7.337797382	1.34588867	0.435248177	5.281556637
23023	5.956791152	7.636698303	3.916337647	1.949959118	0.321439694	5.396188743
23024	4.467079132	5.463033962	3.266227421	1.672582236	0.315983319	7.073600215
23028	7.636692781	8.319126494	7.032450552	1.182962672	0.239418101	3.135101906
23030	6.358072848	6.928444069	5.83423819	1.187549058	0.205781538	3.236539479
23032	7.202529433	7.943961017	5.757160945	1.37984001	0.321656691	4.465885138
23033	5.787262433	6.717768085	5.005296693	1.342131845	0.299523735	5.175568556
23034	5.046305618	6.601598568	3.496285513	1.888174906	0.430865874	8.538243742
23035	6.219236494	7.437705923	5.469981931	1.359731351	0.276323188	4.443040365
23037	4.396528401	5.770832415	3.122780035	1.847979156	0.336748039	7.659407792
23038	6.4445921	7.124143552	5.613928233	1.269012224	0.238041776	3.693667065
23039	6.398928084	7.113308768	5.529310507	1.286473017	0.24111843	3.76810658
23040	3.526460318	6.050413494	1.947089186	3.107414667	0.404847552	11.48028095
23043	5.418269309	6.690964132	3.140759805	2.1303648	0.515837935	9.520345065
23046	4.886883095	7.657107168	2.379345742	3.218156585	0.769354636	15.74325846
23047	5.311465056	6.065227602	4.194674759	1.445935132	0.251030986	4.726209876
23048	7.369492266	8.51628029	6.562918111	1.297636226	0.366489247	4.97305966

23051	6.290403144	7.358344487	4.80952398	1.52995276	0.379801183	6.037787628
23053	5.850714109	6.829577657	3.269381056	2.088951254	0.35243096	6.023725545
23054	6.760698502	7.662524123	6.02868357	1.271011164	0.236907267	3.504183291
23059	6.272692297	7.385365933	5.567106897	1.32660753	0.326533773	5.205639903
23061	7.638854881	8.176994865	6.867852437	1.190618893	0.218871138	2.865234927
23062	6.753413808	7.53852511	6.271018759	1.202121282	0.249491937	3.694308449
23063	6.567878214	7.158120574	5.533582768	1.293577936	0.238708911	3.634490516
23065	6.237709625	7.064567503	5.405257224	1.306980817	0.284446745	4.560115209
23066	5.476355829	6.406882908	4.889231349	1.310406984	0.28300041	5.167677532
23070	7.128118313	7.61300068	6.54083809	1.163918228	0.207089187	2.905243407
23071	6.858527282	7.551060982	6.36119859	1.187050031	0.217437861	3.170328729
23072	4.24230323	5.340631529	3.079850022	1.734055714	0.281187119	6.628171147
23075	7.328017567	8.311391511	6.357731769	1.307288796	0.361949458	4.939254783
23076	6.8186313	7.692981827	5.36743533	1.433269589	0.290964624	4.267199838
23077	8.227848968	9.095870216	7.406583861	1.228079015	0.308371176	3.747895441
23078	6.334462202	7.189972599	5.596133204	1.284810839	0.244339529	3.857305035
23080	5.192233136	5.990805221	4.288071638	1.397086086	0.210656289	4.057142348
23081	5.306668716	6.176493167	4.695410448	1.315432002	0.243358829	4.585905806
23082	6.741539387	8.647350962	5.540158291	1.560849078	0.44817167	6.647912944
23085	5.844298851	6.713882349	4.608532371	1.456837407	0.350503937	5.997365047
23086	5.136877294	6.482392832	2.833168057	2.28803682	0.507647439	9.88241319
23089	5.807469402	8.903238898	4.463219319	1.994802017	0.616702513	10.61912633
23090	6.339316005	7.668668809	5.120469894	1.497649428	0.402135928	6.343522357
23091	6.213018073	6.859985219	5.115513191	1.341016036	0.270419217	4.35246146
23092	5.09298842	5.648435166	3.782913756	1.49314405	0.270259241	5.306496278
23093	5.263686958	5.909080273	4.70132136	1.256897757	0.188374984	3.578764956
23097	6.06851025	7.575837048	5.257826285	1.440868647	0.314368249	5.180319978
23099	6.331042865	7.423139884	4.815782679	1.5414192	0.279052502	4.407686196
23101	3.313325806	4.815834649	-0.075574396	-63.72309779	0.529975617	15.99527628
23102	5.821324936	6.551682457	4.990413129	1.312853723	0.20423877	3.5084585
23105	3.9572076	6.557427292	2.84725138	2.30307283	0.405426978	10.24527948
23107	6.245053682	7.467087152	5.590371658	1.33570496	0.232829031	3.728215049
23109	4.437919525	7.887411468	3.183384596	2.477680981	0.464032067	10.45607213
23111	6.771338482	7.751084594	5.369765295	1.443468041	0.309564616	4.571690177
23112	7.024137913	7.672816921	5.878462427	1.305242147	0.319224547	4.54467938
23113	6.065363765	8.15998326	5.552034525	1.469728479	0.264849995	4.366597041
23114	4.738938961	5.969452774	4.134545973	1.443798863	0.298783456	6.304859772
23116	7.942841718	8.747200478	7.078441747	1.235752273	0.295885618	3.72518588
23118	6.834268634	7.653044617	5.999507904	1.275612057	0.200396517	2.932230612
23122	5.926425845	6.505279563	5.216823709	1.246980908	0.208633654	3.520395927
23125	6.560378108	7.263211077	5.626310138	1.290936848	0.275688499	4.202326372
23126	7.47018375	8.976959337	5.732136735	1.566075576	0.420453949	5.628428476
23127	5.095474282	6.63462821	4.017451046	1.65145216	0.397136883	7.793913993
23129	6.425964442	7.092663335	5.636814573	1.258275085	0.283221317	4.407452294
23130	7.185562326	8.229898675	6.496682079	1.266784887	0.292894115	4.076147439
23131	6.652968896	7.375985244	5.633048822	1.309412625	0.270310439	4.063004699
23132	5.887647311	6.927576829	3.897135125	1.777607552	0.335848057	5.704282866

23133	5.127529819	5.700371168	3.683564055	1.547515146	0.231699189	4.518729229
23135	5.990109541	8.306799874	4.513380322	1.840483026	0.443216861	7.39914445
23136	6.212863716	9.040085241	4.080362568	2.215510286	0.799898504	12.87487607
23137	6.134717367	6.761651741	4.626836863	1.461398346	0.332379032	5.418000741
23138	4.474110487	5.694133244	3.563756378	1.597789703	0.313680282	7.011008853
23139	5.689244816	6.540591439	4.632860847	1.411782407	0.241624887	4.247046745
23140	5.83024027	6.588802061	4.796152577	1.373768235	0.248237676	4.257760643
23141	6.095858993	7.082994351	4.934772279	1.435323445	0.277673544	4.555117575
23142	6.953323885	7.929018603	6.231320972	1.272445865	0.307128959	4.417009247
23149	4.71825884	6.270290793	1.87653846	3.341413419	0.592856976	12.56516431
23151	5.852516927	7.783262821	4.53982058	1.714442825	0.353194209	6.034911359
23152	6.821361603	7.40594539	6.051534888	1.223812723	0.27277334	3.99881073
23155	6.673648803	7.34427734	5.637278838	1.302805405	0.266237906	3.989390413
23157	5.395195255	8.004613398	3.327387068	2.405675455	0.791425085	14.66907215
23158	5.749186528	6.709289913	4.807032058	1.395723979	0.340415424	5.92110592
23161	6.597688223	7.213263887	5.805028852	1.242588809	0.298704724	4.527414961
23162	5.402937999	6.394750499	4.783318192	1.336885869	0.220534001	4.081742207
23163	5.849715066	6.616323305	4.810706551	1.375332965	0.256735233	4.388850233
23164	6.883330943	7.302393586	6.484148828	1.126191545	0.157982266	2.295142671
23165	6.355685038	6.913594039	5.849761026	1.181859226	0.201609458	3.172112161
23167	8.931535496	9.604056234	8.445053553	1.137240418	0.223165858	2.498628128
23168	6.908943848	7.514344813	6.42692067	1.169198314	0.198048151	2.866547414
23169	6.169160422	6.945594217	4.936682257	1.406935641	0.275515816	4.46601802
23170	6.495245577	7.114108837	5.213259899	1.364618104	0.27766413	4.274882715
23171	8.880536928	10.48659262	7.590691375	1.381506915	0.46229416	5.205700557
23172	7.223109743	7.661533089	6.43082471	1.191376446	0.212596827	2.943286685
23173	7.658357297	8.769512033	7.009578256	1.251075559	0.241381561	3.151871237
23175	6.769722678	7.959946032	5.289850853	1.504758122	0.349638363	5.16473687
23177	6.406900246	7.252865487	5.004119778	1.449378874	0.320943805	5.009346059
23178	5.369590726	7.512141813	4.3381034	1.731664998	0.642001971	11.95625521
23179	7.469899547	9.113333147	5.984607752	1.522795399	0.464101791	6.21295893
23180	7.072519164	8.386998165	6.400525411	1.310360888	0.287234842	4.061280505
23185	6.477467408	7.245252382	5.801233026	1.248915937	0.22442297	3.464671544
23186	5.760442902	6.88145566	4.557442807	1.509937909	0.311039999	5.3995848
23189	6.129565169	6.914921045	5.378719177	1.285607376	0.266331832	4.345036312
23190	7.730517633	8.575844779	6.887924505	1.245054991	0.267483569	3.460099073
23191	8.610183289	9.121380367	8.139211612	1.12067124	0.203234952	2.360402155
23192	6.742118933	7.349484884	5.822232093	1.262313966	0.210828478	3.127035878
23193	8.5184577	9.199702476	7.584100732	1.213024827	0.29178959	3.425380509
23194	6.381275534	7.157046163	5.332275668	1.342212333	0.377589754	5.917151698
23195	5.66243442	6.765880044	4.787517404	1.413233514	0.269315426	4.756177403
23196	6.649001841	7.230754975	6.157508937	1.174298738	0.181988322	2.737077327
23197	7.476676496	7.978264542	6.741193665	1.183509173	0.227990159	3.049351661
23198	7.134303129	9.568013176	5.585909775	1.712883588	0.410458672	5.753311351
23199	6.946967944	7.752255913	6.301724184	1.230180136	0.27261499	3.92422985
23200	5.976536591	6.538463865	5.300048059	1.233661241	0.204162442	3.416066123
23201	6.648598117	8.345616461	5.293962269	1.576440488	0.336984513	5.068504777

23203	7.428270977	8.184819258	6.806259977	1.202542848	0.215373532	2.899376345
23204	9.450220436	10.36574945	8.996516514	1.152195901	0.237717964	2.515475333
23208	5.200881264	6.725994613	4.124360052	1.630797149	0.407278186	7.83094566
23209	4.066368464	7.111532462	1.937855417	3.669795177	0.543183852	13.35795948
23210	5.642466639	6.683537074	4.305615193	1.552283884	0.310152042	5.496745696
23212	7.006329731	7.695372837	5.596281439	1.375086818	0.328010151	4.681625948
23213	7.379996077	8.81873644	5.734592771	1.537813894	0.613645733	8.314987249
23214	7.701705761	8.452098857	6.708126079	1.259979129	0.298596447	3.877017069
23215	7.595342641	8.40944399	6.524666346	1.288869583	0.381317583	5.020413175
23216	6.131534193	6.858441706	5.722197868	1.198567729	0.202314175	3.299568566
23219	6.615007115	7.124365293	6.064330412	1.174798339	0.212367058	3.210382904
23221	6.356354386	7.916411847	5.375045051	1.472808464	0.392511588	6.175105487
23223	5.278350416	6.370107423	3.953293207	1.61134201	0.316075313	5.988145682
23224	6.288475925	7.316793644	5.347482057	1.368268947	0.307722949	4.893442421
23225	5.625964263	7.444820394	4.081630511	1.823981954	0.501686033	8.917334158
23228	5.315832648	6.641853758	3.813814879	1.741524947	0.453026865	8.522218346
23229	5.928178464	6.573716938	4.093480993	1.605898977	0.308706933	5.20745006
23230	5.639630745	6.459769631	4.857066989	1.329973345	0.271720621	4.818056941
23231	5.924835233	8.065010144	4.958312799	1.626563404	0.665655208	11.23499949
23235	5.824475882	6.804399109	4.993010532	1.36278485	0.273413493	4.694216243
23236	4.906429396	5.626476676	3.946016551	1.425862412	0.291126533	5.933572256
23237	5.297179085	10.60236991	2.67833775	3.958563444	1.371505171	25.89123661
23239	5.433458056	7.018684238	4.116333132	1.705081686	0.346858091	6.383744702
23240	6.295938043	8.999472619	4.528177257	1.987438236	0.772704928	12.27307072
23241	6.582759048	6.92326287	6.107469185	1.133573115	0.163232869	2.479702923
23242	6.002794724	7.408618899	4.487614125	1.65090373	0.577403126	9.618905074
23244	7.131882523	7.609946047	6.261501668	1.21535479	0.2267599	3.179523768
23245	4.421216325	6.075138335	2.736647916	2.219919595	0.356315045	8.059208562
23247	7.174670776	8.039022497	6.186340793	1.299479412	0.365067572	5.088283254
23248	7.346539677	7.973942137	6.269422126	1.271878329	0.294589483	4.00990801
23250	5.387375382	6.492713157	3.444182608	1.885124541	0.371004305	6.886550106
23251	4.278177902	5.809568493	1.120989359	5.182536699	0.50702615	11.85145083
23253	7.243685669	8.210298603	5.504014006	1.491692898	0.475335242	6.562063349
23254	5.78941631	7.139234567	4.906277472	1.455122465	0.346565862	5.98619694
23255	4.308104354	5.277865624	0.884571956	5.966575797	0.488652468	11.34263304
23256	6.684058566	7.322676186	5.733087921	1.277265635	0.221801046	3.318358808
23258	8.067386474	8.665707931	6.941742202	1.248347703	0.274920902	3.407806269
23259	7.462409558	8.025393496	6.614714509	1.213263775	0.216556014	2.901958301
23261	6.53313017	7.33328986	5.990296075	1.224194893	0.221737233	3.394042776
23262	7.50488329	8.58491464	6.868508788	1.249894978	0.285155419	3.799598315
23263	5.403068838	6.527205384	4.830139364	1.351349286	0.251066904	4.646746351
23264	5.435017974	7.0259831	4.044581377	1.73713481	0.303820403	5.590053329
23268	5.538786415	6.681409156	4.08625475	1.635093641	0.390262154	7.045986693
23269	6.242226102	7.166412061	5.628577983	1.273218934	0.232094001	3.71812871
23270	8.375541057	9.340935938	7.540100558	1.238834398	0.318184447	3.798971851
23271	7.61050072	8.431410115	6.538059323	1.289589112	0.33010537	4.337498698
23272	6.793060143	7.781206728	6.330481027	1.229165161	0.202575811	2.982099472

23274	5.655387618	6.86652223	4.221247392	1.626657145	0.318375134	5.629589965
23275	5.481542	7.069041919	4.659758739	1.517040327	0.28229629	5.149943034
23276	5.668255175	6.257223404	4.510509879	1.387254118	0.237282605	4.1861666
23277	6.370415001	8.172533232	4.330265241	1.88730546	0.3738144	5.86797563
23279	6.116098084	6.799317885	5.428370299	1.252552334	0.237931392	3.890248134
23281	4.314862133	6.044661123	3.516129715	1.719123472	0.369517695	8.563835493
23283	6.894305931	7.676123946	5.782805352	1.327404863	0.292226177	4.238659847
23284	3.984268328	5.57878509	2.07326754	2.690817747	0.436886551	10.96528935
23286	5.766493945	7.027457731	4.940348082	1.422462064	0.407426542	7.065411764
23287	5.70740784	6.196058925	5.159741251	1.20084683	0.189377888	3.318106809
23288	5.944612126	6.662091299	5.01734556	1.327811931	0.300528579	5.055478344
23293	5.315257919	6.093490219	4.163640582	1.463500535	0.25826181	4.858876348
23294	7.851474712	8.87552143	6.700241107	1.324657022	0.375548299	4.783156195
23299	6.051992629	6.555490298	4.928705489	1.330063302	0.298753507	4.936448621
23300	7.214425856	8.23680623	6.782070339	1.214497317	0.211898302	2.937147137
23301	6.96419344	7.786224145	6.001231435	1.297437739	0.321555656	4.617270599
23303	7.061794188	7.962600287	6.071527893	1.311465652	0.325286661	4.606289171
23304	6.173291172	6.818975003	5.290921829	1.288806606	0.227366239	3.683063587
23306	5.568802708	6.422572152	4.348664788	1.476906698	0.329409833	5.9152721
23308	5.098805454	6.65670077	3.652039462	1.82273517	0.40464729	7.936119425
23309	6.021420625	6.611267539	5.009915683	1.319636488	0.257456119	4.275670722
23310	6.226375433	6.768557967	5.665905007	1.194611974	0.218205924	3.504541708
23312	5.778791254	6.586599621	3.948540167	1.668110071	0.340695782	5.895623626
23313	6.020132423	7.077962937	4.767796501	1.484535453	0.406293258	6.748908991
23314	4.349239341	5.270403753	3.002679227	1.755233695	0.322753469	7.420917622
23315	6.34907503	7.182217168	5.344612729	1.343823684	0.339653013	5.349645593
23317	5.712967348	6.507249822	4.390154113	1.482237219	0.296424838	5.188631758
23318	6.220618954	7.354637638	5.383838377	1.3660584	0.301170438	4.841486677
23321	7.12573227	8.479825738	5.965972026	1.42136532	0.462187864	6.486180603
23322	4.533324468	5.400857928	3.048470046	1.7716618	0.3449208	7.608561939
23324	8.064704053	8.772576391	6.969167924	1.258769553	0.347562146	4.309670182
23325	7.494752796	8.450303344	5.780232481	1.461931397	0.438343782	5.848675654
23327	6.20140362	7.084166236	5.072037115	1.396710252	0.350234245	5.647660859
23328	8.962343733	10.46916308	7.29627916	1.434863284	0.482465478	5.383251217
23332	6.469357549	7.57331886	5.401994499	1.401948643	0.36525555	5.645932339
23335	5.988610363	6.951631859	4.020322464	1.729122955	0.360923133	6.026826116
23338	6.284300638	7.726281107	5.388190034	1.433928844	0.356087514	5.66630297
23339	6.974899305	8.089008588	5.709350098	1.41680024	0.293888352	4.213513897
23344	8.164608253	9.129373383	7.340953992	1.243622204	0.312423547	3.826558938
23348	6.109326506	7.021781457	4.738190181	1.481954331	0.345169707	5.649881487
23349	4.450791035	5.955250149	3.055300039	1.949153953	0.372502642	8.369358146
23350	6.922759142	7.583219215	5.972954839	1.269592592	0.238883075	3.450691695
23352	5.976918954	6.907341407	4.612088904	1.497660074	0.230065022	3.849224396
23353	6.378302022	7.152300247	5.760995181	1.241504293	0.2477756	3.884663962
23354	5.983926007	6.703490238	4.774764444	1.403941559	0.244616773	4.087897696
23355	5.714007315	6.422977027	4.362440731	1.472335654	0.280284919	4.905225065
23357	5.862452165	6.600965704	5.333045459	1.237747879	0.1703695	2.906113261

23359	5.500548486	7.760544167	2.736599654	2.835834667	0.674937124	12.27036042
23360	6.271994179	7.369055329	5.634206915	1.307913508	0.281845935	4.493721251
23361	6.790643215	7.623141652	5.932110355	1.285064032	0.283704952	4.177880396
23362	5.894494178	7.206634138	4.326936794	1.665527943	0.512891376	8.701194044
23365	5.161917932	5.993323322	4.301746566	1.393230222	0.228474574	4.426156646
23366	5.591613243	7.016810086	4.401713339	1.594108826	0.555965571	9.942847385
23368	8.28892401	9.576078551	6.921931341	1.383440268	0.494379886	5.964343329
23369	7.817980853	8.907785081	7.25402241	1.22797871	0.227458179	2.909423593
23370	7.957490418	9.429927391	6.816721207	1.383352363	0.418876794	5.263930858
23371	7.306935315	8.218584224	6.047962991	1.35890121	0.367458973	5.028906884
23373	5.924514274	7.54315154	5.40349661	1.395975992	0.324365023	5.474963983
23376	7.027521865	7.780584683	6.020128671	1.292428303	0.29622312	4.215186029
23378	5.141396865	5.815435044	4.129806146	1.408161749	0.229263524	4.459168004
23381	6.581740516	7.482912728	5.985664999	1.250138912	0.23438592	3.561154059
23382	7.224236029	8.100321383	5.875805868	1.378589008	0.407681297	5.643244428
23383	6.003729822	6.798588419	4.836750396	1.405610764	0.214545656	3.57353949
23385	6.782019187	8.469444862	5.549765012	1.526090716	0.275965513	4.069075972
23386	6.019330946	7.1274539	5.012318833	1.421987335	0.30058585	4.993675426
23387	6.723557915	7.559141625	6.078649267	1.243556141	0.227757956	3.3874618
23389	6.89752236	7.599421244	5.955333039	1.276069902	0.29312063	4.249651036
23390	5.925233895	6.759643783	4.488022203	1.506152037	0.311818139	5.262545659
23394	8.328444516	8.976305145	7.1992114	1.246845612	0.222925927	2.676681419
23395	6.353658528	7.190202212	5.036002515	1.427759853	0.27735127	4.365221525
23396	7.059756141	8.437410355	5.599496411	1.506815923	0.387361946	5.486902645
23397	3.837921463	6.046570755	-0.538430449	-11.22999408	0.98206308	25.58841001
23403	7.186125728	8.113213682	6.539827415	1.240585289	0.300553659	4.18241581
23405	6.657785718	7.71341274	5.770793681	1.336629442	0.293703133	4.411423643
23421	7.450539066	9.396533785	6.083612601	1.544564784	0.562507438	7.549889122
23423	6.489044929	7.348584106	5.481452801	1.340627088	0.226857722	3.496010954
23424	6.93128418	7.709722086	6.268716432	1.229872522	0.213982021	3.087191566
23426	5.058228133	6.815843265	4.365605932	1.561259392	0.405727469	8.021138206
23428	6.412095649	7.782676135	5.594300183	1.391179572	0.393772973	6.141096361
23432	5.031637638	6.178374344	4.237331516	1.458081418	0.278976791	5.544453132
23433	7.725813125	8.38957862	7.161245393	1.171525085	0.211158867	2.733160428
23435	7.258189649	7.80080033	6.859015962	1.137306047	0.18464229	2.543916586
23438	7.030702959	7.505002475	6.032767266	1.244039782	0.221787677	3.154559063
23443	7.770418457	8.541174221	6.845942586	1.247625745	0.332955244	4.284907513
23450	6.861580871	7.258462148	5.847159903	1.241365427	0.224116202	3.266247331
23452	6.295152737	8.344223154	4.532064473	1.841152791	0.48504271	7.705018928
23457	4.829738278	5.915053561	3.93739183	1.502277095	0.253993703	5.258953774
23460	4.987293001	7.045280229	3.531346947	1.995068832	0.588587886	11.8017507
23461	5.665546795	6.993793328	4.318532398	1.619483816	0.417770574	7.37387916
23464	7.086997438	8.68910166	5.898187196	1.473181737	0.412952026	5.826896787
23466	8.153908619	9.136537832	7.40499874	1.233833813	0.263245118	3.228453129
23468	6.83907014	7.442739214	4.997069013	1.489420937	0.336833984	4.925142991
23469	7.212317274	7.791944756	6.162634135	1.264385421	0.283719478	3.933818592
23471	8.947614983	10.11995061	8.103760601	1.248796838	0.291146951	3.253905667

23473	7.679584157	8.640580549	6.716441628	1.286481894	0.378340122	4.926570425
23475	6.207836056	7.511665145	4.668218412	1.609107476	0.380587546	6.130760258
23476	6.474501864	7.407454175	4.998272548	1.482002853	0.262338977	4.051878936
23478	9.720015437	10.40642939	9.087599264	1.145124151	0.250283732	2.574931424
23479	9.967052366	10.77668218	8.807310403	1.223606491	0.30989467	3.109190748
23480	9.507894685	10.54895423	8.585687717	1.228667356	0.370244049	3.894069734
23481	5.729145868	7.21129676	4.714419396	1.529625635	0.249854306	4.361109182
23483	5.844806451	6.615048417	5.197592079	1.272714041	0.243744805	4.170280176
23484	7.65344692	8.887190915	6.987409038	1.271886456	0.353266872	4.61578784
23492	8.170802255	9.380747808	7.346418217	1.276914481	0.419579824	5.135111713
23498	5.327959515	6.947077184	2.570187245	2.702945942	0.432908511	8.125221481
23500	6.428803071	7.570656559	5.433160307	1.393416747	0.33072855	5.144480967
23503	6.724316238	7.287685686	5.214665261	1.397536624	0.284316533	4.228185038
23504	3.968204577	5.343059778	2.771025656	1.92818849	0.308422424	7.772341819
23507	5.173583144	6.429877479	4.398703188	1.461766617	0.295255812	5.706988818
23508	5.804434615	7.724089991	4.88108047	1.582454958	0.532140464	9.167825962
23509	5.333589436	6.65226739	4.620639304	1.439685496	0.285571815	5.354214431
23510	7.158828994	7.990855468	5.132967347	1.556771148	0.351079137	4.904141972
23515	7.648418292	8.248399816	6.97685462	1.182251927	0.270906817	3.541997921
23516	7.277974686	8.212481485	6.228651798	1.318500657	0.370241812	5.087154436
23517	6.882070368	7.591531465	5.875807706	1.291997942	0.205680582	2.988643983
23518	6.211591394	7.188422643	4.730404592	1.519621103	0.271908665	4.377439663
23523	7.245567726	7.930057715	6.409923692	1.237153217	0.286664262	3.956408564
23524	7.209243174	8.185719315	6.001281161	1.363995303	0.325050337	4.508799738
23526	5.295410805	7.315391986	3.617118266	2.022436494	0.675898296	12.76385007
23527	6.013772275	6.627468578	4.862213839	1.36305576	0.278137412	4.625007383
23530	6.507044205	7.259011332	5.569136624	1.303435671	0.289335574	4.446497746
23531	6.579959973	7.700428095	4.755777362	1.619173378	0.464348095	7.057004855
23532	4.128152855	7.207928793	2.452722398	2.938746268	0.622665161	15.08338432
23541	4.710875767	5.577757323	4.136390498	1.348460046	0.242356754	5.144622066
23543	7.000570536	7.785061578	5.870780966	1.326069159	0.318312897	4.546956499
23544	4.310120609	5.467726357	2.719873405	2.010287077	0.371074267	8.609370832
23545	5.401462498	7.016634457	3.916172492	1.791707202	0.301488642	5.581611317
23547	4.967325803	7.744961507	2.201331677	3.51830739	0.709295076	14.27921389
23552	6.169701243	7.778121957	5.498398109	1.414616003	0.292955292	4.748289748
23558	7.631562228	8.383611808	6.824653288	1.228430435	0.30233381	3.961624118
23562	4.413887762	6.267761186	1.64009467	3.821584998	0.493283363	11.17571152
23564	7.985992499	9.104798666	6.793307413	1.34026007	0.351736072	4.404412748
23568	6.459119034	7.284644085	4.540029616	1.604536688	0.290234347	4.493404533
23576	6.060208478	6.743984046	5.048275204	1.335898653	0.285765224	4.715435537
23580	6.889329849	7.853601804	6.169803073	1.272909639	0.276499252	4.013441925
23595	7.302721063	8.166741579	6.448489889	1.266457996	0.284162422	3.891185488
23598	6.147362632	6.892689675	5.39259641	1.278176439	0.264465304	4.302093764
23604	7.510789866	10.22552002	5.577710121	1.833282798	0.922775026	12.28599178
23608	8.289320125	8.821846396	7.698977828	1.145846448	0.209178751	2.523472947
23613	5.911070446	6.726877962	5.096788145	1.319826873	0.246353383	4.167661083
23617	4.908470945	6.040364787	4.380296962	1.378985224	0.211891001	4.31684333

23620	3.747866806	4.374867881	2.392292033	1.828734879	0.29241888	7.802275135
23623	6.928281869	7.859789539	5.317428961	1.478118391	0.359050347	5.182386534
23625	7.287425974	8.301949103	5.626253277	1.475573298	0.41231094	5.657840525
23633	7.154299381	7.721237565	6.444769886	1.198062569	0.266378886	3.723339933
23635	6.539984034	7.641320532	5.87726762	1.300148475	0.396555836	6.063559691
23637	7.916099241	8.73690748	7.13739223	1.224103594	0.304294338	3.843993473
23639	6.076468492	7.169848785	4.861054098	1.47495762	0.414357975	6.819059063
23640	6.713749803	8.140968381	4.339859568	1.875859865	0.388812293	5.791283625
23643	6.499287683	9.174504754	4.398758776	2.085703086	1.091215819	16.78977562
23644	6.369480428	7.01657391	4.949896489	1.417519321	0.291522903	4.576871013
23645	7.104029586	9.684077168	5.431015823	1.783106049	0.723998825	10.19138246
23646	7.325728406	9.134316422	6.365872756	1.434888313	0.400791637	5.471014141
23647	7.359926072	7.94558566	6.532987607	1.21622543	0.270292902	3.672494801
23649	5.428197876	6.157557398	4.464623401	1.379188533	0.249156307	4.590037296
23650	4.450524654	5.696813166	2.429458851	2.344889754	0.384964951	8.649877966
23658	7.221349481	8.666459187	6.35593974	1.363521295	0.36997287	5.123320389
23660	5.72592004	6.297921356	4.843335671	1.30032725	0.234749255	4.099764811
23673	9.214964101	10.17227363	8.300571242	1.225490792	0.361009636	3.917645599
23683	5.505861286	6.257499111	4.452605773	1.405356645	0.27182921	4.937087878
23705	7.618779059	9.177316198	4.029032886	2.277796299	0.594197076	7.79911153
23710	7.698742594	8.912203934	6.514600315	1.368035413	0.438143949	5.691110508
23759	6.143746525	7.030522249	5.680348688	1.237692021	0.186172171	3.030271029
23760	8.286058541	9.178284088	7.538946305	1.217449192	0.249181426	3.007237089
23764	6.687516981	10.59110184	4.712096803	2.247640972	1.133809572	16.95411877
23769	6.069859945	7.514920585	4.927792174	1.525007614	0.588148004	9.689647037
23770	5.843823948	7.163347318	5.003283086	1.431729365	0.313131113	5.35832558
23774	7.052960863	7.956802209	5.971119167	1.332547884	0.311981783	4.423415771
24138	7.077002334	8.337012587	4.963482204	1.679670087	0.347430926	4.909295064
24139	5.775597338	6.452696114	4.524499027	1.426168085	0.259474074	4.492592869
24140	7.015519889	7.752335494	6.166357472	1.257198521	0.242192261	3.452235396
24142	5.688981173	8.215283044	4.313710648	1.904458531	0.520177877	9.143603422
24144	6.552571262	7.271286074	5.708037945	1.273867859	0.232295228	3.545100373
24145	5.780310511	6.813321789	4.806442849	1.417539333	0.288041343	4.983146534
24148	7.262915018	7.960417395	6.418116623	1.240304261	0.334092368	4.599976281
24149	6.323349768	7.006005906	5.264075537	1.330909075	0.291724123	4.61344277
25758	4.076382229	5.180710457	2.446587344	2.117525242	0.425226157	10.4314594
25770	4.417272456	5.641335338	1.648837155	3.421402363	0.420732212	9.524705936
25771	6.712220496	7.095418837	5.577039211	1.272255505	0.219190872	3.26554934
25776	6.429569219	8.502927368	5.698737093	1.492072231	0.345097688	5.367353178
25777	7.43312112	8.626372705	5.7544609	1.499075735	0.402535485	5.415430189
25778	5.903218213	6.9639588	5.111898911	1.3623037	0.291131592	4.931743691
25780	5.819846837	7.270891869	4.468148889	1.627271617	0.405196165	6.962316644
25782	6.581700693	7.099878921	6.057237448	1.172131517	0.148038418	2.249242626
25792	6.399375292	7.555917675	5.573357377	1.355721007	0.260088078	4.064272943
25794	4.344338066	7.08428984	2.610606468	2.713656741	0.574655708	13.22769313
25797	5.622122783	7.86014354	3.809086946	2.063524317	0.862309647	15.33779465
25799	6.048333146	7.51835758	4.973638194	1.511641436	0.349074074	5.771409496

25800	7.696281154	9.189246625	6.510456936	1.411459551	0.447120915	5.809570958
25801	7.203824858	8.309189501	6.179624624	1.344610718	0.298721199	4.146702687
25802	6.661724875	7.884203891	5.143447236	1.532863764	0.538693406	8.086395278
25805	5.023374064	6.625861204	3.818329638	1.735277421	0.458906247	9.135418572
25807	6.022870627	7.380163279	4.964525822	1.486579694	0.248403455	4.124336552
25813	6.876522554	7.503894352	6.131547095	1.223817453	0.205459722	2.987843351
25814	8.326403543	9.004154147	7.938517101	1.134236285	0.184518316	2.216062616
25816	7.359465737	8.838681523	5.523215536	1.600278219	0.525916331	7.146121056
25820	6.56405437	7.771889917	5.504735163	1.411855373	0.30963948	4.717198589
25822	5.202931487	6.910787349	4.399457153	1.570827288	0.356550075	6.852868925
25827	7.401293058	8.594188438	5.972710761	1.438909196	0.459314628	6.205870029
25829	7.833550636	8.844417325	6.937532359	1.274865019	0.29141664	3.720109228
25833	4.222873259	6.883332527	3.615529741	1.903824065	0.446161128	10.56534499
25836	7.252633028	8.113701765	6.431637166	1.261529772	0.29741917	4.100844048
25840	8.346215689	9.968812033	7.714530443	1.292212417	0.405127753	4.854029274
25842	7.592267357	8.293625339	6.674029625	1.24267134	0.306780779	4.04070042
25844	7.788876888	8.698646331	6.284694723	1.384100058	0.335278953	4.304586624
25847	7.234830394	9.235274691	5.646245219	1.635648884	0.408481924	5.646046994
25849	8.796705365	10.66529807	7.618159766	1.399983513	0.548073024	6.230435161
25850	4.910035929	5.834990743	4.193372098	1.391479365	0.275377907	5.608470309
25852	6.107440502	6.815232573	5.384041223	1.265821024	0.246147808	4.030293998
25854	4.764067098	6.179341591	3.836625472	1.610618924	0.411260683	8.632554379
25855	7.105133373	7.53999344	6.581088876	1.145706065	0.192093618	2.703589191
25865	7.072347635	8.011960982	6.291559476	1.273445958	0.320977062	4.53847971
25874	7.749246708	8.510358918	7.062116513	1.205072007	0.29691853	3.831579266
25875	8.08874015	8.810372336	7.111801279	1.238838374	0.313683327	3.878024528
25878	8.771660924	9.999490577	7.247473822	1.379720827	0.538812931	6.142655719
25880	6.620238053	7.433631235	5.880594803	1.264095127	0.278491596	4.206670426
25888	5.715637879	6.405693538	5.003055616	1.280356252	0.217726567	3.809313531
25891	5.970206782	7.039388159	3.481266632	2.022076705	0.508624266	8.519374363
25895	6.68303518	8.023826622	5.762677303	1.392378264	0.373390583	5.587140765
25898	7.1746819	8.061158648	6.435674908	1.252573936	0.339550805	4.732625216
25901	8.97624861	10.15149372	7.93309703	1.279638164	0.330272683	3.679406596
25906	7.476249989	8.199582778	6.646769619	1.233619224	0.274393714	3.67020518
25907	4.957128325	6.743362237	0.799557197	8.43387098	0.862755305	17.40433672
25913	6.853503751	7.699560169	6.221101845	1.237652165	0.291631515	4.255217846
25915	8.546893654	9.379736252	7.641797125	1.227425447	0.316933816	3.708175495
25920	7.353233016	8.761403096	6.530281477	1.341657802	0.296232266	4.028598926
25924	4.763793068	5.673013669	4.147766289	1.367727416	0.323134816	6.783141317
25928	5.061534253	8.131881353	1.529168649	5.317844674	0.996855046	19.69472094
25936	6.157887909	6.638672722	4.691706973	1.414980253	0.207286755	3.366198898
25939	6.409302548	8.248597373	4.65549289	1.771798941	0.724947798	11.31086873
25940	6.894155477	7.775274479	5.72347547	1.358488303	0.285070171	4.134954192
25945	7.506431135	8.307106833	6.150346454	1.35067299	0.431781063	5.752148467
25948	6.82081471	8.148676117	5.316089197	1.532832843	0.403122636	5.910183061
25949	6.752779729	7.826956395	5.968357753	1.311408719	0.263261129	3.898559399
25956	5.230584825	7.912975707	2.939597254	2.691857089	0.542905812	10.37944761

25957	7.769852308	8.752039126	7.057190429	1.240159128	0.342120853	4.403183478
25961	4.404181164	5.248311302	3.452228548	1.520267627	0.261882361	5.946221358
25963	7.074586765	8.061349381	6.447867046	1.25023505	0.262082886	3.704568118
25966	6.963977244	7.439209939	6.193367832	1.201157454	0.232071223	3.332452351
25970	6.569189291	7.248375643	6.003771832	1.207303649	0.255056692	3.882620528
25972	9.003315336	9.88593103	8.135154039	1.21521129	0.31664701	3.517004548
25974	5.579803716	6.242925776	4.951661976	1.260773818	0.256689743	4.600336429
25976	7.71548169	10.51165636	6.39350299	1.644115343	0.776087972	10.05884018
25977	7.501109903	8.189084777	6.792683275	1.205574358	0.256602446	3.420859704
25978	8.390467378	9.12918758	7.676370339	1.189258357	0.269374732	3.210485417
25983	6.137055731	6.985650201	4.732476787	1.476108709	0.270085309	4.400893861
25988	6.138552009	6.762604299	2.277051122	2.969895684	0.421162464	6.860941529
25998	6.293799353	7.235599269	5.493961741	1.317009402	0.258941024	4.114224319
25999	5.291495552	7.111672394	3.927149918	1.810899136	0.439531933	8.306383875
26001	7.828837374	8.810449676	6.561985549	1.342649966	0.318030088	4.062290127
26002	4.821945034	5.926128225	3.962654922	1.495494395	0.37866405	7.852931687
26003	8.534835103	8.992432337	7.976432165	1.127375266	0.194790238	2.282296439
26005	5.710844187	6.385771447	4.14389505	1.541007041	0.260240214	4.556948253
26009	7.504121613	7.994021075	6.775925971	1.179768066	0.239227164	3.187943584
26011	6.76886769	8.339120404	5.535366543	1.506516387	0.531074396	7.845838042
26017	8.221693102	8.776762458	7.67774676	1.143142999	0.190676201	2.319184126
26018	5.641005717	6.967934971	4.84178727	1.439124559	0.335763457	5.9521914
26019	7.43309087	8.26128037	6.554445007	1.260408831	0.309230985	4.160193799
26027	5.508251997	6.65113494	4.941631661	1.345939033	0.318363786	5.779760729
26030	5.821375786	7.838283811	5.271030997	1.487049463	0.283563338	4.871070833
26031	6.662429027	7.558372817	5.435223595	1.390627761	0.38208522	5.734923686
26033	4.150290029	5.696254764	3.018804564	1.886923993	0.334605384	8.062216892
26034	8.798316951	11.26619074	7.255551098	1.552768438	0.678435653	7.710970826
26035	5.419178322	6.090592188	4.394394231	1.385991303	0.341351892	6.298960308
26036	6.357189978	7.077308625	5.696749858	1.242341476	0.2191431	3.447169284
26038	4.059350878	5.600617916	2.890571954	1.937546619	0.315549653	7.773401762
26039	6.664484308	7.24114927	5.943889917	1.218250905	0.261627093	3.925691492
26045	4.182509219	5.582657331	3.026985282	1.84429616	0.344555917	8.238019311
26046	6.159920809	7.010242327	4.626946673	1.515090366	0.333221576	5.409510716
26047	4.358907196	7.575890849	3.231430619	2.344438653	0.555581625	12.74589248
26048	5.620204214	7.165208594	5.0410088	1.421383869	0.329889104	5.869699604
26050	5.658888302	8.256221454	3.90295961	2.115374557	0.962951309	17.01661631
26051	5.567809316	7.874798498	2.645101642	2.977125103	0.832401492	14.95025143
26053	5.392333138	6.82564428	4.218120597	1.618171914	0.402083512	7.456577741
26054	7.100532076	7.821603988	6.369004315	1.228073275	0.286459994	4.034345471
26056	6.834165389	7.577010062	5.864105154	1.292099965	0.266776038	3.903564272
26057	7.734081844	8.323532767	6.78558621	1.226649034	0.309389941	4.000344806
26059	4.238004785	5.207671704	2.888365766	1.802982076	0.33835162	7.983747946
26064	6.939830541	8.055333265	5.850257705	1.376919389	0.46603328	6.715340922
26085	4.576603994	6.127340916	3.083184971	1.987341328	0.392390764	8.573841323
26091	5.630198044	6.360287052	4.85790887	1.309264382	0.222617512	3.953990796
26092	7.291217443	7.810275477	6.664606251	1.171903513	0.249806048	3.426122586

26097	7.870584254	8.513269353	7.209581348	1.180827144	0.207962949	2.642280955
26099	7.215335915	7.6648889	5.890740707	1.30117574	0.269123425	3.729880743
26100	6.764370931	7.339242855	5.898326449	1.244292414	0.194283016	2.872152013
26108	4.844699394	5.934849086	3.745804671	1.584398976	0.418153635	8.631157488
26112	5.7790879	8.151967082	4.209065341	1.936764203	0.764883325	13.2353641
26115	4.87722024	6.074423027	3.353766056	1.811224434	0.36893784	7.564510553
26118	6.951446918	7.920811559	5.889686039	1.344861425	0.379741963	5.462775847
26121	6.70107808	7.334380727	5.988479067	1.224748495	0.239095129	3.568009901
26123	8.210788705	9.916708772	7.234021636	1.370843117	0.474331005	5.77692378
26128	7.87412367	8.612662178	7.011938696	1.228285436	0.278376258	3.535330022
26133	7.017657933	7.729129872	6.422842371	1.203381529	0.216245445	3.081447506
26135	8.160403477	8.996073806	7.721550214	1.165060585	0.212132025	2.59952863
26136	7.30470552	8.350104641	6.44843022	1.294905017	0.275786632	3.775465432
26146	6.067204424	7.194491572	4.922501531	1.461551922	0.32120762	5.294161821
26152	6.918874409	7.363104982	6.358216374	1.158045676	0.197880746	2.860013553
26154	3.51251172	6.613474028	0.161780342	40.87934256	0.644273267	18.34223821
26155	5.519883954	6.630501204	4.092076964	1.620326612	0.323283992	5.856717182
26173	6.02582285	7.747318665	4.935549477	1.569697295	0.378203727	6.2763831
26175	8.068163816	8.934461387	7.467782137	1.196400916	0.296628839	3.67653466
26191	4.019475965	6.303203661	1.627810933	3.872196415	0.709542518	17.65261252
26229	5.973120934	7.323309447	5.064439428	1.446025676	0.302446631	5.063460694
26234	8.897244449	9.650793362	8.039783018	1.200379829	0.282838151	3.178940991
26235	6.33069996	6.941459553	5.142822874	1.34973724	0.323055639	5.103000317
26240	7.344378637	8.307058275	6.132476087	1.354601006	0.364496207	4.962927775
26257	4.676549514	7.691320269	2.228314827	3.45163088	0.550362567	11.76856067
26275	7.776224903	9.107457641	6.731413743	1.352978436	0.403904217	5.19409125
26278	5.977814597	7.200949819	4.224636088	1.704513636	0.563144872	9.420581094
26284	7.271660913	8.040126555	6.106301789	1.316693284	0.291790079	4.01270195
26286	8.291657684	9.216838201	7.668088063	1.201973442	0.253667303	3.059307474
26469	5.950509816	6.788055278	4.938797433	1.374434844	0.28440103	4.779439721
26471	10.02603656	11.49349325	8.237682756	1.39523378	0.581780414	5.80269591
26509	7.823769223	8.840689608	6.554255136	1.34884734	0.36632197	4.682167371
26574	7.622364988	8.263137371	6.749045679	1.224341598	0.257888809	3.383317501
26576	4.895622734	5.808602415	2.64611642	2.195142425	0.35351977	7.221139976
26578	7.210985463	8.148351538	6.6103569	1.232664387	0.32322132	4.482346019
26585	4.942606647	7.247387775	1.671625195	4.335533945	0.93225555	18.8616173
26586	5.25082101	7.334924094	3.426453543	2.140675191	0.815417449	15.52933241
26608	6.368378932	7.530053435	5.045875048	1.492318649	0.277548911	4.358234864
26716	3.910190772	5.402333723	2.944229637	1.834888711	0.329520742	8.427229283
26747	5.682102595	6.301703442	4.39041835	1.435330973	0.274348398	4.828290118
26762	3.654301069	5.829881732	0.875987516	6.655210979	0.487099203	13.32947653
26872	4.583368354	6.596392489	2.270570745	2.90516933	0.713196861	15.56053988
26952	4.200384904	9.818476367	1.684514248	5.828669231	0.903515348	21.51029891
26953	7.89686215	8.773985578	6.476530418	1.354735485	0.346593427	4.38900187
26959	6.440791023	7.191456166	4.954596994	1.451471467	0.281086419	4.364159896
26986	8.405849327	9.573877512	7.279398326	1.315201763	0.283261928	3.369819245
26993	6.009994199	6.673120646	5.091544499	1.310627973	0.224997733	3.743726291

26998	3.926943091	5.086487828	2.598745426	1.957285919	0.28336725	7.215975476
26999	6.757696799	8.821865846	5.383502483	1.6386852	0.685470507	10.14355227
27012	3.874643694	5.88823706	2.147878807	2.7414196	0.54418721	14.04483232
27013	7.630795138	8.765568499	7.077864286	1.23844823	0.2768961	3.628666412
27020	9.929390992	10.49778672	9.339841675	1.123979088	0.219657102	2.212191079
27030	6.559824814	7.326708207	5.257548384	1.393559825	0.339437875	5.174496034
27032	7.084360926	7.718789198	6.490081366	1.189320867	0.234216695	3.306109017
27036	4.677142883	5.722197213	2.699110402	2.12003081	0.431619292	9.228268266
27040	5.657208847	8.121279932	3.587388178	2.263841973	0.745794329	13.18307931
27042	6.054500437	6.68961538	5.437475868	1.230279553	0.221865253	3.664468364
27043	6.722916137	7.585949145	6.112996328	1.240954311	0.25239289	3.754217444
27044	8.495966268	9.175082211	7.720089914	1.18846831	0.245888256	2.89417646
27063	3.764749967	5.067240598	0.804973688	6.294914572	0.617762055	16.40911242
27065	4.675718237	5.844078137	3.369082596	1.734620025	0.311031162	6.652050996
27067	5.800990861	6.384132606	5.37873227	1.186921432	0.187680635	3.235320298
27072	6.401772402	6.976863336	5.322867079	1.31073409	0.25214781	3.938718756
27076	5.076258054	6.141588099	3.756817917	1.634784606	0.311507685	6.136561247
27077	6.843651867	8.402404052	5.941467997	1.414196636	0.434983651	6.35601663
27079	5.965515622	6.592658455	5.273690252	1.250103465	0.220896641	3.702892683
27089	9.656950895	10.77810862	8.903039198	1.210610038	0.308800073	3.197697454
27095	8.648729896	9.524449331	7.966647826	1.1955404	0.283874125	3.282263737
27098	5.614682949	7.486973387	3.84604152	1.946669933	0.69582988	12.39303957
27099	5.347468499	6.504551165	3.55901403	1.827627289	0.463587617	8.669291226
27101	7.230957829	8.023993092	6.703639801	1.196960656	0.219942375	3.041676918
27102	7.307008104	7.878478239	6.559133553	1.201146184	0.237374426	3.248585784
27107	6.000897755	7.097834047	4.465084977	1.589630227	0.347373851	5.788698043
27109	6.460772608	7.276454414	5.811698513	1.252035769	0.277289242	4.291889826
27112	7.14865287	8.962779361	5.487467673	1.633317934	0.643509488	9.001828728
27121	4.264010429	6.595548505	2.497822293	2.640519513	0.511100536	11.986381
27122	5.478024424	6.391127459	4.359126826	1.466148546	0.344800074	6.294241261
27130	4.806506086	5.597285129	3.450324783	1.622248768	0.235141872	4.892157994
27134	5.803673478	7.584316463	4.819631565	1.573629926	0.510149621	8.790115823
27163	6.109965869	7.321341241	4.759268116	1.538333429	0.368061233	6.023949087
27165	4.327799804	5.763254603	3.133371771	1.839314012	0.332669045	7.686793753
27230	8.702369262	9.360547209	8.169842212	1.145743941	0.237469202	2.728787932
27235	5.910007728	6.756986325	5.197326695	1.300088819	0.258481919	4.373630814
27236	6.757478852	7.577079021	5.745756024	1.318726202	0.32521511	4.812669293
27237	6.126217654	7.435930526	4.971415402	1.495737114	0.337045276	5.501686272
27238	7.05370233	7.960556249	6.277715378	1.268065812	0.268228586	3.802663808
27239	4.463764109	6.180593976	1.53986925	4.013713485	0.461920053	10.34821827
27242	5.855903716	7.843658267	4.226826669	1.855684863	0.618336674	10.55920151
27243	9.171199533	9.97166922	8.369453128	1.191436175	0.290964657	3.17259107
27246	7.231743526	7.887189743	6.368330886	1.238501875	0.204253691	2.824404522
27252	5.831670995	6.365193885	4.734357171	1.344468458	0.252265995	4.325792639
27253	6.378171996	8.132861015	5.153211337	1.578212203	0.571370574	8.958218349
27254	4.86094771	7.358716028	2.941294109	2.501863382	0.507877208	10.44811091
27255	5.499863774	7.395219651	3.99326992	1.851920807	0.756727307	13.7590191

27257	8.212607564	8.906873494	7.451196252	1.195361549	0.253490313	3.086599609
27258	7.681903126	8.371423767	6.873052432	1.218006679	0.291933653	3.800277726
27285	5.17744006	7.032841686	4.105284121	1.713119355	0.430515233	8.315214246
27286	4.325885871	5.205248358	0.806043111	6.4577791	0.643732876	14.88094914
27287	4.652263323	7.487434472	2.46315737	3.039771053	0.515089074	11.07179534
27288	4.048969048	5.540439376	1.928522184	2.872893774	0.43234091	10.67780229
27289	5.568797719	7.859176107	2.966999393	2.648863403	0.659631027	11.84512457
27290	4.256334464	6.608789931	2.286915495	2.889826907	0.483757126	11.36558065
27295	6.603037776	8.542530899	4.358448266	1.959993644	0.628561135	9.519272137
27296	4.284688991	6.500694347	2.836241349	2.292010287	0.39254334	9.16153637
27297	6.512307107	7.124685237	5.687479298	1.25269647	0.231754153	3.558710437
27299	4.854717128	10.16872823	1.048666868	9.696814626	1.934039701	39.8383603
27301	5.862479952	6.462978982	4.903138016	1.318131156	0.240785904	4.107236287
27304	5.246782984	5.956893643	4.610417169	1.292050898	0.312901653	5.96368582
27306	4.661127786	7.898598811	2.942888568	2.683961227	0.595678088	12.77969872
27309	7.269450237	8.057963698	6.186398148	1.302529114	0.363358625	4.998433357
27315	7.161845817	7.714993812	6.353965773	1.214201349	0.220063814	3.072724813
27324	3.386035718	5.070102084	2.760784826	1.836471295	0.294596464	8.700335387
27333	6.064788487	7.065734514	5.085605606	1.38935951	0.324857958	5.356459811
27334	4.505815803	8.45894677	1.693537774	4.994837964	1.174947888	26.0762521
27336	7.233720623	8.173706993	4.493939859	1.818828745	0.448347527	6.198021057
27338	6.478288567	8.18428878	3.740105822	2.188250592	0.716374947	11.05808949
27339	7.758228336	8.547046943	6.253505588	1.366760903	0.360413435	4.645563644
27340	6.027043662	6.791287577	4.774055691	1.422540502	0.325325299	5.397759116
27347	6.367181428	7.540633226	4.678876124	1.611633441	0.416082806	6.53480367
27348	7.129670305	7.513029732	6.6252948	1.133991763	0.19083941	2.676693339
27349	6.563337611	7.380294937	5.554901086	1.328609605	0.251058417	3.825163836
27350	6.915853301	8.039114822	5.257630596	1.529037591	0.411315318	5.947426872
27351	6.363590799	7.171935164	5.699501174	1.258344361	0.254400283	3.997747356
27352	6.503969034	7.445501207	5.584659846	1.333205855	0.264954193	4.073730852
27445	6.184916356	7.722204027	4.937871052	1.563873164	0.492425729	7.9617201
28513	3.913826469	7.435199199	1.724471089	4.311582402	0.627446301	16.03153093
28951	6.727246167	7.970925241	5.602372525	1.422776726	0.469566074	6.980063791
28952	6.447420687	8.123787148	5.506405116	1.475334084	0.392480439	6.087402352
28954	5.538273947	7.057319153	4.320561535	1.633426372	0.411321872	7.426896458
28955	7.682124948	8.600153833	6.793693982	1.265902447	0.306554519	3.99049119
28973	8.255044442	8.85000317	7.498703658	1.180204416	0.209784755	2.541291643
28996	6.332859063	7.286547077	5.450328853	1.336900447	0.215049689	3.3957757
29072	7.422453933	8.257798841	6.826228578	1.209716133	0.252823174	3.406193916
29105	8.300486902	9.546008597	7.378540574	1.293752945	0.342443371	4.125581723
29114	4.762594106	5.986341761	4.067139427	1.471880143	0.317043269	6.656944972
29760	7.179739495	9.266215264	5.994189281	1.54586631	0.744906286	10.3751158
29780	4.903696669	5.544147649	3.902206427	1.420772517	0.304390335	6.207364686
29781	5.422682374	6.214435033	3.161243525	1.965819775	0.297321469	5.482922436
29799	5.426911466	6.583299396	4.306042236	1.528851562	0.353446642	6.512850707
29851	4.414941069	7.588285341	0.836471339	9.071781645	1.111231494	25.16979222
29855	6.681872579	7.49178064	5.188631468	1.443883746	0.302938869	4.53374209

29889	7.318996845	8.26885112	6.044833437	1.367920424	0.351919347	4.808300302
29890	6.932990374	7.556066268	6.420201004	1.176920514	0.205141026	2.958911157
29893	5.789168848	6.342480203	4.939678761	1.28398637	0.205078456	3.542450757
29895	4.746545862	6.709452312	3.253296848	2.062354782	0.480586187	10.12496668
29896	6.700573835	7.782941787	5.753031748	1.352841793	0.402436308	6.005997665
29899	4.724089574	5.691156929	3.084005516	1.845378324	0.437544858	9.261993259
29901	6.117123852	7.175556838	1.451208175	4.944539979	0.704544602	11.51757948
29902	5.844749878	7.060106923	4.204330505	1.679246414	0.4175946	7.144781367
29906	4.420809379	5.882398376	2.707942366	2.172276061	0.370341506	8.377233091
29937	6.776104876	9.26419457	5.805553129	1.5957471	0.349421445	5.15667115
29966	6.558791214	7.375484301	4.307406189	1.712279728	0.333488324	5.084600393
29969	6.522103964	7.398981533	5.768163606	1.282727405	0.297068777	4.554799775
29978	7.750850419	8.238435739	7.165272816	1.149772793	0.246395162	3.178943584
29984	7.061903055	8.524810683	6.347035897	1.343116822	0.412701834	5.844059748
30000	6.518267453	7.406298106	6.036814478	1.226855345	0.229856771	3.526347646
30008	8.279152682	9.10127253	6.904233923	1.318216131	0.334520422	4.040515188
30836	8.13473047	9.269377724	6.541750676	1.416956742	0.34096385	4.191458479
30837	5.765802905	6.377132769	4.639507036	1.374528095	0.270054224	4.683722774
30849	5.768187683	7.174808919	4.338978163	1.653571106	0.304207226	5.273878782
30850	5.570027758	6.633679175	2.502478712	2.650843399	0.488659888	8.773024292
50488	6.197506032	7.529455164	5.380463073	1.399406531	0.321150816	5.181936314
50618	7.062779704	8.392803777	6.115639882	1.37235088	0.285171569	4.037667611
50626	6.018982784	7.576688461	5.503190436	1.376781078	0.240653787	3.998246815
50628	6.568733044	7.293562133	5.800138811	1.257480617	0.262994697	4.003735505
50717	6.188438391	6.774448813	5.6744206	1.193857363	0.227174844	3.67095589
50804	4.466068932	5.665118544	3.612988874	1.567986712	0.390194802	8.736873698
50810	6.956928473	7.52586406	5.890170464	1.277698855	0.262312842	3.770526654
50813	7.851273636	8.318605579	7.145100331	1.164239156	0.22450376	2.859456574
50814	6.90260605	7.58188978	5.771624585	1.313649159	0.297692818	4.312759786
50855	5.367481767	6.5721915	4.417337919	1.487817237	0.325365387	6.061788398
50999	6.497069659	7.423660446	5.800758761	1.279774035	0.208215165	3.204755004
51029	6.420118399	6.945511431	5.614139688	1.237146173	0.244925109	3.814962487
51031	8.210655124	8.779657983	7.553287712	1.162362446	0.249871321	3.043256802
51042	7.487109359	8.392724569	6.636024044	1.264721844	0.330678821	4.416642064
51043	5.426784794	7.064053816	4.474367704	1.578782586	0.328581806	6.054815477
51067	6.496839178	7.049673898	5.86123115	1.20276333	0.223546265	3.440846517
51083	4.145898446	5.128592076	2.642641811	1.940706475	0.329754997	7.953764458
51090	7.127246943	8.360581058	5.619075612	1.487892606	0.548809444	7.70016036
51097	7.373177238	8.075298055	6.363932006	1.268916457	0.326057782	4.422215442
51099	5.884976224	6.992370814	4.882607872	1.432097559	0.347130556	5.898588936
51100	8.153897821	8.750859839	7.334198103	1.193158368	0.222836361	2.732881453
51103	7.025010354	7.983426384	6.455657688	1.236655779	0.315363385	4.489151892
51112	6.815736416	7.732569556	5.853105548	1.321105436	0.277818513	4.07613347
51172	6.26269983	7.197336783	5.523345863	1.30307552	0.317750285	5.073694955
51176	5.552404498	7.033106846	3.736476768	1.882283039	0.57722307	10.39591172
51230	5.926344146	6.469061951	5.334636951	1.212652709	0.210860932	3.558027117
51308	5.430169073	7.132173201	4.589721122	1.553944785	0.32427612	5.971749975

51343	5.509023836	6.207011553	4.777611889	1.299187062	0.23195917	4.210531252
51347	6.726652016	8.224850619	5.844502667	1.407279813	0.313702765	4.663579507
51362	6.882988312	7.686868802	6.203289025	1.239160189	0.278357128	4.044131926
51363	6.82766346	8.338660426	5.369609665	1.55293605	0.330878131	4.846140014
51364	4.861631131	6.736986885	3.926062819	1.715965127	0.373685992	7.68643244
51366	7.578625735	8.116009106	7.053269549	1.150673322	0.20086437	2.650406253
51375	7.264650323	8.384158149	5.993043393	1.398981719	0.368345601	5.070383077
51421	7.864569474	9.262790195	6.368948368	1.454367293	0.517879832	6.584973708
51430	7.768053616	8.400100267	6.983549495	1.202841087	0.269001059	3.462914557
51433	7.655625836	8.134748815	6.789058724	1.198214531	0.207075593	2.704881313
51439	8.355120893	9.021720715	7.439969662	1.212601815	0.285789914	3.420535952
51442	3.97110469	7.720784183	2.698292985	2.861358728	0.522415453	13.15541881
51454	5.880072716	7.862749361	4.30981954	1.824380183	0.486779521	8.2784609
51460	5.48135391	6.216360574	4.622902412	1.344687822	0.257211883	4.692488155
51465	7.576254176	8.985465507	6.599678287	1.361500533	0.373482255	4.929642617
51490	6.237466024	6.858964017	5.574257457	1.230471335	0.200372081	3.212395546
51493	8.470627648	8.983472721	7.549725324	1.189907226	0.214630214	2.533817131
51512	4.79131138	6.151030228	3.033990908	2.027372663	0.48688727	10.16187911
51517	5.646986899	6.990697669	4.723088392	1.480111548	0.268813827	4.760305478
51561	4.57073456	5.839394171	3.296708176	1.771280277	0.359326252	7.861455239
51567	8.227088083	8.914581131	7.570543577	1.177535145	0.266713107	3.241889532
51573	7.725681275	8.449701593	7.196376385	1.174160597	0.236452983	3.060610124
51582	7.578039413	8.403381516	6.362232531	1.320822758	0.352991593	4.658085998
51585	7.238899141	7.92858216	6.504055161	1.219021359	0.249404149	3.44533256
51588	5.843277695	6.979789259	5.071747223	1.376210002	0.227735335	3.897390249
51592	7.204723548	7.731976556	6.655266375	1.161783184	0.217362017	3.016937649
51593	6.356638383	7.090373658	5.529917451	1.282184358	0.216248809	3.401936621
51594	5.976548013	7.383948166	4.959230579	1.488930198	0.295961402	4.952045927
51603	6.68506576	7.160318031	5.230444207	1.368969393	0.237414194	3.551411503
51606	6.279299669	7.06368752	5.261493495	1.342525184	0.280234985	4.462838209
51614	6.694475815	8.662602211	5.45575235	1.587792417	0.324111805	4.841481448
51626	6.233799088	7.27930962	4.949817132	1.470621929	0.36862058	5.9132573
51635	7.406435204	8.273097985	6.710355125	1.232885269	0.300613971	4.058821318
51665	5.678623498	6.644535599	5.03986556	1.318395406	0.240023336	4.226787284
51668	8.070118464	8.886455742	7.021764497	1.265558785	0.409136363	5.06976898
51678	5.296855974	6.439036068	3.118241323	2.064957584	0.450327063	8.501780394
51690	8.33754692	9.602136	7.251403165	1.324176271	0.334618858	4.013396996
51742	6.524094492	7.102321175	5.12133403	1.386810767	0.227419264	3.485836447
51747	7.557275868	8.23330304	6.793438976	1.211949216	0.274169714	3.627890777
51752	5.633273088	6.620327853	4.559788407	1.451893654	0.353541434	6.275950556
51755	6.030303612	6.969621517	5.155082108	1.351990399	0.205965241	3.415503666
51760	6.54777019	7.653733899	5.068366438	1.510098765	0.495043826	7.560494823
51763	6.752552005	7.393637819	5.902886638	1.252546131	0.215351688	3.189189619
51778	3.517874455	6.140511584	1.948079638	3.152084475	0.465504437	13.23254832
53358	4.77339678	5.837735867	3.613692727	1.61544888	0.307446072	6.440823717
53615	6.608111352	7.640633945	5.60997075	1.361973936	0.269640426	4.080446157
53635	6.74314321	7.424574246	4.480724136	1.657003203	0.363485155	5.390440981

53942	4.434525085	8.328731636	3.365062792	2.475059799	0.595241394	13.42288932
54014	5.873206966	6.462114323	4.681242105	1.380427283	0.24970546	4.251603278
54093	5.665654519	6.476551355	4.682021816	1.383280901	0.242136769	4.273765161
54107	7.541634578	8.5900793	6.892256046	1.246337809	0.265280889	3.517551616
54205	7.730545946	8.907868134	6.350315005	1.402744293	0.436834668	5.650760899
54363	3.64008849	5.125291401	0.928938018	5.517366391	0.5098462	14.00642324
54386	9.065629672	9.520890367	8.703881384	1.093867201	0.200359297	2.210097964
54434	5.580165207	6.800884076	4.078035733	1.66768624	0.32021206	5.738397483
54453	7.040936532	7.938842475	5.735178971	1.384236223	0.323867306	4.599775966
54462	6.486200521	8.226952642	6.016743593	1.367343068	0.332849349	5.131653701
54474	3.483795176	5.245215367	0.77065653	6.806164829	0.482738964	13.85669763
54475	5.181979869	6.216690519	3.621942788	1.716396664	0.327539317	6.320736958
54498	5.084485019	6.583155776	4.079633847	1.613663388	0.31639954	6.222843396
54499	8.353521178	8.947631001	7.573435524	1.181449419	0.247064015	2.95760326
54504	9.389108962	10.38777218	8.50688462	1.221101807	0.419618161	4.4692011
54520	6.222966924	7.027650579	5.716200068	1.229426979	0.19258983	3.094823292
54535	5.939717559	6.659848329	5.308595651	1.254540516	0.25424176	4.280367845
54556	6.177780364	6.985004334	5.103614205	1.368638783	0.251818403	4.076195459
54623	7.556974966	8.305804959	6.582886411	1.261726914	0.243508346	3.222299227
54626	4.32212794	5.602060482	2.583868844	2.168090109	0.427118983	9.882145756
54665	7.135149571	7.653216181	6.412492137	1.193485468	0.256111818	3.589438668
54674	7.68876099	9.702351161	5.792600478	1.67495604	0.776720315	10.10202184
54677	6.605215057	7.747559683	5.42970202	1.426884874	0.481787089	7.294040919
54726	5.950477959	6.626673988	4.779367321	1.386516989	0.261758838	4.398954828
54732	8.868868748	9.481777022	7.899207554	1.200345346	0.288461614	3.252518698
54739	6.222034696	7.782326484	3.300270943	2.358087144	0.615988772	9.900117917
54741	6.882679538	7.600505146	5.783910498	1.31407724	0.312102782	4.534611556
54765	6.992956706	7.59401216	5.938150585	1.278851395	0.216029882	3.089249524
54788	6.410345477	6.823532366	5.740967222	1.188568424	0.172688883	2.693909138
54805	5.210466542	5.752315888	4.443399796	1.29457536	0.227538236	4.366945526
54838	8.901717549	9.660143834	8.084522247	1.194893593	0.303828346	3.41314296
54861	6.39562436	7.620082793	5.798648718	1.31411354	0.348658305	5.451513185
54870	6.811273793	7.865256064	5.834837871	1.347981939	0.257217598	3.776350884
54874	8.51283224	10.14960272	7.115300082	1.4264476	0.499280895	5.865038581
54939	6.752031855	7.731164639	5.207907028	1.484505118	0.263471056	3.902100317
54987	7.980245782	8.541892171	7.424445742	1.150509071	0.216077842	2.707658989
55023	6.594861215	7.525179207	5.889618805	1.277702251	0.202232753	3.066520232
55062	7.119842736	8.075097271	6.317447881	1.278221431	0.346114331	4.861263713
55109	6.507005524	6.9448648	4.433352931	1.566503932	0.279485149	4.295142332
55183	5.713412571	6.446497515	4.763055345	1.353437457	0.270723922	4.738392661
55186	7.425877236	8.307631476	5.873368931	1.414457626	0.355430916	4.786382873
55215	4.430282935	6.724734564	1.875933502	3.584740373	0.639684529	14.43890918
55218	6.355649823	6.983846972	5.498429052	1.270153148	0.213297278	3.356026271
55233	7.602415339	9.128341644	6.390517278	1.428419836	0.38297781	5.037580729
55308	6.623573067	7.082677618	6.00657569	1.179153978	0.177760938	2.683762013
55312	7.625342535	8.499087283	7.072792057	1.201659432	0.282048349	3.698828582
55322	5.30090794	5.801527774	4.027938585	1.440321805	0.261896081	4.940589126

55324	6.851007572	7.891962351	6.034441463	1.307819854	0.222076544	3.241516546
55503	4.81045516	7.67622159	3.516887365	2.182674847	0.481502607	10.00950203
55544	6.092815078	7.913131131	5.204558854	1.520423028	0.518260646	8.506095117
55556	7.513700627	8.552531006	6.38076535	1.34036131	0.382251286	5.087390425
55558	4.938732596	6.357550835	4.02266274	1.580433471	0.305404237	6.183858541
55578	6.151965657	6.797262668	5.727004057	1.186879318	0.186575988	3.03278656
55589	5.637612586	6.550242307	4.482055853	1.46143701	0.372953914	6.615458378
55621	5.751218093	6.935214285	4.439301729	1.562230889	0.305428348	5.310672338
55643	6.450935845	8.752694147	5.078892499	1.723346999	0.476469027	7.386045034
55644	6.08868015	7.231347881	5.4867515	1.317965262	0.225305266	3.700395828
55651	9.021111691	10.00405405	8.10921687	1.233664633	0.256571069	2.844118086
55658	6.231234565	7.109543322	5.007734312	1.419712564	0.295251252	4.738246466
55669	6.458680292	7.027284093	5.694315512	1.234087588	0.247774687	3.83630519
55697	5.369252348	6.463102645	4.174738926	1.548145347	0.26494614	4.93450714
55699	8.42352991	8.87177166	7.762090794	1.142961593	0.177568826	2.108009685
55702	6.877017035	7.642433644	6.131089435	1.246505001	0.264110739	3.840483998
55705	6.120804561	6.686250314	5.076793748	1.317022248	0.256169351	4.185223498
55715	5.169483682	6.072490261	4.328127137	1.403029548	0.2809057	5.433921784
55719	5.519112534	6.065303316	3.897983663	1.556010451	0.252912669	4.582487995
55742	6.341497729	7.090340933	5.365518206	1.321464332	0.251127128	3.960060203
55744	5.71366834	6.470687812	5.101051677	1.268500737	0.222975331	3.902489923
55746	6.621752755	7.333796542	5.443678179	1.347213465	0.254653979	3.845718617
55752	6.132694507	7.010383384	5.372948262	1.304755423	0.326907047	5.330561411
55794	5.258200387	5.931242313	4.696569064	1.262888341	0.19780005	3.76174424
55806	5.118052456	6.243651767	4.333663363	1.440732988	0.266789571	5.212716629
55810	6.420779836	7.427280323	4.874129064	1.523816917	0.265207893	4.130462338
55816	6.107296325	7.429198721	3.924252729	1.893149915	0.576933035	9.446619334
55818	6.274210289	7.743723225	5.230361631	1.480533044	0.32109365	5.117674344
55823	7.386243387	8.093350677	6.607013253	1.224963591	0.220976302	2.991727873
55830	8.660835986	9.328614696	7.686286379	1.213669936	0.312214038	3.604894936
55832	6.779686055	7.439856815	6.230762306	1.194052421	0.188221096	2.776250915
55837	8.445412383	9.22798267	7.693660381	1.199426828	0.290203626	3.436228013
55854	7.034248342	7.793616162	5.693097619	1.368958814	0.300601785	4.273403076
55856	7.722756825	8.755284846	6.796844977	1.288139552	0.381526621	4.940290487
55885	6.665586826	9.764535291	5.45690445	1.789390923	0.95575558	14.33865622
55888	5.210867682	6.900148023	4.235526394	1.629112271	0.385568443	7.39931364
55905	8.377346222	9.539999981	8.010387861	1.190953565	0.195604989	2.334927833
55916	6.360474984	7.289555772	4.670155698	1.560880674	0.380144096	5.976662068
55922	6.535805311	7.182660524	5.751384206	1.248857713	0.237921552	3.640279059
55937	5.836407194	7.137025076	4.393556506	1.624430018	0.357515169	6.125603596
55957	5.955524656	6.745272856	5.413711689	1.245960857	0.206516047	3.467638183
55958	6.671061289	7.507737763	5.839614926	1.285656308	0.228070344	3.418801508
55968	7.001952931	7.50210985	6.606561297	1.135554415	0.143592189	2.050744854
55970	7.60978477	8.638404347	5.917229519	1.459873125	0.489212595	6.428731038
55973	7.129986034	8.145896688	5.751987813	1.416188099	0.300842641	4.219400144
56005	8.165361197	9.328151478	6.768523455	1.378166381	0.371487648	4.5495556
56061	6.890889168	7.55999494	5.990726298	1.261949648	0.28527577	4.139897812

56062	4.662327493	7.810125174	2.308656064	3.382974752	0.820271925	17.59361448
56171	5.08171964	6.357161547	4.131760432	1.538608458	0.350413688	6.895573005
56242	6.565916089	7.572306	4.839562029	1.564667619	0.450943824	6.867949855
56252	6.473702942	7.060728266	5.403474363	1.306701539	0.238743567	3.687898093
56267	8.071764802	9.0663603	7.185042869	1.261838025	0.323113559	4.003010086
56270	8.317349125	8.859450945	7.797392938	1.136206809	0.216736558	2.605836965
56271	9.370770519	10.5358331	7.722279135	1.364342433	0.472133703	5.038365861
56311	4.041205287	7.563002249	0.540287381	13.99811012	0.577809677	14.29795409
56623	6.89879734	7.619839242	6.194393853	1.230118624	0.270151146	3.915916544
56650	6.771688026	7.544634583	6.066286509	1.243699019	0.261937675	3.868129693
56829	7.401922845	7.995473378	6.789393042	1.177641849	0.249258974	3.367489491
56848	5.941172766	6.643631782	4.715031248	1.409032397	0.32091783	5.401590602
56890	6.249408544	7.019978559	4.762649082	1.473965106	0.359360259	5.75030831
56902	6.967480439	8.062818536	6.015743366	1.34028632	0.304944571	4.376683564
56910	9.544869961	9.970393243	9.172613323	1.086974114	0.156399972	1.638576249
56926	5.06129456	6.004320674	3.754770042	1.599118084	0.272857221	5.391055935
56941	6.650434444	7.855425969	6.027263165	1.303315577	0.319894893	4.810135274
56948	8.003891024	8.759378692	7.313773574	1.197655164	0.236476158	2.954514965
56950	6.336569095	7.526875427	5.511761854	1.365602438	0.251936554	3.975914254
56951	7.411038387	7.997627873	6.121009676	1.30658638	0.272705564	3.679721381
56998	6.775081277	7.394615405	6.108135209	1.210617505	0.254146788	3.751199109
57007	6.282751664	7.119565381	4.538546657	1.568688375	0.344446923	5.482421414
57017	6.999672145	7.73156292	5.689742492	1.358859901	0.323369585	4.619781877
57030	5.275987185	7.248084036	3.433058991	2.111261139	0.442333947	8.383908666
57035	7.516586875	9.080668574	6.081706926	1.493111832	0.500639392	6.660461726
57037	8.384649844	9.089041924	7.484551899	1.214373559	0.298205676	3.556566835
57038	5.562231796	6.588204227	4.164571599	1.581964452	0.300005741	5.393621699
57050	7.590872476	8.309586613	6.761544552	1.228947994	0.264584833	3.485565506
57104	6.719121414	7.823864347	5.123866076	1.52694552	0.348855243	5.191977061
57125	5.029992044	5.980250902	3.882742294	1.540213192	0.346925487	6.897137887
57134	7.663219327	9.174468049	6.695947578	1.370152311	0.448958185	5.858610674
57142	9.023691574	9.996217892	8.227241176	1.215014569	0.285594772	3.164943855
57146	6.508496399	7.279829939	5.584545257	1.303567185	0.335454993	5.154108913
57148	6.710232111	7.239833715	4.73636807	1.528562309	0.262572974	3.913023714
57149	8.472735935	9.414752483	7.945504097	1.184915692	0.311257496	3.673636219
57151	4.453082431	5.295339866	3.399073612	1.557877372	0.257317464	5.778412319
57152	4.552203889	6.551524528	2.365026414	2.770169707	0.424824664	9.332285516
57154	4.781587691	6.010631073	2.9211681	2.057612184	0.301801846	6.31174968
57165	5.193516909	6.644884688	4.06032211	1.636541267	0.317216184	6.107926285
57171	6.50983803	7.021373371	6.044440918	1.161624949	0.188522197	2.895958337
57185	6.648538687	7.782588599	5.835548339	1.333651638	0.358063428	5.385595919
57187	7.072690569	7.834764472	6.164254089	1.270999598	0.295108007	4.1724999
57194	4.930925802	6.160891827	1.96447308	3.136154876	0.420720101	8.53227402
57209	5.992905985	6.875914721	5.281080599	1.301990112	0.283264002	4.726655196
57212	6.030195944	6.901570291	5.138006515	1.343238914	0.281861222	4.674163572
57213	5.393690654	6.330973083	4.691035634	1.349589638	0.299382436	5.550604492
57215	7.713680347	8.327180163	7.144536958	1.16553112	0.244626945	3.171338889

57228	5.694488315	6.401943916	4.55804737	1.404536504	0.343717034	6.035959949
57326	7.85858103	9.248508494	7.146753217	1.29408533	0.39345859	5.006738344
57403	7.076025176	8.531553091	5.679476308	1.502172494	0.331504442	4.684896301
57418	6.932071325	7.758057508	5.855875828	1.324832994	0.32409776	4.675337937
57468	3.803575574	5.383266127	0.486216842	11.07173932	0.609979059	16.03699065
57476	6.342667017	7.307425397	4.960797128	1.473034516	0.407949944	6.431836057
57498	6.405649639	6.996084437	5.661929736	1.23563604	0.204276543	3.189005865
57509	6.617696337	8.04681834	5.463644257	1.472793242	0.403577025	6.098451854
57556	5.55721809	7.119632115	4.563311439	1.560189834	0.39139551	7.043011517
57591	5.46405749	5.981448801	4.630012505	1.291886101	0.192531559	3.523600536
57613	5.44192292	6.966503577	4.408083212	1.580392938	0.370042097	6.799840844
57634	6.091013877	7.057032707	4.940204312	1.428490051	0.318428155	5.227835002
57680	7.453050135	8.605264235	6.382401922	1.348279902	0.312155424	4.188290951
57720	6.137969132	7.144300642	5.057883018	1.412508082	0.309014102	5.03446817
57794	6.295496462	7.208636257	5.126162781	1.406244118	0.257414307	4.088864289
57804	7.293727796	8.605074665	5.014024495	1.716201162	0.437301395	5.995581508
57819	7.527977049	8.494018981	6.791433206	1.250696094	0.292947345	3.891448435
57826	6.758415543	7.958360364	5.75628389	1.38255175	0.35905438	5.31270056
57834	4.199913681	6.303327048	1.755658906	3.590291387	0.612819988	14.59125198
57863	4.732169679	6.151659881	4.205297884	1.462835702	0.248799255	5.257614827
58473	5.835342788	7.661326961	5.087423715	1.505934514	0.488438813	8.3703534
58487	5.91907414	6.745073003	5.114792775	1.318738275	0.233988521	3.953127047
58497	7.243429828	8.008408832	5.863776694	1.365742464	0.412143159	5.689889583
58498	4.067719523	4.71762869	3.378425672	1.396398544	0.236557938	5.815492848
58500	5.786280346	6.656653559	4.282047379	1.554549254	0.449614318	7.770351431
58509	5.508205083	6.605763521	4.510806663	1.464430647	0.254766039	4.625209763
58517	7.204341103	8.51390427	6.195459338	1.374216794	0.393942472	5.468126318
58525	5.55106721	6.568254067	4.620771389	1.421462677	0.263135468	4.740268093
58528	8.527703724	10.22008659	7.532696925	1.35676328	0.481692604	5.648561671
60312	5.566550554	6.61501105	3.714920997	1.780659953	0.349450817	6.277690539
60343	7.106302745	7.792148881	6.538286509	1.19177232	0.272823285	3.839173398
60436	6.347104532	7.07309955	5.727917171	1.234846688	0.24105734	3.797910351
60481	7.247501774	8.013159469	6.476964378	1.237178252	0.25158327	3.471310217
60489	5.99922021	7.354208234	4.716647725	1.559202354	0.46657887	7.777325284
60496	6.800045311	7.324117675	5.840952656	1.253925191	0.258936595	3.807865724
60528	6.239174644	7.452071829	4.02198355	1.852834985	0.377496042	6.050416335
63036	4.12953097	6.508167208	1.438869245	4.523112319	0.447302861	10.83180787
63826	5.837683322	6.561106883	5.075823318	1.292619241	0.277773567	4.758284264
63940	5.920981599	7.889727077	3.437172139	2.295412263	0.713849026	12.05626153
63982	4.179190588	6.824036136	2.30746763	2.957370256	0.578030445	13.8311578
64112	8.620956509	9.376463167	7.758351141	1.208563907	0.284274372	3.297480644
64285	5.841399499	7.651707701	4.924671714	1.553749802	0.305624879	5.232048916
64386	5.050881116	6.171479528	3.848585229	1.603570965	0.312832807	6.193628391
64430	5.138393058	6.270310709	4.061193813	1.543957516	0.23886532	4.648638543
64499	4.703719836	7.110480094	3.850147522	1.846807182	0.462054198	9.823165803
64582	4.54248273	5.303516337	3.375138438	1.571347793	0.23542033	5.182635662
64689	5.97508338	7.494809037	5.27184751	1.421666507	0.271965245	4.551656058

64714	4.068019708	5.6605812	3.430976178	1.649845673	0.292758512	7.196585379
64743	6.938000188	7.57153226	6.050146295	1.251462674	0.26109704	3.763289611
64746	7.999648015	9.068333893	6.658084836	1.362003356	0.435284737	5.441298616
64750	6.667462606	7.291808539	6.144951268	1.186634071	0.281043747	4.215152961
64777	6.681121316	7.317807184	5.985984458	1.222490174	0.229446199	3.434246864
64795	6.33532945	7.049794888	5.082107263	1.387179476	0.284538166	4.491292332
64816	4.038484921	5.724180043	0.529559339	10.80932696	0.492724187	12.20071876
64844	6.543689115	7.512618345	6.22539254	1.206770223	0.205990758	3.147930077
64848	6.164646395	6.959001911	4.860721406	1.431680882	0.322672798	5.234246667
64849	4.390370476	5.584213599	3.570385725	1.564036502	0.232779798	5.302053651
64854	5.657313299	6.280101549	4.811122973	1.305329667	0.284979011	5.037356002
64976	9.283049112	10.3063609	8.233664987	1.251734302	0.386112517	4.1593286
65012	4.482749095	7.361575289	2.692366738	2.734239428	0.49078908	10.94839506
65055	5.514901453	6.870772466	4.419584697	1.554619481	0.451050868	8.178765683
65057	6.870567597	7.782988799	5.631252778	1.382106097	0.372904044	5.427558037
65108	10.23969323	11.19458929	9.051876193	1.236714804	0.358511769	3.501196388
65110	7.749409132	8.743318741	6.862616737	1.274050275	0.372675221	4.809079184
65117	8.390792773	9.47688788	7.607328185	1.245757729	0.253078506	3.016145346
65125	5.997473257	6.809393167	4.331513005	1.572058807	0.312792673	5.215407545
65220	6.190480957	7.10964187	5.463736655	1.301241681	0.24130996	3.898080964
66008	8.277683419	9.255069376	7.235488302	1.2791216	0.349262172	4.219322658
78987	7.131756955	8.344346543	6.010993751	1.388180872	0.418050323	5.861813942
79017	8.040463003	9.041694196	7.056182031	1.281386188	0.366026986	4.552312298
79026	6.518196134	7.778158939	5.271909233	1.475396976	0.280411339	4.301977622
79033	6.482662011	7.521440373	5.429654387	1.385252143	0.292368776	4.510011103
79053	7.897432196	8.496777265	7.264392945	1.169647255	0.242001164	3.06430189
79065	6.706513971	7.388247352	5.804939786	1.272751764	0.289626432	4.318583886
79071	4.641826856	5.661778803	1.724439536	3.283257363	0.438545231	9.447686103
79073	7.787366877	8.864336635	7.011234311	1.26430472	0.254612562	3.269559093
79080	6.735186823	8.277487539	5.600768586	1.477919934	0.337127864	5.005471604
79084	6.51851702	7.059923447	5.56698959	1.268176154	0.268330036	4.11642763
79095	6.475488464	7.374195334	4.965138103	1.485194406	0.351660487	5.430640314
79143	6.547440976	6.939707187	5.862264849	1.183792846	0.220199969	3.363145537
79161	9.27152366	10.26018835	8.586401814	1.194934569	0.378843204	4.086094343
79171	7.237831402	8.021729459	6.632382668	1.209479287	0.271783447	3.755039763
79173	4.710381279	7.059519789	3.660880421	1.92836667	0.398123616	8.452046499
79586	7.134005775	8.389065635	5.711913034	1.468696317	0.36396053	5.101769493
79646	6.785878566	7.30448196	5.595825927	1.305344744	0.248407889	3.660659211
79703	4.763957412	6.870842253	3.722732141	1.845645078	0.576295714	12.09699551
79711	7.494068232	7.929407645	6.772804991	1.170771587	0.242147245	3.231185491
79758	5.639831229	6.794151996	4.960430222	1.369669906	0.26896973	4.76910956
79868	6.689480069	7.230077483	6.034760694	1.198071945	0.215354451	3.219300291
79882	6.781302827	7.616854985	5.88295746	1.29473229	0.26943161	3.973154083
79888	6.832080536	7.861461747	5.399489221	1.455963967	0.475227506	6.955824126
79912	6.875836234	7.734115386	5.658807381	1.366739467	0.34085752	4.95732458
79921	9.347845575	9.935783098	8.125343005	1.22281399	0.329736496	3.527406328
79987	5.064712914	7.316539554	3.671183311	1.99296492	0.562108569	11.09852776

80003	5.353504977	7.113299985	4.443884124	1.600694299	0.339392479	6.33963133
80184	5.497582714	6.467283939	4.198867243	1.540244919	0.370705904	6.743070972
80205	6.677784722	7.382313106	5.963160403	1.237986673	0.285102271	4.269413928
80271	5.956057365	8.737823259	4.684113026	1.865416827	0.494359841	8.300118863
80273	6.838668713	7.624991138	6.177553054	1.234306055	0.245552004	3.590640438
80308	6.616754671	7.244814729	5.901897331	1.227539946	0.237336822	3.586906775
80317	5.228091485	5.969800277	4.447699491	1.342222038	0.228420032	4.369090189
80335	9.170782215	9.666431751	8.353684512	1.157145896	0.188873114	2.059509317
80347	7.981092392	9.883060462	6.966769685	1.418600142	0.365117729	4.574783889
80349	7.110370797	7.711364511	6.59088098	1.170005123	0.230934865	3.247859663
80740	5.203775073	7.031644978	4.25635358	1.652034975	0.387743203	7.451190682
80742	5.135911877	6.233631049	4.291428128	1.452577292	0.245439596	4.77889033
80777	6.842395925	7.530132224	6.207110893	1.213146076	0.220199776	3.218167712
80781	7.162876422	8.572674362	5.892918922	1.45474161	0.42840172	5.980861526
81542	7.871028396	8.894060382	7.009415115	1.268873399	0.299523072	3.805386759
81550	6.519682015	7.370711239	5.489114025	1.342787052	0.301918061	4.630870961
81552	7.619097646	9.32331695	6.282017623	1.484127793	0.657047974	8.623698042
81553	7.746893662	8.782225751	6.916273362	1.26979159	0.396394878	5.116823532
81563	5.160146545	6.446313896	4.29649232	1.500366675	0.280511031	5.436105906
81565	6.434571916	7.637223143	5.434191302	1.405401967	0.271159672	4.214105857
81566	6.462536741	7.183574344	4.779017691	1.503148724	0.316252153	4.893622508
81576	7.187864997	7.907513365	6.545710203	1.208045135	0.250893051	3.490508668
81605	6.485512912	7.268324295	5.72262072	1.270104145	0.211673867	3.26379532
81609	6.936924589	7.530018321	6.015834607	1.251699691	0.2461901	3.548980486
81611	7.29506451	8.47247353	6.707991969	1.263041693	0.324691401	4.450836595
81614	7.350371465	7.843744181	6.527299042	1.201682983	0.22340248	3.039335913
81628	5.441161551	6.750990592	4.290021485	1.573649599	0.313187563	5.755895325
81631	8.248823945	9.16002619	7.671072222	1.19409985	0.23920965	2.899924302
81689	8.056538883	8.993984521	6.920637047	1.299589107	0.364237709	4.521019687
81691	4.312190327	5.209470783	2.916613078	1.786137086	0.277743954	6.440902022
81855	6.143675654	6.857097225	5.294790741	1.295064821	0.318726545	5.187880401
81875	6.484584865	7.049189725	5.716481359	1.233134385	0.20795305	3.206883002
81887	6.366043474	7.506331849	5.400661327	1.389891236	0.252146001	3.960796084
83604	7.949269713	9.286407135	6.132057969	1.514403025	0.529041635	6.655223114
83637	6.549207017	7.4968457	5.693114637	1.31682676	0.283894566	4.334792978
83737	6.052548644	6.809688249	5.547176823	1.22759531	0.230630509	3.81046932
83759	7.044528149	7.57120951	5.887745775	1.285926703	0.249137241	3.536606502
83988	4.916748113	6.452933151	2.830163972	2.280056285	0.430027801	8.746183273
83989	6.934558498	7.629520568	6.032733337	1.264687189	0.285233629	4.113219746
84148	7.038317395	7.803721888	6.29755014	1.239167885	0.231157552	3.284272919
84159	5.369052888	6.278394539	4.003869486	1.568081717	0.269890863	5.026787194
84164	7.221304246	7.80894465	6.609521925	1.181468908	0.259096131	3.58794093
84179	5.215158093	6.482542541	4.622684537	1.402332885	0.252448931	4.840676474
84193	7.143094125	7.660864353	6.324209311	1.211355282	0.225548464	3.15757374
84263	6.596707195	7.224157857	5.539439941	1.304131453	0.299057	4.533428444
84549	7.537586239	8.144244712	6.970069722	1.168459576	0.230908391	3.063426188
84669	5.977118321	6.618229311	4.738671797	1.396642265	0.218058516	3.648221509

84823	5.67099982	6.382979058	3.677821208	1.735532724	0.447498383	7.89099624
84851	6.598667643	7.326579237	5.554191065	1.319108246	0.288179116	4.36723186
84890	7.764740548	8.663706119	6.001099092	1.443686562	0.33514432	4.316233334
84909	5.974985986	6.947570446	5.173053455	1.343030863	0.336810672	5.637011914
84991	7.019952847	7.622571999	6.077822077	1.254161754	0.177973865	2.535257271
85021	5.600591187	6.157083388	5.107390764	1.205524244	0.195537389	3.491370504
85236	8.742857615	10.02337706	7.424631025	1.35001686	0.418945824	4.791863738
85359	6.851198237	7.78130004	5.61341683	1.386196728	0.286920461	4.187887306
85360	5.680123291	6.515471882	4.43229504	1.469999588	0.308562886	5.43232726
85453	8.058169316	9.196803118	7.227077948	1.272547935	0.353868235	4.391422188
89795	4.242486679	5.97993514	2.547718409	2.347172717	0.458268945	10.80189472
89845	6.496155712	7.310208733	5.554923637	1.315987259	0.277868974	4.277437098
89870	4.506956568	5.603495822	2.931821898	1.91126747	0.306583429	6.802449163
89910	6.049438762	7.141267431	5.193095234	1.375146634	0.258158473	4.267478083
89927	6.216436087	11.60474694	5.011480526	2.315632453	0.607781435	9.777007701
90121	7.971721404	8.741417282	7.092405502	1.232503877	0.258559776	3.243462271
90326	5.16569794	6.479856897	3.330641046	1.945528445	0.326649196	6.323428115
90355	6.613724349	8.317622573	5.524256661	1.505654622	0.405200847	6.126666698
90362	5.875256976	7.067062117	4.993670505	1.415203929	0.395775688	6.736312805
90411	7.299571475	7.914409135	6.224627449	1.27146712	0.254915307	3.492195504
90627	6.453649611	7.426985865	5.193199645	1.430136789	0.424550025	6.578448641
90634	5.474896316	6.12070702	4.922847683	1.243326508	0.202303404	3.695109312
90806	6.195772421	6.504214052	5.433548173	1.197047278	0.175290632	2.829197388
90861	6.846752244	7.488184428	6.283311501	1.191757631	0.24400487	3.563804581
90993	4.952843593	5.890169136	2.900160696	2.030980264	0.498549491	10.06592438
91137	7.995034639	8.772649366	7.418416459	1.182550132	0.240639874	3.009866554
91543	5.564410778	7.356103355	4.089997491	1.798559381	0.653338735	11.74138216
91647	5.874938951	7.026427151	5.344974765	1.314585655	0.225588103	3.839837403
91746	6.227500132	7.025485151	5.190668569	1.353483671	0.261983768	4.206884985
91754	6.255478219	7.34941073	4.728173631	1.554386811	0.294328083	4.705125211
91782	7.128875284	8.131869263	6.283348715	1.294193531	0.308451572	4.326791529
91851	7.656818568	10.46976281	4.921120944	2.127515851	0.916070889	11.96411905
91949	6.727258205	7.806149989	5.491950651	1.421380214	0.330703246	4.915869675
92017	5.527031179	6.417411428	4.130886121	1.553519327	0.305813691	5.533055281
92104	6.338094161	7.711611787	5.071711784	1.520514594	0.539235618	8.507851171
92342	6.927285281	8.21472617	5.418482951	1.516056477	0.430111949	6.208953891
92346	4.173302186	5.966427343	2.628777037	2.269658955	0.413657299	9.911990097
92689	7.149628792	8.461532583	5.809584236	1.456478164	0.440718342	6.164212918
92856	7.556063217	8.790575057	6.706811517	1.310693619	0.300321649	3.9745783
93081	5.979753596	7.366810379	4.967013413	1.483146866	0.460714557	7.704574272
93487	7.834300483	8.477140356	7.317158724	1.158528969	0.222832784	2.844322664
93594	4.298683368	5.100538585	2.956916363	1.724951929	0.355430936	8.268367452
94134	6.984434284	7.624483855	6.043377756	1.261626224	0.295780975	4.234859445
94239	8.238023415	9.537334831	6.968343003	1.368666099	0.286366745	3.476158423
103910	10.73972077	11.45608208	10.36399029	1.10537368	0.166274882	1.548223512
112479	4.969769004	5.728911241	3.519058203	1.627967175	0.268872096	5.410152788
113251	6.27349062	7.216665096	5.455632462	1.322791655	0.267288895	4.260608825

113457	6.13162414	7.363197752	4.129384328	1.783122414	0.318623328	5.196393659
113791	6.98037213	7.997903039	5.977568593	1.337985991	0.338404357	4.847941489
114088	3.864026162	5.285167367	1.789666206	2.953158163	0.394060476	10.19818342
114548	4.048013711	5.6790822	1.963453114	2.892395118	0.482295322	11.91436978
114876	6.873218698	7.827621112	5.753559108	1.360483305	0.29385096	4.27530351
114908	10.12349674	11.39633406	9.297071654	1.225798239	0.302040128	2.983555344
115123	4.76875972	5.804079991	2.730904842	2.125332198	0.447362242	9.381102605
115201	6.908025489	7.494023446	6.335256825	1.1829076	0.235104094	3.403347222
115353	7.374249753	8.283424259	6.540673391	1.266448233	0.34929445	4.736677791
115817	7.760006773	8.52497727	7.084485467	1.203330476	0.305508542	3.936962306
116138	7.613065233	8.62222535	6.104542053	1.412427873	0.266252852	3.497314732
116228	7.740282982	8.44332775	6.988426243	1.208187288	0.290365979	3.751361286
116285	4.18091481	6.518868995	2.349510443	2.774564809	0.446369271	10.67635412
116372	4.094160369	5.249294716	1.099280197	4.775210842	0.599559929	14.64427073
116984	6.255440956	7.827983619	4.782738801	1.636715686	0.471093354	7.530937579
116985	6.471557552	7.960582593	5.78682218	1.375639746	0.266296042	4.114867856
116986	4.325002248	5.541773603	2.653270213	2.08865783	0.315059482	7.284608503
120526	5.593193942	6.41654	4.931947763	1.301015402	0.264824479	4.734763028
124222	5.369497138	6.629502102	2.614704585	2.535468878	0.597044679	11.11919169
126208	5.553166689	7.310086134	3.828511143	1.909380922	0.308132862	5.548777462
127544	6.070899389	7.319638127	4.298126426	1.70298344	0.506264478	8.339200598
129642	6.633914893	7.370745647	4.99733605	1.47493496	0.337018512	5.080235682
130872	6.319055335	7.729544076	5.344449391	1.4462751	0.436513908	6.907898173
130916	6.673497335	7.424202809	5.774775894	1.285626134	0.301041564	4.511001487
131566	6.53760106	7.102242232	4.840590242	1.46722649	0.359913644	5.505286129
131578	5.458449352	6.931533764	3.21481515	2.156122029	0.523495165	9.59054726
137886	6.801404383	7.843465477	5.587254832	1.403813807	0.29784188	4.379123247
140462	5.211798338	6.732929414	4.062905318	1.657171134	0.461032199	8.845933188
140465	8.69929691	9.298780236	7.651884053	1.21522754	0.322598938	3.708333457
140609	8.495499229	9.362197405	7.412148894	1.263088146	0.309392453	3.641839573
140883	5.446311882	6.391366728	4.528366596	1.41140665	0.306780248	5.632807209
140885	5.718624963	6.644927757	4.381808673	1.51648058	0.368304443	6.440437094
144699	5.704414057	6.442424758	5.250401128	1.227034773	0.258115771	4.524842839
146542	5.395866431	6.847315687	4.619629843	1.482221719	0.298621984	5.534273087
147179	6.692052731	7.248526441	5.83666998	1.241894173	0.234691353	3.507015903
148022	5.926454456	6.88993436	5.23662711	1.315719874	0.295362205	4.983792707
154796	4.886328858	7.175898517	2.358275486	3.042858461	0.517705822	10.59498525
155066	9.058815581	11.01701158	7.667495713	1.436846135	0.650599932	7.181953598
157567	8.163933575	8.955681055	7.21928434	1.240522001	0.349928949	4.286278744
157680	5.632098488	6.577317836	3.967239012	1.657908136	0.32615604	5.7910216
157922	5.0020268	5.572332519	4.358923555	1.278373536	0.191209652	3.8226435
158427	5.808463928	7.349666162	4.958937643	1.482104977	0.29552142	5.087772315
158471	4.348972753	5.056701395	2.771204774	1.824730328	0.32911641	7.567681571
158586	5.307932216	6.035137506	4.186836753	1.441455175	0.286641897	5.400255414
161291	7.075576878	9.560437635	6.206047138	1.540503548	0.547122856	7.732554748
162427	7.868752685	8.952974516	7.116600635	1.258040879	0.297047922	3.775031878
167227	5.984883691	6.758828592	5.015841192	1.347496528	0.278939585	4.660735267

168544	5.814589304	7.676758248	4.602345739	1.668009898	0.396468703	6.818516021
169611	8.292273433	9.202096192	6.983969806	1.317602517	0.42915449	5.175353823
171017	6.268730108	8.290619797	5.707181019	1.452664594	0.279451919	4.45787128
171023	6.667244117	7.529020833	5.882846183	1.279826227	0.287153697	4.306932393
171546	7.677482628	8.507136769	6.920753979	1.229221093	0.307829018	4.009504585
171558	5.617622755	6.895148112	3.423706781	2.013942359	0.429436095	7.644445235
171586	7.46996381	8.725100743	6.630448011	1.315914208	0.408492268	5.468463812
192683	5.479537874	6.421630965	4.774669507	1.344937268	0.242687473	4.428977012
196441	6.255842851	7.642844315	3.888764248	1.965365815	0.436875927	6.983486273
200081	6.235745824	7.649568801	5.320498879	1.437754048	0.257814241	4.134457182
200316	5.534542865	6.438280068	4.341073873	1.483107695	0.319049767	5.764699532
200576	5.95255721	9.270083939	3.452405374	2.685108768	0.490299732	8.236791592
200734	5.431193693	6.567262429	4.046201568	1.62306853	0.300136947	5.526169084
201229	6.358072333	7.693807872	5.171849441	1.487631835	0.500890117	7.87801854
201254	8.018176265	8.82291073	6.621888724	1.332385834	0.324326513	4.044891285
201562	7.372062246	8.15479725	6.593837021	1.236730181	0.310722153	4.214860684
203068	9.538210501	10.2295651	8.293482753	1.233446238	0.331899913	3.479687437
204851	6.494790359	7.926795784	5.130068757	1.545163654	0.387826395	5.971345851
205564	5.787312189	6.31085421	4.856500336	1.299465412	0.199875922	3.45369173
206358	5.393354044	6.149654777	3.914682893	1.570920288	0.322489082	5.979379054
219333	5.863793246	6.741544436	3.876654305	1.739010989	0.361955242	6.17271494
220988	8.699831677	9.372449166	7.741986039	1.210600112	0.242178091	2.783710073
221037	6.568440575	7.58383832	5.875816957	1.290686619	0.270109279	4.112228404
221154	8.84547507	9.544244979	8.279091576	1.15281307	0.236298598	2.671406528
221395	8.12325904	9.289311668	6.818500483	1.362368704	0.558040544	6.869663285
222255	4.930379007	5.905477642	3.893475155	1.516762637	0.271787292	5.512503035
222658	6.326945879	7.082672106	5.654855567	1.252493901	0.230996852	3.651000913
253175	4.319847262	6.319998994	2.384819325	2.650095514	0.535097445	12.38695287
253190	5.091127585	6.779748162	3.804719953	1.781930929	0.450154589	8.841942807
253782	6.961401707	7.774660837	5.551211567	1.400534053	0.362454747	5.206634551
253959	5.77648035	6.523105566	4.586762279	1.422159067	0.262157437	4.538359367
254394	5.22781814	5.683577423	4.34735663	1.30736397	0.226472224	4.332060109
254531	4.664385509	5.327379787	3.460699288	1.539394019	0.251432329	5.390470589
256364	6.304127491	7.411642842	5.552972497	1.334716289	0.301247234	4.778571412
259197	4.422018536	6.303079745	2.212572139	2.848756718	0.490293139	11.08754147
259217	5.834248323	6.858465202	5.030117586	1.363480095	0.344537437	5.90542976
259230	7.36148223	8.331436585	6.369818776	1.307955042	0.443938767	6.030562226
260294	7.12174038	8.329712103	6.339492521	1.31393989	0.310959829	4.366346043
261726	7.177113865	7.931054411	6.716937427	1.180754547	0.262128093	3.652277191
261734	5.522397817	6.388258694	4.441057743	1.43845432	0.26497531	4.798193091
283345	5.662098162	6.41217859	4.889558182	1.311402452	0.293778725	5.188513455
283537	7.300261476	8.127055578	6.401596626	1.269535719	0.310389807	4.25176287
284119	7.763833659	9.146242086	6.462701127	1.415235194	0.423952661	5.46060979
284403	4.765098889	5.88469822	3.681129454	1.598612136	0.30729286	6.448824411
284439	5.73125189	7.203001372	5.23516337	1.375888556	0.350596177	6.117270427
285527	5.894377052	6.511382577	3.424101215	1.901632623	0.318582029	5.404846448
285672	6.687984152	7.615925832	5.355243779	1.422143631	0.310571862	4.643729031

286451	7.872841547	8.538261672	7.047547788	1.211522352	0.283270177	3.598067808
317662	5.366655806	5.818860869	4.467581529	1.302463275	0.236775041	4.411966223
317781	5.084949402	6.182084656	4.531070815	1.364376084	0.203636989	4.004700397
339287	6.862313187	7.605528014	5.885151123	1.292325015	0.237824187	3.465656261
343990	5.345843774	6.858412094	4.367209683	1.570433433	0.306988098	5.742556488
347344	4.503243862	5.419541928	-0.467338121	-11.59661855	0.520177264	11.551168
347733	5.138640702	6.965060574	3.552960629	1.960353998	0.464895456	9.04705121
347902	5.89814634	7.365502126	4.392880645	1.6766907	0.670906267	11.37486642
353500	6.403846291	8.412415044	4.679033161	1.797896009	0.678726265	10.59872824
374868	5.470785201	6.156243927	4.694622563	1.311339483	0.245479897	4.487105385
375035	6.79878338	7.464707864	5.679844694	1.314245066	0.236703448	3.481555962
375056	6.207980478	6.947847151	5.388635352	1.289351885	0.263229144	4.24017352
375449	5.873452481	6.720017904	5.187000288	1.295549939	0.263380674	4.484256485
375790	6.452833386	7.979014297	5.733928904	1.391543989	0.309079602	4.789827723
387263	6.909850957	7.559329969	6.18437001	1.222328217	0.25693813	3.718432296
388567	3.78320101	5.051370122	2.282610773	2.212979183	0.313617477	8.289738673
399665	6.362009394	7.749861081	5.673081492	1.366076107	0.283460553	4.455519247
399979	6.237333997	7.391337529	5.211032019	1.418401864	0.270546449	4.337533457
400506	5.761905833	6.48028968	4.878161134	1.328428787	0.223649848	3.881525568
401387	5.372557987	6.712228686	4.229650783	1.586946306	0.298970238	5.564765218
404734	7.500137374	8.15213214	6.590139621	1.23701964	0.275800186	3.677268464
440026	8.263376255	8.903592126	7.430544168	1.198242272	0.279666891	3.384414342
440073	4.410668474	6.656562559	2.612596101	2.547872806	0.342685243	7.769462714
440138	7.395538921	8.7250119	5.987887536	1.457110182	0.33155105	4.483122234
441151	4.473105148	5.950893984	3.024986782	1.967246276	0.338298271	7.562940279
445347	4.912757838	7.504151568	2.737494662	2.741247927	0.898144811	18.28188648
541578	7.325732257	7.999676029	6.481378895	1.234255266	0.239785827	3.27319944
643853	7.968529918	8.795165633	6.835029778	1.286777954	0.282729036	3.548070203
645832	4.4497447	7.324559443	2.324568114	3.150933457	0.496193358	11.15105228
653483	4.636512251	6.627565183	3.557790396	1.862831827	0.525199696	11.32747348
723790	7.235862743	8.644696451	5.70927461	1.514149702	0.403572867	5.577398043
723961	5.108196791	6.515501294	3.192955061	2.040586594	0.564248694	11.04594668
728113	4.891666992	7.145903232	2.753984804	2.594750421	0.518036814	10.59018969
728661	7.211766935	8.166191067	5.525172529	1.477997479	0.415622752	5.763119582
728689	9.490555023	10.2387459	8.236788932	1.243050657	0.350502812	3.693175067
729230	4.555289748	6.924737574	3.417571265	2.026215999	0.783938015	17.20939957
730092	5.781345957	6.855736163	5.217489161	1.313991453	0.28738091	4.970830535

PTC.Mean	PTC.Max	PTC.Min	PTC.MFC	PTC.SD	PTC.CV	ATC.Mean
5.887361484	7.284737664	3.949376213	1.844528672	0.554283186	9.41479791	6.071198242
3.831835138	5.588628811	0.179237875	31.17995462	0.351178436	9.164758482	4.02077992
5.491006273	8.976798491	-1.106069041	-8.115947698	1.014706121	18.47942018	6.530510018
3.907556592	5.618002884	3.313653977	1.69541024	0.263094709	6.73297245	4.245215575
7.827719784	8.706983458	6.705923879	1.298401774	0.291709647	3.726623528	7.694075834
3.900880537	4.575804573	3.24362671	1.410706281	0.202001195	5.178348648	3.844912402
8.579984242	10.23075431	7.333439947	1.395082579	0.375027349	4.370956156	8.55634801
7.249266335	9.055776702	5.538821893	1.634964416	0.564783133	7.790900585	5.646819061
6.462168888	7.599361291	5.730531155	1.326118136	0.285101403	4.411853178	6.771850351
7.170323315	8.570534177	5.526638649	1.550767966	0.449800019	6.273078616	6.142118706
7.180688997	8.414616562	6.45592434	1.303394544	0.304573553	4.241564473	7.274268988
7.679864685	8.51711014	5.88771014	1.446591279	0.296839977	3.865171974	8.04400447
4.206595825	7.947544846	3.228167569	2.461936897	0.376039129	8.939274046	4.155123306
7.820834197	8.588861104	6.752899703	1.271877487	0.301757395	3.85837863	7.649319971
4.676972693	8.849807971	2.221284225	3.984095269	0.952059798	20.35632579	4.070024492
5.896794507	7.434144628	4.880336127	1.523285371	0.306791364	5.202680262	6.412899541
6.085506081	7.381773163	4.378288438	1.685995171	0.395202164	6.494154458	6.093496665
7.766560948	8.658839137	6.775445974	1.277973313	0.250432586	3.224497783	7.370583143
5.943967248	7.1142281	4.328501614	1.643577555	0.257917326	4.339144475	6.035106433
5.613333786	7.077947357	3.882884919	1.822857876	0.375056207	6.681523342	5.168784688
6.139132727	8.960681927	2.950724492	3.036773494	0.845687361	13.77535555	4.429093529
8.323192466	9.504987736	6.418300027	1.480919822	0.391008544	4.697819326	8.276271061
6.510955452	9.825926878	5.50989959	1.783322312	0.467279049	7.176812251	6.212794079
5.878725512	7.255521035	4.640385927	1.563559831	0.373362141	6.351072861	5.391010067
6.433374485	8.167706256	5.28837486	1.544464315	0.330214778	5.132839369	6.800831116
4.48415549	7.554709423	3.619008657	2.087507972	0.300924022	6.710829335	4.67774149
4.540336929	5.55699016	3.879011065	1.432579095	0.217766432	4.79626149	4.470211536
7.686481821	8.392472105	6.781624668	1.237531199	0.259766147	3.379519438	8.167037295
7.087331802	10.08163984	5.243489838	1.922696553	0.531970076	7.505928755	6.912862763
6.976322304	8.447386989	5.520448101	1.530199512	0.348979232	5.00233815	7.02456994
5.945527091	7.158540098	4.399708951	1.627048557	0.267463259	4.498562611	5.640884543
7.408024402	8.846561723	6.543121948	1.352039866	0.303512319	4.097075044	7.67669672
6.553081392	9.800090782	3.671682344	2.669100936	0.956108772	14.59021665	7.400648087
4.265705486	5.661128273	3.413000085	1.658695614	0.267528395	6.271609595	4.341334938
4.288148175	12.93505736	3.259568367	3.968334423	0.940371678	21.92955187	4.104138877
6.771524141	8.356159469	5.958175588	1.402469489	0.366817681	5.417062299	6.724744782
11.28914033	12.17577423	9.659460246	1.260502546	0.289505786	2.564462642	11.6586485
5.481146043	7.221600828	3.639006842	1.984497733	0.473300257	8.635060129	5.792231245
4.396373035	8.112988157	3.465321048	2.341193801	0.372292536	8.468174409	4.49307556
8.731142612	10.16048413	6.747987665	1.505705794	0.425382238	4.872011114	8.288520089
5.290860733	5.966771292	4.730107045	1.261445298	0.162619747	3.073597199	5.235885645
6.682409296	8.500077548	5.339707863	1.591861908	0.277418722	4.151477556	6.308567305
5.514245176	6.6117839	0.685217246	9.649179056	0.407871383	7.396685669	5.389140748

6.129369414	7.122041019	4.771472315	1.492629643	0.38323019	6.252359158	6.159669387
6.910588181	8.431226132	4.945657375	1.704773601	0.407458196	5.896143508	6.98846308
5.891858985	9.727747763	4.764940298	2.041525634	0.513426513	8.714168392	6.954381878
4.995511387	7.038146744	3.210852909	2.19198666	0.349747148	7.001228126	5.537751802
7.173076177	8.182894178	5.73999421	1.425592758	0.389892642	5.435501202	7.366851875
9.274965526	10.21192784	8.51977023	1.198615404	0.266707557	2.875563865	9.376965638
5.218580669	6.744456632	4.722162115	1.428256055	0.241729309	4.632089153	5.241849602
4.337258272	6.605769571	1.619584921	4.078680584	0.321381616	7.409787386	4.477485089
6.460344013	7.570472079	5.602622303	1.351237272	0.254666212	3.941991503	6.275887255
5.553015947	7.62163795	4.238494381	1.798194657	0.461275189	8.306750656	5.989873989
6.336378654	7.557433562	4.915068366	1.537604973	0.365115783	5.762215336	5.648780071
4.227125433	6.080692049	3.023731057	2.010989712	0.297069116	7.027686332	4.284624931
4.509474894	6.716925395	3.661964917	1.834240783	0.342098168	7.586208501	4.546162584
7.240830848	7.772838726	6.64596822	1.169557011	0.172440666	2.381503852	7.247787937
4.703397539	7.299220558	1.308635053	5.577735781	0.459788271	9.775662528	4.700639466
8.853950363	9.985051469	7.15322305	1.395881465	0.465507168	5.257621163	8.295013172
6.481892695	7.777021905	4.985177163	1.560029193	0.450892999	6.956193504	6.885494497
4.414001718	8.834539364	2.348546771	3.761704674	0.940634468	21.31024244	4.164769722
3.981064689	6.134229414	2.389856713	2.566777071	0.361276811	9.074879194	3.941520094
7.85392237	9.041365918	6.32780212	1.428831962	0.379201688	4.828182279	7.949230645
3.97295842	5.669537291	2.534394846	2.237037887	0.260072098	6.54605637	3.929077724
7.392298297	9.147979901	5.360029901	1.706703147	0.526672359	7.124609127	7.036635326
8.472738477	11.77675698	5.8261491	2.0213621	1.040582829	12.28154075	9.115187348
5.935463185	7.514635428	3.975012729	1.890468268	0.552553017	9.309349578	5.340613865
4.626906395	7.072124202	3.662100132	1.931166256	0.489030313	10.56927181	6.077063287
7.877270432	9.526897598	6.705458381	1.420767539	0.399699169	5.074082105	8.034292748
8.632723644	10.01301481	6.736832474	1.48630901	0.503820572	5.836171678	8.195141835
4.181451283	5.517595891	3.340738246	1.65160976	0.242602951	5.801883943	4.03564067
4.415061481	5.728647223	2.688716937	2.130624888	0.33099207	7.496884738	4.521138121
5.3276854	8.482464493	0.523395603	16.20660251	0.944610346	17.73022007	4.923116731
5.275552907	10.53806779	4.256717789	2.475632238	0.542521152	10.28368327	5.148485702
5.36558079	7.384146769	2.801081104	2.636177424	0.621052797	11.57475437	5.663413418
4.281595214	5.189870163	3.23229655	1.605629336	0.248180574	5.796451124	4.211776189
5.869603629	7.283127385	4.882629743	1.491640319	0.253386086	4.316919874	5.934629397
5.898169232	7.281928841	5.047766361	1.442604178	0.343492704	5.823717327	5.938443926
7.595679419	8.661161751	6.427793932	1.347454794	0.31926501	4.203244924	7.959115143
6.245878963	7.292382884	4.707449551	1.549115462	0.348620409	5.581606866	6.363765261
6.639316487	7.812099534	5.517709898	1.41582281	0.292332991	4.403058539	6.953600919
6.964358441	7.946578956	3.7749733	2.105068917	0.407087117	5.84529243	7.268658969
8.007043011	9.85571498	6.756290529	1.458746473	0.361442248	4.514054037	7.90530583
7.35317645	7.966005908	5.845436745	1.362773434	0.251207901	3.416318143	7.207888193
8.186398974	10.49130347	5.432345101	1.931266013	0.780257363	9.531142637	8.95437221
8.614737471	9.557792625	7.359282572	1.298739725	0.337438815	3.916994757	8.099359778
3.536850512	5.657584012	2.244058647	2.521139107	0.337287714	9.53638592	3.584016721
4.157356372	5.595501742	3.195489662	1.751062383	0.244045963	5.870219945	4.499295118
7.51510432	8.941966323	6.036343642	1.48135475	0.452680903	6.023614355	7.019476159
4.810555443	6.345800487	4.021328012	1.578036029	0.25454789	5.291444891	4.912229958

7.614579626	8.717637191	6.089471186	1.431591829	0.363282004	4.770874064	7.36796231
6.095190665	8.418943612	3.088490873	2.725908528	0.760925756	12.48403534	5.906412697
4.76512767	7.166017896	2.805552187	2.554227267	0.751086106	15.76214024	5.115210501
7.037614205	8.635139343	4.836547331	1.78539333	0.67303746	9.563432164	6.759981239
4.477537585	5.751055398	2.793968134	2.058382602	0.250691036	5.598859453	4.466836153
3.7830204	5.785536164	1.713042741	3.377344899	0.279028001	7.375799527	3.875679203
8.553836046	10.45942054	5.822353161	1.796424959	0.655964608	7.668660059	8.507361855
4.117158206	4.851276338	3.446443863	1.407617977	0.200772987	4.876494349	4.095153085
7.057740305	9.053813394	4.772516113	1.897073405	0.620805971	8.79610108	8.094322263
7.282012933	8.929965035	5.914679039	1.509797062	0.551370576	7.571678063	7.650447698
7.599583922	10.24840768	5.881424791	1.742504248	0.613101832	8.06757104	6.60811192
7.021914343	8.094172724	6.163358516	1.313273064	0.257978405	3.673904187	7.16912201
7.693091795	8.531200691	6.32053556	1.349759148	0.288504556	3.750176963	7.658963629
6.053607397	7.342045352	3.907268436	1.879073699	0.353688431	5.842606038	5.683023264
6.377069259	7.123477968	5.591411152	1.274003606	0.248287187	3.89343721	6.098564538
7.424975486	8.692565325	6.078765325	1.429988634	0.392302521	5.283553078	7.491325342
4.317097198	5.653635471	3.102015009	1.822568703	0.237941236	5.511602463	4.415588416
3.832376836	5.022802739	2.743741932	1.830639639	0.231765672	6.047569993	3.981716435
7.862206253	9.507843171	4.13861072	2.297351409	0.469685905	5.973970789	7.965377731
5.556080307	7.789932967	4.620631192	1.685902346	0.311434567	5.605292754	5.60676584
8.006436218	10.54004699	3.425402005	3.077024822	1.120393524	13.99366077	6.613352952
8.745369286	10.84343741	6.634137409	1.634490928	0.576082879	6.58729049	8.424171319
4.625537472	6.475314727	2.890575101	2.240147549	0.318240395	6.880073865	4.337275782
5.843382858	7.698450771	1.631065617	4.719890292	0.486309336	8.322393861	6.162570305
5.660681651	8.069031672	1.91784012	4.207353672	0.771558566	13.63013527	5.816777678
5.959592347	7.401889754	4.569216801	1.619947154	0.417325654	7.002587249	5.904651158
4.035244161	7.257944735	3.001049008	2.418469247	0.338490124	8.388343083	4.029981018
9.615133531	10.68069591	7.988595911	1.336992887	0.40518288	4.214011987	9.028477668
8.348768299	12.33328125	4.559939725	2.704702692	0.539894984	6.466762101	7.235762913
3.629884383	4.978195497	2.488612889	2.000389662	0.280982804	7.740819653	3.58168033
9.518890444	10.57469386	7.859646236	1.345441454	0.354133532	3.720323646	9.738427713
3.891954806	5.38228718	3.031036733	1.775724828	0.252557354	6.489216003	3.883621074
8.984046277	10.8402097	6.649300895	1.630278111	0.642221769	7.148469063	9.434409193
4.278454061	5.470141381	3.022027342	1.81008997	0.258926991	6.051881985	4.338344892
5.913685097	8.781685639	3.197685639	2.746262963	1.03924508	17.57356137	6.059469376
7.764810859	11.03319312	4.628893124	2.383548902	0.995056061	12.81494269	8.825383119
4.111200105	6.295795858	2.147499221	2.931687144	0.364401563	8.863629928	4.148516392
5.817526512	8.635809943	3.302183976	2.615181349	0.980320786	16.85116146	5.331686332
4.053655355	5.182034644	3.43190614	1.509958149	0.224845289	5.546729284	4.022050541
4.961684449	8.132195896	2.667874023	3.048193365	0.494603775	9.968464951	5.19772334
4.211588468	5.368279486	3.665912818	1.464377292	0.186636797	4.43150604	4.169082935
7.782689472	9.029660337	6.505507925	1.388002358	0.385288055	4.950577256	7.905421945
7.090467203	8.909524496	5.699233919	1.563284579	0.479017059	6.755789786	6.763307879
4.463269171	6.389371208	3.522756233	1.813742077	0.31046741	6.95605391	4.534985093
4.165122227	8.34695376	1.857828676	4.492854409	0.784419855	18.8330573	3.991969475
6.612971604	7.801698081	4.876462261	1.599868442	0.332780665	5.032240942	7.045170062
6.292793342	7.777414136	4.705544026	1.652819332	0.399745171	6.35242808	6.648993229

4.565254341	7.564993666	3.546679088	2.132979465	0.347215018	7.605600751	5.089948905
6.664905127	9.185931257	5.153312757	1.782529354	0.419646635	6.296363212	6.921117814
6.351456246	7.968866641	4.96543831	1.604866709	0.4040392	6.361363202	6.111837802
6.028067676	8.505072639	4.467758779	1.903655291	0.580416196	9.628561372	6.244982459
4.481670135	6.975593255	4.105957372	1.698895683	0.30238216	6.747086482	4.540606072
4.651294331	7.162597577	3.25219819	2.202386558	0.506649352	10.89265302	4.664222364
6.513372108	8.442724988	4.801774988	1.758250857	0.521946457	8.01345982	5.759967068
6.478850158	7.473114791	4.597414791	1.625503708	0.335057461	5.171557495	6.059919495
9.499792211	10.89478623	7.654864344	1.423250072	0.401727673	4.228804846	10.2021966
10.1236793	10.96431557	8.842698091	1.239928747	0.31254625	3.08727925	10.2607404
9.12419995	11.92212312	6.725145296	1.772768111	0.795799283	8.721852735	8.519004508
8.560365925	9.669407511	6.654877985	1.452980435	0.425461147	4.970128033	8.312789616
9.779589672	10.81642011	8.168593048	1.324147261	0.416291796	4.256740927	9.959342524
6.706620864	8.677983996	5.077283996	1.709178372	0.45656222	6.807634269	6.98623381
9.025646427	9.962093799	5.749606208	1.732656714	0.358433267	3.971275296	8.827087842
7.689369575	9.180183019	5.926052229	1.549122867	0.310506184	4.038122779	7.582053622
4.033744536	4.747748412	3.44176963	1.379449795	0.209232319	5.18704934	4.096607134
5.601712457	8.28674767	4.346709011	1.906441781	0.610123937	10.89173965	6.216171471
4.239742528	6.045944747	3.611080895	1.674275632	0.239643728	5.652317954	4.281729389
5.114563317	8.203068903	1.859724252	4.410906022	0.924290278	18.071734	5.904359606
4.691688233	5.831693477	3.595847326	1.621785618	0.275058142	5.862668799	4.802941583
5.293660748	7.5310947	3.426680194	2.197781606	0.508792445	9.611353459	5.291872349
5.322420835	6.160441085	4.511146544	1.365604293	0.248942985	4.677251067	5.188434211
6.463399368	7.552032745	5.363314113	1.408090704	0.355980553	5.507636664	6.523503413
5.419954244	6.405555288	4.84493647	1.322113371	0.19837537	3.660093082	5.51677096
4.047778716	4.854069115	3.552192363	1.366499508	0.181043415	4.472660883	4.099980302
4.787196883	5.662208836	3.790287496	1.493873181	0.261593083	5.464431252	4.873556906
9.616608008	11.4410288	7.927936171	1.443128268	0.350954858	3.649466191	9.615915461
8.866798251	9.831247701	7.84202134	1.253662452	0.259407359	2.925603494	9.091789245
5.829346828	9.117788902	3.265922334	2.791795998	1.069095935	18.33989238	6.461479866
6.624778911	8.008957902	4.184831814	1.913806398	0.286442121	4.323798948	6.479693065
4.870951748	7.618120847	2.73183885	2.788642107	0.442397288	9.082358254	5.097835965
9.738160652	10.86656747	7.768274521	1.398839271	0.462618331	4.750571975	9.132721987
4.780030037	9.394789045	3.13998708	2.991983344	0.594880889	12.44512867	4.518250571
3.850576585	5.689385035	2.701381987	2.106101641	0.273613235	7.105773091	3.95114252
8.448413973	11.63573298	4.972217875	2.340149461	1.114491484	13.19172436	8.260080879
6.521844814	9.332928606	3.73083558	2.501565241	1.11002695	17.02013743	6.841265214
8.785879682	11.61454612	4.949168471	2.346767176	1.205854231	13.72491173	8.520730234
3.613036236	8.073072149	3.081476548	2.619871358	0.362424059	10.0310109	3.526681876
9.121563677	10.29028128	7.763456102	1.325476843	0.406750714	4.459221341	9.005625384
7.847321018	8.802982179	6.712301468	1.311470026	0.290959586	3.707756894	7.844796184
6.845644352	8.803083463	4.373408246	2.012865703	0.689261812	10.06861847	6.794044121
5.868857435	8.506086521	4.501052428	1.889799476	0.372877087	6.353486882	5.737999753
8.001759084	9.974779354	5.66648028	1.76031308	0.598288034	7.476956348	7.381034167
4.67981892	6.003854032	3.044341187	1.972135731	0.243147126	5.19565245	4.828967767
5.281042666	6.475292064	4.24145549	1.526667456	0.384163447	7.274386353	5.568348608
4.773348927	7.247700366	1.992585094	3.637335433	0.899900209	18.85259642	3.754911972

5.336759683	9.961392284	2.828709587	3.521532338	0.895058753	16.77157688	4.745876694
4.676769765	9.243823244	3.751918103	2.463759333	0.429016325	9.173347136	4.538285379
5.088318362	8.568624435	3.227020867	2.655273947	0.638165721	12.54178052	6.22695495
5.192902321	7.369395305	3.799230868	1.939707157	0.534067122	10.28455937	4.721515461
6.324538914	7.93994872	5.534803927	1.434549232	0.245546363	3.882438964	6.379115389
8.618212298	9.385277207	7.475116691	1.255535879	0.256285844	2.973770378	8.819457113
5.7067025	6.818976662	3.942626515	1.729551768	0.413147788	7.239693816	5.451891371
3.483584087	6.862745644	1.762245644	3.894318403	0.65469868	18.7938245	3.986040786
8.119974658	8.863371788	6.454824985	1.373138979	0.290909776	3.582643887	8.009246984
9.617987114	10.408416	7.794787079	1.335304722	0.325247259	3.381656219	10.09595581
6.031300028	7.788850035	4.333588562	1.797321071	0.396609002	6.575846001	5.498819067
8.280578146	9.110089918	6.935204555	1.313600752	0.266419824	3.217406066	8.24283263
3.776710764	6.602152778	2.519722426	2.620190506	0.346081643	9.163572872	3.67724395
7.400925835	10.52877951	4.574579511	2.30158411	0.681614051	9.209848417	6.699891399
8.743184514	9.340453873	7.520156607	1.242055766	0.305897936	3.49870159	8.911254534
5.90144186	7.320281652	4.399876321	1.663747142	0.346915659	5.878489822	5.820081009
7.435708701	8.134532666	6.612532666	1.230168995	0.257568121	3.463935068	7.698198449
6.972096457	9.573531853	4.568850817	2.09539165	0.781462075	11.20842318	8.673993479
7.674085199	9.300567256	6.651596813	1.398245792	0.395397368	5.152371364	8.252927498
6.914964956	7.49607554	5.430996455	1.380239446	0.209004311	3.022492704	6.998717857
6.619930982	8.021556252	5.247090699	1.528762644	0.362769067	5.479952408	6.301196738
5.869295501	7.091958054	4.427227404	1.601896042	0.365515479	6.227586929	5.138972842
6.819055622	7.766955024	5.62738284	1.380207326	0.320034252	4.693234216	7.179509631
8.892779433	10.5911812	6.835581198	1.549419265	0.525694871	5.911479923	8.797212016
5.002963743	9.011649657	3.556863727	2.533594298	0.882853993	17.64661985	5.427318681
8.372318882	9.507285883	6.940542831	1.369818776	0.341573127	4.079791175	8.055016414
6.16944134	6.780423536	5.518316138	1.228712413	0.198936983	3.224554248	6.026590018
7.263326866	9.499556067	4.535835314	2.09433443	0.98289567	13.53230673	6.51249576
4.974854462	5.948504494	4.157932945	1.430639833	0.201049118	4.041306524	5.005534652
5.699473333	7.100976123	3.826435843	1.855767721	0.358304708	6.286628375	5.687007538
4.814213073	5.598228139	3.545935318	1.578773338	0.240682128	4.999407468	4.897114424
5.480999528	6.544704847	4.515492417	1.449388958	0.303099425	5.530002757	5.342772527
6.67176054	7.664132478	5.839527857	1.312457559	0.318826122	4.778740481	5.909039325
4.166624442	6.3783848	3.065076112	2.08098741	0.337357754	8.096668151	4.572797488
4.400345419	6.854575925	3.354513426	2.043389027	0.365986492	8.317221884	4.389144556
3.655876432	4.923761248	2.723761056	1.807706751	0.262398237	7.177437258	3.752981652
4.093076562	6.322538183	2.591402146	2.439813594	0.490906033	11.99357074	3.776339974
8.539286813	9.816113757	6.605313757	1.486093487	0.390415818	4.571995613	8.17643266
4.829951681	7.292394629	1.204674695	6.053413971	0.574276436	11.88990023	4.684780449
4.85053081	5.68205291	3.817226411	1.488529183	0.25461859	5.249293318	5.107236414
4.368643895	7.487422764	2.640110929	2.836025821	0.450375998	10.30928611	4.347653807
6.821245053	8.014646186	5.409109256	1.481694269	0.366786145	5.377114323	6.767142808
7.271099945	8.387785253	5.850021765	1.43380411	0.328766744	4.521554466	7.391331868
5.644890643	8.015617495	4.236842495	1.8918847	0.376716685	6.673586947	5.77856554
4.313558355	6.878543015	2.841949973	2.420360345	0.401757224	9.313823789	4.183236271
6.106022872	7.831972757	4.223601289	1.854335251	0.359939428	5.894826063	6.630495625
8.869237545	10.6689629	7.000962904	1.52392793	0.468493854	5.28223369	7.425858065

3.654305417	8.160132251	2.596748862	3.142441832	0.442763314	12.11620987	3.685709135
3.95264198	4.946746972	3.031091969	1.63200161	0.206034972	5.21258878	3.970785457
6.547517636	7.379886121	5.288665816	1.395415475	0.312505593	4.772886612	6.081926695
7.16191535	8.368053239	5.29221317	1.581201091	0.441498061	6.164524989	6.955204674
6.255450814	9.373878166	4.376536537	2.141848488	0.892599736	14.26915121	5.71988191
9.53475805	10.88035514	8.54269128	1.273644895	0.32564036	3.415297573	9.823783844
5.846143459	6.468113152	3.958726426	1.633887381	0.265409476	4.539907006	5.697545872
8.755215446	10.03233965	7.549099878	1.328945147	0.382215295	4.365572701	8.965149783
7.80531445	8.966913781	6.80602914	1.317495649	0.283047398	3.626342021	7.410044872
4.460332104	7.481115484	2.515366035	2.97416574	0.507195876	11.37125811	4.210848918
4.623524736	11.55716999	2.99793322	3.855045839	0.837660219	18.1173513	4.46947549
10.50032267	11.95201174	7.21331174	1.656938196	0.444775773	4.235829575	9.256511434
5.305182189	7.293473728	3.942806909	1.849817629	0.440802315	8.3089006	4.849064898
6.825360384	8.699699952	5.618399952	1.548430163	0.37531547	5.498837409	7.235542288
5.012672689	6.413374448	4.050728839	1.583264322	0.333850934	6.660138312	4.999070847
3.945214694	5.830023977	2.586117429	2.254353925	0.259091924	6.567245225	3.977737002
6.809678471	8.883376904	5.487183157	1.618932091	0.338584878	4.972112556	6.896187679
7.010057598	8.521507225	5.9711129	1.427122107	0.398048049	5.678242197	6.928592349
9.71484582	10.5427568	8.734987496	1.206957286	0.282815322	2.911166349	9.900215306
9.094690344	9.852150432	7.994808242	1.232318541	0.24302515	2.672165191	9.151651845
7.975667902	9.080483425	6.615759284	1.37255348	0.311751603	3.908783649	7.812000968
7.834319133	8.830921223	6.532234482	1.351898994	0.344205538	4.393560335	7.718585797
8.580566728	9.859682501	7.808882501	1.262624005	0.348854809	4.065638324	8.576845436
7.354870803	8.956089961	6.524976222	1.372585839	0.268029284	3.64424191	7.372612017
8.440110047	9.770548222	7.130160544	1.370312514	0.317884424	3.766354019	8.444113672
9.782214914	10.82585597	8.181624693	1.323191466	0.329102912	3.36429852	9.800764171
9.748866724	10.69155489	8.593501945	1.244144117	0.315073458	3.231898304	9.748755361
8.396977747	9.414161171	6.771129647	1.390338343	0.427533496	5.091516367	8.205727002
4.420397821	8.79234945	3.67150609	2.394752789	0.380420667	8.606027831	4.493703611
8.762091946	9.774037776	6.709802181	1.456680467	0.449315766	5.127950819	8.829060143
8.785359706	9.628496554	7.560676315	1.273496729	0.277513466	3.15881734	8.831621234
6.97265463	7.944445576	5.834934834	1.361531157	0.317448679	4.552766429	7.017716371
9.060760865	10.4544451	7.885371173	1.325802536	0.362140194	3.996796728	9.307008013
7.092956356	7.910058782	6.186977916	1.278501215	0.273405919	3.854611609	6.786297185
9.177297388	10.36869828	7.53704828	1.375697474	0.352524709	3.841269324	9.06144037
8.096357903	9.040492922	6.24701569	1.447169876	0.299531463	3.699582782	8.169237815
4.744660969	7.975498866	3.588471417	2.222533759	0.393167824	8.286531462	4.677902844
6.623980488	7.333894632	5.547277659	1.322070948	0.290350596	4.38332505	6.51760849
4.342319078	8.816538009	1.972929569	4.468754561	0.570679048	13.14226426	4.423946354
8.16782164	9.51933971	6.378642597	1.492377032	0.449847401	5.507556616	7.440482536
4.701508025	7.480162185	3.073122994	2.434058838	0.507633762	10.79725397	4.606973988
6.676820589	8.136450431	5.49822055	1.479833404	0.360626482	5.401170764	7.304911649
4.445470457	8.629640866	3.591249356	2.402963429	0.441687413	9.935673114	4.399506313
10.37550014	11.62707851	9.169458011	1.268022438	0.351333423	3.386183015	10.7127729
6.271563305	7.341152596	5.200435745	1.411641823	0.3027173	4.826823639	6.242000955
7.351360203	8.877117125	6.272722379	1.415193689	0.339911982	4.623797132	7.010239145
4.929124001	6.557094772	0.65354762	10.0330788	0.388429326	7.880291223	5.027046159

5.330627822	8.175323035	4.312075091	1.895913884	0.408926782	7.671268679	4.928246008
4.067529887	5.987918757	1.598889441	3.74504866	0.533090467	13.10599999	3.791165177
5.845688679	6.786534909	5.035092648	1.347847077	0.232898371	3.984104939	6.346466836
6.051458903	7.357210626	4.756390344	1.546805475	0.405258597	6.69687432	6.098038525
6.7670236	8.176954118	5.317800242	1.537657254	0.508797843	7.518783344	6.73451891
5.926817106	9.124250592	3.642747541	2.504771602	0.773262062	13.04683522	7.079364149
6.078055528	7.386652505	4.727856288	1.562368239	0.32598144	5.363252083	6.191079526
4.738257198	10.47279949	2.138381602	4.897535348	1.601145254	33.79186033	4.612141861
5.858275747	6.687712298	4.39190024	1.522737752	0.323349215	5.519528766	5.571811005
8.947399763	10.88979915	6.729964994	1.618106359	0.654338411	7.313168384	8.405452546
6.322887153	7.972653179	4.769474134	1.671600045	0.416593483	6.588659157	5.667509324
5.518714047	8.492610478	3.286718719	2.583917641	0.955488359	17.31360515	7.241126468
6.052960409	7.755159497	4.107900475	1.887864505	0.445696186	7.363276083	6.248079745
6.619468521	8.079448226	5.114480897	1.579720091	0.418250574	6.318491768	7.053997389
6.116377628	7.684160528	5.139516656	1.495113459	0.338393423	5.532578977	5.476551071
6.630385152	9.124647581	5.063914671	1.801895998	0.429448319	6.47697395	5.984075021
4.590324296	9.87355459	2.471242146	3.995381272	1.475412039	32.14178223	4.483623745
4.448346561	6.541798717	0.212213014	30.82656716	0.412007635	9.262039928	4.480776046
4.104244437	5.213609971	3.379300849	1.542807286	0.239914484	5.845521321	4.133366658
7.014032043	8.041098838	6.003898838	1.339312846	0.266307164	3.796777126	7.081991142
5.329551701	7.735867558	4.130742048	1.872754936	0.430254055	8.072987725	4.934945983
4.343262682	5.92646606	3.617791736	1.638144618	0.283942843	6.537547089	4.877193672
5.705314037	7.665451159	4.11870741	1.8611303	0.45603347	7.993135289	5.773183031
4.444301524	6.723610848	3.438737367	1.955255703	0.466643367	10.49981341	4.814400594
6.387163963	8.88023418	2.413960751	3.678698661	0.984794108	15.41833143	6.308020433
4.806729852	6.789439419	2.282521543	2.97453465	0.468177426	9.740040323	4.401406826
7.853662496	9.595961386	6.171533968	1.554874596	0.647895628	8.249598555	8.647517839
4.720832822	6.254052943	3.458133417	1.808505396	0.371183776	7.862675721	4.880769653
4.46820899	5.869009841	3.388654063	1.731958982	0.325637825	7.287882598	4.45349211
6.163015369	8.054012874	4.195012874	1.919901825	0.481080867	7.80593327	5.84408104
6.730270006	8.269111519	3.534414755	2.339598517	0.790274948	11.74209872	7.015033638
5.420621651	9.139421631	4.34053195	2.105599437	0.441698473	8.148483716	5.353068733
4.303849321	7.521854854	2.103118255	3.576524923	0.490638931	11.40000251	4.340198472
5.029002428	7.438325261	0.474807239	15.66598958	0.551343791	10.96328345	5.904374091
6.571682487	7.859958241	5.448971918	1.442466278	0.291568397	4.436738963	6.747522609
4.443205659	6.711913816	2.115137172	3.173275902	0.444345101	10.00055219	4.427834097
6.926214054	7.860842686	6.114142686	1.285681916	0.236051347	3.408086218	7.114891843
7.860255084	9.014115409	6.74108718	1.337190155	0.399258992	5.079466101	7.900563912
4.123877894	9.155228041	2.750836526	3.328161435	0.622362776	15.09168778	5.2869033
5.530497688	6.651531491	4.304193119	1.545360839	0.284303271	5.14064532	5.633402209
6.607605225	10.1391314	3.589581405	2.824599936	0.831186129	12.57923409	6.573273958
4.823104932	6.810352411	2.838500226	2.399278446	0.567507208	11.7664288	4.851737643
4.04522449	5.820826821	2.874604147	2.024914222	0.353901529	8.748625201	4.031159259
4.462250126	5.947272578	2.641115786	2.251803048	0.357422398	8.00991402	4.480207468
6.709624965	8.623663288	4.261013288	2.023852709	0.561355755	8.366425218	5.285396682
6.582565674	8.83180245	4.549723819	1.941173311	0.463101979	7.035280806	6.23307903
6.539891362	7.241604037	4.514364895	1.604124657	0.303756009	4.64466445	6.451106165

6.163013228	6.996907083	3.476620882	2.012559701	0.304631807	4.942903665	6.463547655
5.968178247	7.353763815	4.914769332	1.49625818	0.348323747	5.836349592	6.129032928
7.22524195	8.306571726	5.901692081	1.407489854	0.315175639	4.362146496	7.694663511
5.34011004	6.685109242	3.745638169	1.784771764	0.475499566	8.904302773	5.726812227
6.771910641	8.598173869	5.408706663	1.589691289	0.443105928	6.543292604	7.072270355
6.120990733	7.835178	5.018379978	1.561296282	0.331642052	5.418110666	6.346168315
5.33308799	6.798231846	4.607653078	1.475421811	0.352912946	6.617422147	5.626355821
4.01781764	5.015231579	2.802178439	1.789761676	0.293432486	7.30328034	4.574236952
3.329587295	4.748111405	2.277217761	2.085049347	0.233819437	7.022475042	3.226021614
7.681078388	9.183589471	5.977598013	1.536334402	0.428009729	5.57226092	7.411527286
8.193568902	9.518744435	6.550914094	1.453040644	0.418773534	5.11100277	8.127991216
4.899048152	7.459816624	3.318706243	2.247808658	0.513661571	10.48492595	5.316098503
7.098810748	13.56176693	3.745211465	3.621095113	0.972977267	13.70620096	8.085479165
5.134462658	6.902349575	2.646605562	2.608000857	0.549966256	10.7112719	4.362188696
6.01251331	7.224503024	4.653822971	1.552380284	0.323246862	5.376235282	5.73999108
6.329993321	7.507044483	4.248527686	1.766975535	0.363775727	5.746857993	6.364662829
7.273634658	9.996005887	3.997009851	2.500870966	0.574016469	7.891741829	6.450917234
8.862056538	9.421416817	8.199969019	1.148957611	0.181066623	2.043167094	8.93543469
7.705634708	9.28163796	6.645251316	1.396732421	0.393253737	5.103456776	8.00034183
5.490956902	8.010781349	4.212541312	1.901650514	0.658002569	11.98338615	6.13271273
4.062756234	5.550033954	3.223797328	1.721582776	0.305247507	7.513310897	3.900502068
3.968443798	7.60458931	-1.625084121	-4.679505025	0.582166992	14.66990643	4.821117969
5.184563314	7.335508926	3.726638992	1.96839805	0.552533673	10.6572847	6.416054296
5.921685133	7.005450581	4.423662584	1.583631312	0.281790909	4.758627027	6.627505603
8.421969807	10.83534271	4.913432257	2.205249231	0.787577548	9.351464876	8.863579235
8.238589529	11.12456063	5.073388344	2.192727992	0.983540872	11.93821914	9.749871138
7.62860595	10.7407008	3.258234138	3.29647912	1.168406047	15.31611483	8.760447013
5.254756276	8.606480577	3.014106932	2.855399881	0.630003959	11.98921369	6.092403204
6.729833192	9.133416381	3.891916381	2.346765831	0.754936244	11.21775566	8.021382107
4.598019974	9.85254003	1.276057087	7.721080924	0.576590285	12.53996913	4.554227015
4.132506014	6.144510723	2.925081944	2.100628577	0.291204006	7.046668646	4.261558634
5.348033807	8.075676748	3.94499849	2.047067133	0.576688908	10.78319489	5.415849138
5.455148705	8.277915298	4.521588564	1.830753767	0.384241624	7.043650767	5.260276581
4.399170969	6.687148177	2.411131517	2.773448122	0.485477567	11.03566035	4.411738571
6.279447813	9.533881966	2.080455452	4.582593662	1.07753874	17.15976902	5.533191292
4.298378885	7.262639581	2.676484038	2.713500053	0.467851892	10.88438	4.104775626
4.245574209	6.441949794	1.279650176	5.034149108	0.408444956	9.620487959	4.285964693
4.251701014	5.597654313	3.342063762	1.67490949	0.262230098	6.167651418	4.208764068
5.260172641	6.311317427	3.717458918	1.697750417	0.34029976	6.469364843	5.278853905
5.394591886	9.244025321	2.701035917	3.422399999	1.20918089	22.41468708	4.555551957
4.363876532	6.557409666	2.23430467	2.934877125	0.446927043	10.2415144	4.396316814
4.889879604	5.89642432	-0.190861962	-30.89365869	0.409741225	8.379372456	5.039938777
4.233461343	5.930091358	3.126080005	1.896973637	0.289083624	6.828540544	4.206196057
4.99433151	7.106336474	2.694080433	2.637759581	0.362796017	7.264155708	5.306895632
5.904328231	11.43648997	3.820538917	2.993423236	0.671486684	11.37278718	5.291984106
10.03102747	10.93610722	9.205407221	1.188009065	0.247497419	2.467318721	10.0395309
4.357949356	6.709262776	3.0852891	2.174597763	0.300818622	6.902756264	4.382502813

6.477546176	8.968782838	4.323418604	2.074465523	0.870717999	13.44209637	6.552035391
4.568668706	8.487419825	3.813761934	2.22547185	0.526207081	11.51773339	4.155103173
5.643767244	9.500102684	2.759342248	3.442886685	1.196158226	21.19432242	5.203270284
3.801438931	5.963192983	3.286801414	1.814284537	0.266154499	7.001414552	3.738880308
4.770538834	10.24955929	0.8455263	12.12210583	0.587565934	12.31655279	5.587022857
6.911106795	9.142119553	4.549730622	2.009376008	0.644221169	9.321533984	5.630475943
6.390811959	9.590462906	3.988622906	2.404454653	1.132041028	17.71357121	6.339389759
4.591495739	6.618837702	2.771273817	2.388373773	0.300394489	6.542410264	4.674507943
4.484481329	6.693749685	3.728402207	1.795340018	0.331381751	7.389522365	4.43756973
4.413490882	6.146329308	3.841971787	1.599785123	0.261700922	5.929567523	4.448560821
6.221990993	7.161358333	4.686213701	1.528175792	0.353113395	5.675247612	5.983450058
4.812352501	6.646732722	3.248874291	2.045857157	0.295861266	6.147954986	4.856901876
6.324421956	7.150887932	5.429169035	1.317123833	0.297289743	4.700662683	6.287092129
4.548106255	6.511010405	3.948802822	1.648856805	0.299717099	6.589931762	4.286950753
4.902597124	8.030052115	4.125038516	1.946661124	0.30351901	6.190984136	4.961671384
6.439816107	7.685668813	5.20724869	1.475955782	0.34535498	5.362808096	6.632920694
5.746914694	6.494120225	4.81717433	1.348118166	0.238816177	4.155554584	5.93070226
3.510508699	4.925441086	2.712820699	1.815616155	0.262379158	7.474106471	3.757679266
4.631948187	8.727445993	3.221885037	2.708801181	0.534514309	11.53972988	4.967110065
7.106119623	8.461563118	5.367193118	1.576534127	0.403553493	5.678957213	7.46983403
6.960055139	7.941643029	5.827686602	1.36274367	0.300374058	4.315685033	6.917253526
8.512566992	9.263034455	7.818705882	1.184727319	0.213142677	2.503859022	8.624931624
4.456288219	8.378578347	3.382582144	2.476977052	0.391318658	8.781269036	4.741302851
8.512927711	10.27385876	6.997509577	1.468216463	0.484910622	5.696167506	8.476873693
7.658815826	8.823163067	6.35290925	1.388838203	0.321780129	4.201434479	8.457694479
4.295253412	5.609984125	2.758934154	2.03338819	0.307178037	7.151569596	4.74894419
4.450177986	5.721236189	3.348495568	1.708599003	0.293521929	6.595734596	4.468374781
5.819667834	6.473905469	5.337796306	1.21284236	0.185700114	3.19090573	5.816280297
8.584511283	9.60338219	7.642982074	1.256496757	0.281347612	3.277386477	8.394792716
5.213363265	8.2403145	0.302289966	27.25963621	0.637981178	12.23742038	5.083063905
8.42185047	9.74519232	7.32762243	1.329925554	0.326933262	3.881964698	8.359560541
8.407192084	9.660710376	6.296690925	1.534251957	0.555501227	6.607452545	8.54025459
6.72641715	7.771107674	5.524207674	1.406737062	0.321751788	4.783405199	6.786197286
8.034844933	9.441564475	6.514064475	1.449412193	0.359603477	4.475549689	8.217775597
9.575093132	10.61625088	8.103590252	1.310067582	0.296529223	3.096880826	9.566246848
4.098828546	7.736507182	2.802493267	2.760580114	0.451021986	11.00368022	3.897037007
7.063777316	8.296606547	5.612806547	1.478156512	0.310069631	4.389572567	7.2836002
7.886414401	9.225937534	6.135163318	1.503780267	0.338171402	4.288024752	7.974177524
7.385842064	8.447152439	6.363392439	1.327460552	0.360932007	4.886809165	7.498798453
7.9494828	8.710711168	6.337928838	1.374378191	0.259110065	3.259458149	8.190441366
6.894942881	8.194189579	6.025023449	1.360026172	0.303306779	4.398974499	7.23693525
5.87829399	8.064136849	4.323546618	1.865167087	0.683971944	11.63555183	7.041380817
6.616258208	8.358797843	5.721882132	1.460847611	0.344257672	5.203207935	7.08414053
5.634731099	7.424596253	4.42603911	1.677480941	0.509720179	9.046042669	6.640098963
6.872894028	8.139900032	5.864650647	1.387959918	0.349205222	5.080905081	6.7810901
6.494205305	7.442224002	4.830830551	1.540568216	0.349252626	5.37791169	6.940305153
6.317354484	7.708116111	5.654572455	1.36316515	0.226578296	3.586600951	6.20969549

5.106372156	5.925734639	4.08157975	1.451823804	0.227186886	4.449085955	5.005509117
4.919008925	8.141687194	3.761362122	2.164558192	0.472483617	9.605260423	4.63749245
4.280717544	6.335023692	3.624321413	1.747919947	0.247324225	5.77763477	4.292520187
8.08767634	9.424136109	6.361301722	1.481479188	0.448984934	5.551470105	7.500767462
9.529625069	12.30393249	7.155678978	1.719464013	0.794176016	8.33375931	10.0411178
8.140150163	9.995057854	5.488591187	1.821060726	0.633817897	7.786317011	7.930864268
4.56691534	6.017980103	1.549134919	3.884735945	0.32228293	7.056906164	4.561305523
5.326595492	6.469145356	3.295895356	1.962788456	0.495086522	9.29461459	5.780190511
4.988205395	6.819610466	3.851634008	1.77057593	0.410329458	8.225993634	4.856296239
5.436568933	8.012576622	4.138746908	1.935990965	0.638437894	11.74339738	6.085292503
7.526911476	8.372710712	6.267850203	1.335818573	0.336266383	4.467521432	7.706972611
4.080261042	6.265608797	3.506118661	1.787049841	0.320878999	7.8641782	4.072885508
5.696900514	6.767295493	4.378681038	1.545510037	0.281406637	4.939644572	5.896852766
6.044127221	7.403615779	5.197694466	1.424403806	0.283492145	4.690373562	6.214914304
5.405957573	9.666614802	2.759240447	3.503360793	1.392979782	25.76749379	4.361741913
7.984660691	9.794961115	6.558959168	1.49337126	0.382696902	4.792901254	8.960372376
7.304962493	10.162129	5.934199225	1.71246846	0.399546717	5.469524555	7.602053572
6.35282656	8.425003168	4.179412311	2.015834415	0.5983761	9.419052992	6.594251229
4.157390269	6.60761414	2.747261653	2.40516375	0.310771636	7.475161488	4.284866601
5.22437694	6.607809362	4.455575373	1.483042886	0.27060034	5.179571511	5.303492961
4.061024504	5.202862049	3.388474891	1.535458345	0.245048205	6.034147413	4.097344321
4.602425667	6.256514407	3.361022439	1.861491413	0.333357992	7.243093445	4.639651345
6.547335396	7.225829685	5.47576575	1.31960168	0.228752302	3.493822884	6.183926791
5.102749299	8.181599201	3.806133425	2.149582867	0.526802486	10.32389511	6.565424501
6.977552672	8.172888855	5.588955522	1.462328484	0.304923211	4.370059606	6.887563442
7.866321583	9.127789796	3.747794941	2.435509397	0.601337376	7.644454521	6.686493478
7.374456477	8.744120218	6.29935311	1.388098121	0.341291934	4.628028311	7.151243191
5.045160612	6.293407842	3.488179952	1.804209624	0.298927041	5.925025269	5.606492015
9.156923477	10.77933627	7.054756272	1.527953037	0.469613223	5.128504398	8.576404287
6.881516883	8.061439489	5.680552998	1.419129351	0.308441761	4.482176914	6.460807633
8.12569591	9.115641431	6.986377367	1.304773698	0.258819269	3.185195114	8.021034692
6.881659407	7.691937321	4.77554874	1.610691826	0.308979889	4.489903824	6.770160416
6.03514108	6.660729767	4.743385056	1.404214435	0.228951902	3.793646237	5.799944094
8.301025151	9.827366738	7.191591857	1.366507852	0.281027567	3.385456162	8.680927677
5.67027505	10.70393736	1.878066257	5.699446077	1.20398058	21.23319537	5.537968193
4.440921971	7.370955316	2.862278331	2.575205645	0.602448096	13.56583385	4.497822043
5.65395918	9.192622183	2.135973962	4.303714534	0.866170383	15.31971412	5.621193652
5.203014055	7.407637277	3.208966373	2.30841848	0.478786931	9.202107196	5.275570961
6.392828814	10.35966515	4.081784327	2.538023649	0.985063382	15.40888096	6.989111753
6.38902837	9.450202536	3.067357956	3.080893288	0.906417574	14.18709578	6.986846258
5.281176618	8.244359888	2.801205571	2.943147042	0.628407018	11.89899645	5.503411305
5.025331512	7.507365929	3.120631946	2.405719758	0.567662298	11.29601692	5.636437757
5.171931287	7.46026634	3.558029177	2.096741193	0.538947329	10.42062045	5.158569735
5.230624854	6.880998294	3.676540416	1.871595988	0.335963208	6.423003312	5.624510811
4.976767995	6.588249805	4.375742184	1.505630251	0.318954243	6.408863015	4.9298544
4.119289475	5.891377474	3.11920962	1.88874048	0.267254249	6.487872494	4.371134538
5.040284846	7.728479381	3.235479085	2.388666154	0.484187802	9.606357918	5.029650305

6.197596332	9.824260219	4.433884699	2.21572298	0.814240421	13.13800346	6.831958087
7.503538813	8.752065807	5.923198844	1.477591085	0.30287541	4.036434248	6.9317091
8.093059359	10.42762015	6.374470153	1.635841082	0.586049312	7.241381612	9.3451722
5.001819011	9.384173667	2.805623862	3.344772546	0.821906875	16.43215945	4.853030224
4.860858895	9.455559752	3.077018935	3.072961184	1.259392055	25.90883797	4.534047337
5.096239679	8.275292786	3.3537136	2.467501335	0.62522188	12.26829819	4.590956483
6.799594102	11.18618332	4.342896313	2.575742664	1.056320328	15.53504977	6.363146908
3.898177717	5.286495985	2.470813146	2.139577408	0.287184635	7.367150897	4.084879466
4.451055474	6.649898061	3.001765096	2.215329264	0.3839552	8.626160747	4.737340746
5.464202962	8.321345435	3.823724061	2.176241094	0.655268169	11.99201739	6.596775325
4.801129172	5.75299001	4.131806459	1.392366769	0.227574322	4.740016657	4.816189144
4.691644088	7.087795511	2.645271051	2.679421267	0.418952071	8.929749646	5.040199909
5.223541433	7.677503387	3.459629025	2.21916955	0.529815093	10.14283317	5.86735988
4.691622442	10.7566992	2.249711866	4.7813675	1.025827398	21.86508848	4.541794225
6.810154263	8.995180046	4.697360155	1.91494366	0.467724263	6.868042111	6.590288769
5.855912862	9.277257448	2.887505762	3.212896601	0.894720498	15.27892438	5.712898991
8.003538283	9.049559697	6.729240261	1.344811501	0.359962499	4.497542036	7.746539573
5.064713855	7.290006802	3.19811098	2.279472741	0.602586388	11.89773806	5.340379077
5.400267655	9.591757382	3.662381263	2.618994772	0.978930056	18.12743587	6.197106538
8.171851451	11.37361534	4.332395009	2.625248926	1.071808323	13.11585667	7.166868338
5.819076029	7.120835204	5.074180467	1.403346856	0.230837179	3.966904325	5.886069075
5.372738413	7.925633835	2.965715097	2.672419155	0.523875565	9.750624809	5.118910265
5.129318351	6.78052001	3.330769485	2.035721788	0.27232334	5.309152635	5.211131402
6.751859928	9.049466747	3.913726766	2.312237744	0.6468308	9.580038788	6.934120119
7.305799279	8.376720014	4.111224955	2.037524121	0.530124468	7.256214519	7.502456049
7.798839321	9.103937084	6.08760032	1.495488634	0.406449617	5.211668044	7.670592892
5.807216481	9.009258436	2.464805729	3.655159646	0.898511956	15.47233444	6.223958263
6.075920527	9.960276207	3.364776207	2.96016008	0.871394323	14.34176631	6.6871766
6.433466658	8.044041004	4.988091004	1.612649207	0.490532439	7.624698554	6.871040015
8.87433091	9.760503141	6.751105987	1.445763577	0.374328319	4.218101881	9.009504168
5.761110187	9.621484625	3.04123567	3.163676107	1.101779909	19.12443737	6.485942438
5.504732889	8.360560486	3.952359558	2.115333983	0.497159057	9.031483756	6.24809614
8.27824402	10.12800229	5.698522285	1.777303269	0.820615603	9.912918745	8.409211563
5.567557718	10.54551878	3.207690148	3.287574015	0.951477657	17.08967747	5.573555679
4.988415244	7.178085419	3.829176351	1.87457687	0.417926829	8.377947879	4.949674496
10.46123125	11.70570288	9.015802883	1.298353905	0.292204522	2.793213485	10.4494319
7.556435063	9.620711635	5.131454519	1.874850805	0.743528191	9.839668897	7.618109421
8.414024431	9.741811259	6.911127429	1.40958351	0.529329941	6.291043552	8.491966524
4.996935785	7.246545095	3.024934679	2.395603828	0.527825778	10.56298902	5.43473312
5.101889209	6.759812446	2.853032248	2.369343162	0.487989577	9.564879938	6.399095762
8.078076991	9.341995749	6.943515023	1.345427455	0.366649022	4.538815645	7.152728912
6.453749328	7.209368006	5.503752317	1.309900517	0.239744761	3.714813656	6.596005856
4.373281414	6.133841747	2.206687314	2.779660583	0.409396407	9.361309457	5.568432057
7.788287147	9.307741925	6.662150873	1.397107646	0.492387907	6.322159124	8.2183819
3.817362708	6.468073187	0.291995958	22.15124221	0.419270361	10.98324664	4.347448842
7.126814014	7.826262795	6.180842339	1.26621298	0.28315494	3.973092872	7.146072339
6.608159248	7.754471771	4.494078754	1.7254864	0.327122815	4.950286497	6.835497881

6.844493799	7.900653208	5.901205082	1.338820308	0.295539415	4.317914865	7.062522694
8.391391531	10.02927418	6.983845372	1.436067617	0.498498144	5.940589738	6.081315166
7.226653009	9.973536337	4.204705227	2.371994182	1.111610218	15.38208928	7.016487124
4.849794437	8.354019458	2.846070334	2.935282153	0.666228241	13.73724701	4.977410699
7.305254153	8.662812947	5.314991406	1.629882776	0.492641368	6.743658163	6.83893473
5.784791699	11.0245187	3.131708531	3.520288876	0.892246252	15.42399965	5.50787153
3.771249779	5.367328715	2.164317021	2.479917989	0.288576767	7.652019454	3.828025992
6.306998645	9.680493165	2.669038385	3.62695914	1.128835222	17.89813643	7.334677086
3.779752309	6.749569099	2.508358667	2.690830936	0.437802825	11.5828443	4.155140605
5.937489582	7.430110305	3.816969238	1.946599473	0.597913427	10.07013855	6.98262012
5.017049613	9.147519706	3.260891731	2.805220308	0.527679787	10.51773109	4.819083129
5.186995213	10.1827513	3.316160764	3.070644646	1.172300387	22.60076093	4.795989088
4.111047071	5.633100081	3.294184943	1.710013305	0.275574468	6.70326716	4.209164711
5.477801167	6.253067168	4.701539585	1.330004152	0.227783314	4.158298324	5.888980393
8.649775275	10.18192736	7.821296037	1.301820992	0.293489539	3.393030801	8.837573725
6.233688839	8.196857726	4.199543809	1.951844795	0.337886481	5.420329603	6.599886637
5.285625771	9.205434842	3.585884487	2.567130892	0.47656537	9.016252584	6.075892891
7.728257531	8.738790472	5.4794714	1.594823631	0.378959289	4.903554098	7.771784425
5.931608734	6.582786514	4.583399665	1.436223545	0.286098861	4.823292862	6.162703625
5.913551207	6.438827081	5.20528329	1.236979185	0.224919209	3.803454149	5.724396471
8.921890447	10.47799261	5.891029823	1.778635133	0.761126135	8.530996205	8.693860091
8.737176939	10.41801208	7.738846068	1.346197093	0.33455576	3.829105924	8.218395765
5.510878102	6.861880935	4.266178729	1.608437286	0.371671805	6.744330007	5.42669601
4.992048622	6.613813504	3.518853342	1.879536559	0.496848477	9.952797223	5.741605637
6.473652605	8.184826733	5.266442698	1.554147116	0.517183954	7.98905943	6.694615471
4.866181184	5.98280857	4.058308441	1.474212386	0.237481474	4.880243162	5.170986305
4.749529981	7.17118761	1.370166603	5.233807038	0.663418189	13.96808088	6.82162741
5.90348946	8.926951824	3.037451824	2.938960794	0.882166608	14.94313853	5.265458877
7.162272861	8.077848531	5.051683664	1.599040848	0.348689887	4.86842506	5.812584652
4.897499671	7.35846589	3.616524315	2.034678948	0.518124071	10.57935897	4.697167947
7.186459051	10.84010232	3.488966622	3.106966474	1.256125738	17.47906346	7.655067159
4.903048969	7.296991347	3.35577231	2.17445961	0.363355261	7.41080221	5.03471077
4.196820253	6.396796965	3.044674973	2.100978601	0.298828926	7.120365129	4.171355172
9.799702272	10.81119677	8.756252208	1.234683118	0.339818556	3.467641637	10.30173367
7.99376052	9.879811913	5.265722869	1.876249882	0.637486227	7.974797661	7.609460334
6.658267524	9.039428506	5.464109986	1.6543277	0.44167773	6.633523337	6.930601122
6.803446416	8.51137557	5.854431923	1.453834579	0.300754215	4.420615623	6.897737604
6.39861417	7.144607666	5.373719857	1.329545986	0.313918267	4.906035258	6.072763055
4.364960333	6.744267265	-0.230356394	-29.27753445	0.646001124	14.79970205	6.15186113
4.423515111	7.008335526	1.730832003	4.049113672	0.519120683	11.73547891	5.635153922
4.338961513	5.599063317	0.402183409	13.92166657	0.355848454	8.201235552	4.508556768
9.061467668	10.31016258	7.852560316	1.312968276	0.353176622	3.897565329	8.823278461
7.366659364	9.006386544	5.53133994	1.628246798	0.38311281	5.200631529	7.376722528
5.238692724	8.211556087	2.068053406	3.97066926	0.738599797	14.09893338	5.098521895
8.130245271	11.29883136	5.123005679	2.205508264	1.017856016	12.5193765	8.838516236
4.02446088	5.569758185	3.186597053	1.747870249	0.219136495	5.445114298	4.088445146
3.642974468	4.567696385	2.706704771	1.687548799	0.174998394	4.803722759	3.671619645

4.365986745	6.818021128	3.373033059	2.021332436	0.35232487	8.069765005	4.254708505
6.419711437	7.319943018	5.237015562	1.397731767	0.27000771	4.205916621	6.145903045
7.482646479	8.566523203	5.97659708	1.433344609	0.350201609	4.680183813	7.434948539
6.291674064	7.250535001	4.839742084	1.498124254	0.281757873	4.478265563	6.038987595
6.363747015	7.511247619	5.122295083	1.466383232	0.334538101	5.256935894	6.261962505
8.235072357	9.119865337	6.868401781	1.327800212	0.312037313	3.789126547	7.928700927
3.512035752	5.518862979	0.436781288	12.63530084	0.407566017	11.60483679	3.596225842
4.700229901	5.768520493	3.860571403	1.49421417	0.298598545	6.35284978	5.527561416
6.173112138	7.121386781	5.296111781	1.34464435	0.264556396	4.285624341	6.309827847
4.292412134	6.924539144	3.553317938	1.948753043	0.347108538	8.086561284	4.219482525
4.876030873	10.58883554	2.661694662	3.978230745	1.03585706	21.2438577	4.484124902
7.241063145	11.70565651	0.223172792	52.45109149	1.832079517	25.30125039	7.003923544
6.327427902	8.75036083	3.788330632	2.309819728	0.790039479	12.48594992	5.850157862
6.702006445	8.442230698	5.166130698	1.634149655	0.421346856	6.286876318	6.14012217
5.535233372	6.476402108	4.461801104	1.451521921	0.278609964	5.033391457	5.601216123
4.534971373	5.748768016	3.19223305	1.800861005	0.261622557	5.769001287	4.651950765
7.010406877	8.7945961	4.505082687	1.952149763	0.499541252	7.125709832	7.854121254
5.745467494	7.979384382	3.437380779	2.321355967	0.537085515	9.347986315	4.99073997
5.875045247	7.319513316	4.537016381	1.613287831	0.400402278	6.815305437	5.74712235
4.324356913	5.405269919	3.586662039	1.507047461	0.20018848	4.629323712	4.265743459
3.528665916	4.871525655	0.873306394	5.578254882	0.365938963	10.37046215	4.054392155
4.320884534	5.287096975	3.287286644	1.608346806	0.219460895	5.079073343	4.323292023
6.99698458	7.860113515	5.906741866	1.330702051	0.305239681	4.362446095	7.113190832
7.871319765	10.20162477	6.206974652	1.643574422	0.659772354	8.381978802	6.985176368
8.833595405	9.591617156	7.792070718	1.230945856	0.317194698	3.590776841	8.009389084
8.7570063	9.728583422	7.619262253	1.276840605	0.258625619	2.953356546	8.995419192
5.632158044	8.587933937	3.477065388	2.469879907	0.776489869	13.78672018	4.747879119
7.893553005	9.773501772	6.301671409	1.550938019	0.483461347	6.124762154	8.573465889
7.814815659	10.43178127	4.377281272	2.383164486	0.820831552	10.50353057	8.636535649
6.503335397	7.866043168	5.026686305	1.564856586	0.388720683	5.977251042	6.641682616
8.513902602	14.02841388	7.284591188	1.92576543	0.456769468	5.364983481	9.107341294
3.990007323	5.54915212	3.509861815	1.581017263	0.288539413	7.231550975	4.207400549
4.080612763	4.986478721	3.036255763	1.642311818	0.256629372	6.288991057	4.208031466
4.875415459	5.457778364	3.75434474	1.453723284	0.223911565	4.592666353	4.935745919
6.897648763	8.14894839	5.441402201	1.497582441	0.306026865	4.436683799	6.736165644
4.945227865	6.622549858	3.378337879	1.960298258	0.335985406	6.794133959	4.548396767
4.682214645	6.002582343	3.726592157	1.61074303	0.245915631	5.252122118	4.950948077
6.106047441	6.771232987	5.454216823	1.241467512	0.214817111	3.518104199	6.005518065
7.230670431	8.187169253	5.394806242	1.517602095	0.277997511	3.844698957	7.080688559
8.747274289	10.03364496	6.615803329	1.516617781	0.518501093	5.927573278	7.349203861
10.11936135	11.16778612	8.972969825	1.244603106	0.294113023	2.906438589	10.4718493
8.015803362	10.0942735	6.258354816	1.612927646	0.520297657	6.490898464	7.212794981
8.216556414	9.733104136	6.682131645	1.456586708	0.431323036	5.249438018	7.944808174
7.812284022	8.986480084	6.826773316	1.316358354	0.264919543	3.391063899	7.690725156
7.344637995	8.37895152	6.265395056	1.3373381	0.320139329	4.358816993	7.697394394
8.061528261	9.282095603	6.521420076	1.42332429	0.49250615	6.109339738	7.312242578
7.811687814	9.09671455	6.985086499	1.302305211	0.248952939	3.186928931	7.721635422

4.35840349	6.294049664	2.480682754	2.537224744	0.308619006	7.081010444	4.397688387
7.531600041	8.612769937	6.587766397	1.307388486	0.374835803	4.976841593	7.251676696
8.126378973	9.617226191	7.331893079	1.31169755	0.269230712	3.313046476	7.951747515
6.791418999	7.665302468	5.966981067	1.284619874	0.251148807	3.698031397	6.907844017
6.314589984	6.978197367	5.133388956	1.359374368	0.222273817	3.520003952	6.410083333
5.929595102	8.709851497	4.611677076	1.888651645	0.619892281	10.45420927	7.314659414
5.570528915	8.951951551	4.242097221	2.110265532	0.612295983	10.9917028	6.264722171
5.253347843	9.49362856	3.135362106	3.027920935	1.073460355	20.43383356	5.202864796
4.692824993	7.446952722	3.425661966	2.173872611	0.388867674	8.286430343	4.585841093
3.860226442	4.930191644	3.174975906	1.55282805	0.212735764	5.510965935	3.891435894
4.458739487	5.283530541	3.968944602	1.331218011	0.182698907	4.097546113	4.415827864
4.413748868	5.964864022	2.728044238	2.186498276	0.340046467	7.704254979	4.228572784
5.84390418	7.034822183	4.835293255	1.454890492	0.318983283	5.458393451	5.919809913
5.519189496	7.335073373	4.041031854	1.815148615	0.527685918	9.560931332	5.827289999
9.376495316	10.53895028	7.493039538	1.406498687	0.41372057	4.412315644	9.61395523
6.714626484	8.17048704	6.001737389	1.36135364	0.229260446	3.414343993	6.710127801
4.0877541	6.806116728	2.516639654	2.704446271	0.479226714	11.72347217	3.928178295
5.107966628	8.81102221	3.609387971	2.441140238	0.500130836	9.791192317	5.280069932
4.008819828	6.143072039	2.487880889	2.469198612	0.367619856	9.170276345	4.106791255
7.676044456	13.15652083	4.211174882	3.124192465	1.072438764	13.97124223	8.519830521
9.148325286	11.74629052	5.893171168	1.993203691	0.983419262	10.74971901	10.49782147
4.533184669	7.172193201	3.440579874	2.084588489	0.343038288	7.567269211	4.674991756
8.520889378	11.16177158	2.084414642	5.354871027	1.193053443	14.00151311	9.853928814
8.985670279	11.13440773	6.295248746	1.768700202	0.59633259	6.63648422	9.531860794
8.484455765	10.71629655	6.479829886	1.653792884	0.67685436	7.977581343	8.968165663
5.612605893	7.123995183	2.396272441	2.972948761	0.498591231	8.883417796	4.638115388
5.641103537	7.519727987	4.012786541	1.873941689	0.531126593	9.41529596	5.365347922
4.09764554	6.191553199	2.742543014	2.257595658	0.321387799	7.843230859	4.441192079
6.029086346	7.379055489	4.062424332	1.816416722	0.413447202	6.857543225	6.825618211
6.704084325	8.167957007	5.18699186	1.574700179	0.479505775	7.152442472	7.832082002
9.37589568	12.02868205	6.125150103	1.963818331	0.970245479	10.34829644	10.81526686
5.52195168	8.65476948	3.99634511	2.165671192	0.591827046	10.71771504	6.85023217
6.591601146	8.371937868	3.703833175	2.260344209	0.609577454	9.247790335	5.888950148
3.979565598	4.808288449	3.410300465	1.40993103	0.188783723	4.743827397	3.982844038
5.32533134	9.283284228	3.708351714	2.503345137	0.470401183	8.833275405	5.221688503
5.574023428	12.87092555	2.292467984	5.614440699	1.546274914	27.74073224	5.09192613
4.611231333	9.681788995	-2.1797039	-4.441790922	1.288099045	27.93394979	5.957887623
5.072968731	6.573974914	4.505469725	1.459109775	0.288015553	5.677455709	5.074443055
6.052491947	8.310440144	3.881515144	2.141029942	0.709762445	11.7267805	5.92066383
8.541241742	10.86152947	5.662636786	1.918104565	0.786699721	9.210601272	8.828243182
7.391635362	9.011719672	4.815559289	1.8713755	0.576729433	7.802460545	7.715950365
4.779230131	8.826303366	-0.190494153	-46.33372317	0.890911508	18.64131844	5.361504842
6.227985122	10.84845694	2.242034447	4.838666486	1.609946744	25.85020216	5.942859546
6.950380495	7.686121678	6.251346678	1.229514547	0.218927	3.149856324	7.07620451
8.089306389	8.914959362	7.485462501	1.190969745	0.202123592	2.4986517	8.153852612
8.091504451	10.16160799	6.290626129	1.615357166	0.709199633	8.764743785	8.497030848
6.188051823	6.984902848	4.987065417	1.400603815	0.287107643	4.639709739	6.573341387

6.510619245	8.401380098	4.995594241	1.681757904	0.558783153	8.582642171	7.609113597
5.35840783	7.593773412	3.993683424	1.90144601	0.45884546	8.563093258	5.855925902
9.34766932	10.15786683	8.198541849	1.238984568	0.300353652	3.21313946	9.171199603
8.067941499	8.750603915	6.873566782	1.273080511	0.244462389	3.030046618	7.979322993
9.968805288	11.77649438	8.549532494	1.37744308	0.273789682	2.746464337	10.13412914
10.06286537	10.98280892	8.99118097	1.22150905	0.26787254	2.661990696	10.06046907
8.126014069	10.49492009	5.556820093	1.888655727	0.984863768	12.11988756	7.622067053
10.21216887	11.16471389	9.428168082	1.18418698	0.307380859	3.00994689	10.2665724
8.433040508	11.04620701	6.15244994	1.795415992	0.468927375	5.560596739	8.311469756
10.45993538	11.35211248	9.279235773	1.223388731	0.245777348	2.349702354	10.18417594
10.02655314	10.93479588	8.586590933	1.273473485	0.300157625	2.993627234	10.12225547
5.580054872	7.338268817	4.393217606	1.670363154	0.279423006	5.007531508	5.77954185
6.483137865	7.624917694	5.43388436	1.403216776	0.331559983	5.11418991	6.205651281
4.841954766	10.80663741	2.48860217	4.342452779	0.741406356	15.31212893	4.869933045
3.556588915	4.836504335	2.860146118	1.690999038	0.209402776	5.887741895	3.526918061
4.337346916	6.178421263	3.567525062	1.731850837	0.266488866	6.144052375	4.509251635
5.152854093	8.692571455	2.012600592	4.319074281	0.908880921	17.63839815	5.868483471
3.852427256	5.065011195	1.149247567	4.407241174	0.290325731	7.536176845	4.054682679
3.63150513	4.900188283	1.853272559	2.644073188	0.281804248	7.759984842	3.575750559
6.701654172	8.882045124	4.023781968	2.207387278	0.430220743	6.419620175	5.532914436
8.20616829	9.642286997	4.955011501	1.945966623	0.557291743	6.791132274	5.898163409
5.486186813	7.872074715	4.193324048	1.877287475	0.462391265	8.42828144	5.555556348
4.31749099	5.4147136	3.520125671	1.538215992	0.269803017	6.249069594	4.250238837
4.054126515	5.595311438	3.631751461	1.540664745	0.222167474	5.48003308	3.898117795
6.356691645	7.670771372	5.022655192	1.527234317	0.366134231	5.759823683	6.701184247
4.719106446	7.337991221	3.416790085	2.14762717	0.451025931	9.557443463	5.467405016
5.269777668	6.293852502	4.388274729	1.434243043	0.275309214	5.224304155	5.420863212
4.235556479	8.307777332	2.74759784	3.023651136	0.860933794	20.32634432	4.064601864
5.308059068	10.63374988	2.537249884	4.191053451	1.303675713	24.56030908	4.899009578
7.136477	10.18944678	4.083263178	2.495417596	0.910476696	12.75806951	6.264072126
6.78656268	7.870965176	2.319316246	3.393657587	0.404651505	5.96253986	6.890341197
6.825555759	7.894797424	5.613626783	1.406363075	0.290720199	4.259289785	6.77504927
6.267264232	9.930979875	4.609148625	2.154623486	0.35677095	5.692610637	6.1816217
6.260494264	7.289251336	0.852323724	8.552209838	0.44096541	7.04361975	5.988170475
7.996691563	9.947691491	6.734097106	1.477212362	0.361172656	4.516526035	7.471742274
5.793411021	7.025103296	4.791984767	1.466011191	0.341739392	5.898759663	6.123586823
3.958649536	4.89102895	3.378002619	1.447905612	0.230880322	5.832300138	3.963616193
4.454405299	6.678740432	3.197994354	2.088415329	0.439845473	9.874392728	4.314213471
8.553717544	10.15834167	6.776700374	1.499010007	0.609900035	7.13023351	8.584270041
7.969872172	9.052301576	5.883458932	1.538601982	0.440892563	5.531990393	7.86469929
6.50617593	7.171373991	5.729144469	1.251735583	0.228297937	3.508941957	6.637350543
5.183136315	7.267608881	4.179291202	1.738957285	0.322387665	6.219934133	5.478470503
3.739145375	5.283791355	2.935592673	1.799906167	0.255146649	6.823662177	3.771421141
4.318311888	6.985779449	2.109476536	3.311617517	0.562325114	13.02187356	4.852985114
4.268377047	6.166496273	1.813178469	3.400931777	0.317182711	7.430990914	4.174626816
8.079012183	9.093829543	6.763728657	1.344499462	0.371152102	4.594028245	7.744257678
8.673526388	11.3439311	5.992549483	1.893005828	0.878010046	10.12287283	8.523844171

3.501999792	4.472463279	2.760380685	1.620234232	0.222986987	6.367418632	3.501177702
4.258906248	5.859154213	3.454966779	1.695864125	0.272709585	6.403277485	4.097277056
4.49857002	6.54903409	3.123514505	2.096687587	0.345912802	7.689394651	4.673636035
4.735981471	6.595375403	3.280717183	2.010345615	0.375700223	7.932890483	4.44563046
3.942175775	6.105274526	2.947842689	2.071099163	0.362397678	9.192834075	4.049738768
4.415081624	5.681328011	2.440817402	2.32763336	0.273198217	6.187840675	4.32487695
4.920747291	10.0869641	0.869447325	11.60158161	0.687292792	13.96724422	5.135383147
8.34749181	9.723156713	5.983803658	1.624912392	0.53781809	6.442870537	8.04890546
6.436095341	7.68938627	4.767087722	1.613015476	0.392015188	6.090885347	6.295294313
7.451006658	8.148148476	6.537781809	1.246316979	0.223445922	2.998868901	7.979872258
7.157763524	9.244479298	5.737431575	1.611257438	0.522377575	7.29805579	8.324099386
4.866606239	8.55278655	2.517962496	3.39670927	0.640814193	13.16757843	5.22528647
6.139432334	9.11995028	4.037185748	2.258987039	0.829674792	13.51386817	7.171613134
4.987880768	7.595191766	3.279944624	2.315646341	0.36151632	7.247894179	5.374205625
5.285516639	6.638674982	3.800732894	1.746682855	0.359636795	6.804193786	5.935131853
7.471618797	10.29616337	2.80743463	3.667463262	0.596136644	7.978681198	7.865629595
7.005122645	7.845212542	5.84627328	1.341916836	0.253536673	3.619303846	7.070438033
7.060998999	7.831923615	5.893017467	1.329017546	0.239583304	3.393051096	7.078540542
7.265565475	8.318851487	6.232133106	1.334832127	0.245133932	3.373914022	7.564489428
7.512367382	8.745853049	6.382094384	1.370373505	0.290961471	3.873099602	7.399283937
9.15010429	10.22327879	8.1363252	1.256498302	0.235379689	2.572426301	9.223351784
7.220141116	10.80023124	3.842086954	2.811032485	1.324392563	18.34302878	9.05979895
4.478503933	6.397167921	3.677297817	1.739638245	0.273414231	6.105034969	4.661669161
5.142146035	7.537505135	3.834527819	1.965693168	0.428350627	8.330191785	5.872741322
9.473473285	10.2699869	8.191867604	1.253680771	0.315643311	3.331864684	9.116766874
7.854816078	9.429467899	5.798567899	1.626171852	0.552192156	7.02998199	7.787345745
7.629342502	8.906956817	6.341122781	1.404634025	0.270773103	3.549101413	7.957739716
6.805481103	9.692312806	1.518035136	6.384775012	1.247897164	18.33664872	5.947157848
6.283049728	9.84184884	3.43084884	2.868633769	1.088921781	17.33110238	7.688973692
5.848392879	7.290792568	2.008057164	3.630769432	0.354244689	6.057128792	5.99488446
5.767188799	6.375356641	5.041471722	1.264582446	0.205514604	3.563514404	6.091421902
7.158067747	8.211504992	5.547404992	1.480242565	0.330301249	4.614391212	7.094845066
4.89586227	7.902259959	3.910036528	2.021019472	0.385669689	7.877461988	5.010991299
7.15141157	8.129925293	6.216717045	1.307752184	0.332266279	4.646163568	7.095629411
8.045236084	8.810782773	7.003976847	1.257968575	0.256337822	3.186206332	7.990082095
8.174633198	9.458512421	6.915520519	1.367722414	0.328001434	4.012429995	7.730010999
5.669606523	6.796231983	1.666939078	4.077072805	0.490544666	8.652181848	5.254893431
9.427282519	12.27959792	6.138464585	2.000434758	0.924031307	9.801671955	9.790745203
4.990286672	7.699237984	3.685687335	2.088955813	0.568489789	11.39192649	5.058367874
8.094212587	8.681085064	7.127902544	1.217901761	0.219048629	2.706237655	7.982698353
3.973711429	6.852100938	2.073584088	3.304472184	0.399249014	10.04725737	3.944570067
5.498251368	6.51420834	2.907099891	2.240792743	0.256204547	4.659745971	5.764595605
8.336194275	9.667096629	6.634230093	1.457154258	0.460891807	5.52880357	8.172152082
3.940919153	5.550412135	2.456848684	2.25915913	0.357882443	9.081192218	3.897852016
5.245059207	6.442895376	3.988135737	1.615515569	0.344122345	6.560885813	6.299855806
4.841363829	6.261063469	3.601838469	1.738296573	0.351518499	7.26073295	4.917020623
6.309641815	9.741502569	2.463454242	3.954407759	1.189041162	18.84482823	5.405115455

5.041995246	8.630175832	2.333756414	3.697976267	0.617001977	12.23725821	5.156871901
9.536851897	11.27175807	7.046982203	1.599515615	0.804679804	8.437583098	8.922281559
7.692654601	10.65844036	5.330143214	1.999653655	0.892551679	11.60264857	8.874356206
5.280582963	7.524333655	4.201721385	1.790774058	0.361568454	6.847131392	5.954974956
7.887935047	9.295902679	6.51022832	1.42789196	0.37070921	4.699699072	7.306551951
8.093528055	9.955299455	4.552965402	2.186552845	0.783868681	9.685129601	8.369950558
6.985684521	8.731337595	4.729637595	1.846090196	0.412439088	5.904061173	7.305152851
6.70866196	7.671466303	5.618329195	1.36543553	0.308990103	4.605838023	6.42969196
5.769221126	11.30519983	4.06346944	2.782154509	0.677666607	11.74624082	5.195635388
7.505681692	8.793599707	5.447606255	1.614213527	0.398735037	5.312442667	6.096126407
6.749369631	9.503370041	5.578269371	1.703641292	0.408904493	6.058410118	6.965670283
6.451319758	7.69654413	5.700253499	1.350210851	0.276734915	4.289586087	6.198653742
7.780056223	8.961920117	6.059382908	1.479015314	0.33776333	4.341399598	7.756418541
5.367931467	7.548269613	3.328069613	2.268062418	0.592988505	11.04687176	6.082672706
8.207501613	9.847703943	7.061225281	1.394616876	0.391546098	4.770588128	8.448508275
6.250001574	7.602827321	4.803659066	1.582715846	0.319587702	5.113401943	6.057212172
4.025151864	5.628088197	3.090617393	1.821023919	0.260087496	6.461557344	4.039588743
4.539953114	6.590790114	3.15830609	2.086811704	0.291931416	6.430273802	4.569642016
3.962165541	4.926553406	2.906353272	1.695097927	0.291956543	7.368610421	3.648772285
4.258223043	5.587265598	3.537200401	1.579572816	0.202232139	4.749214337	4.243619789
5.040468791	6.018688103	3.956516857	1.52120876	0.237483105	4.711528135	5.136021242
4.655239058	6.917933082	2.979447416	2.321884603	0.388620369	8.348021744	4.501957154
4.621039461	6.64539096	3.354265304	1.98117631	0.391753916	8.4776146	4.979675256
6.221347101	11.86698281	3.310330681	3.584833042	1.097601678	17.6425083	5.114631774
4.172939315	5.265781614	3.112651308	1.691735146	0.234796003	5.626633531	4.118407099
3.700158149	5.452869611	2.87301083	1.897963473	0.214393964	5.79418379	3.852292443
4.868500811	9.744454857	0.829642844	11.74536118	1.170455786	24.04140066	4.443086943
4.274663065	6.249470589	3.411407499	1.83193318	0.413395903	9.670841815	4.22125259
6.770386121	9.352378196	5.235157303	1.786456004	0.520937862	7.694359706	6.776966809
5.474721777	9.120139305	1.828814286	4.986913856	0.668550445	12.21158758	5.2090272
3.855626841	7.457276767	2.838529026	2.627162414	0.402292354	10.43390274	4.283951272
9.8145927	10.57518839	8.479028377	1.247217006	0.347138488	3.536962755	9.970818271
8.755467005	11.90501315	5.708520227	2.08548147	1.012250568	11.56135438	8.13877393
7.07881581	7.693146255	6.381698346	1.205501394	0.220549656	3.115629246	6.90598185
4.106916393	6.076473685	0.658996189	9.22080247	0.377819045	9.199579655	4.289888804
8.767180027	9.655789644	7.334786744	1.31643768	0.328659478	3.748747908	8.551711442
5.684414717	7.018443607	4.073550025	1.722930506	0.421289535	7.411308918	6.017587737
8.415121303	9.334723755	7.266898126	1.284554096	0.278538193	3.309972405	8.481165952
6.753615996	7.658015903	6.037740502	1.268357906	0.220832549	3.269841647	6.932693999
3.51396128	5.813964461	2.810319902	2.068790979	0.257035234	7.314685993	3.484418312
4.533329194	7.500120448	2.066953507	3.628586914	0.641285045	14.14600655	4.355771918
9.499328172	10.75801676	7.88354717	1.364616274	0.445954813	4.694593189	9.327512881
6.057638803	7.070888613	5.521897966	1.280517796	0.199336543	3.290664065	5.994496554
3.670452218	5.287924326	2.42574597	2.179916773	0.353038553	9.618393932	3.654052769
8.459130974	10.10260167	6.821036422	1.481094814	0.502989751	5.946116125	7.528647262
7.125643579	8.698906128	5.63015409	1.545056492	0.470169186	6.598269767	7.234897731
8.352974762	9.315097166	6.914742594	1.347135781	0.352154639	4.215918868	8.179038362

5.024812737	6.232591375	3.971306695	1.569405703	0.311845504	6.206111964	4.947061988
4.018744587	5.54269245	1.952965275	2.838090631	0.308805318	7.684124027	4.02646942
3.653142867	7.582604665	3.05546462	2.481653565	0.331777647	9.081978436	3.701688069
8.644689114	9.233474317	8.027181192	1.150276055	0.219266126	2.536425812	8.456986973
7.160598474	8.621827756	4.88783149	1.763937193	0.579363467	8.090992247	7.134903812
3.862820567	5.240689557	2.294771944	2.2837518	0.299656871	7.757462869	3.823160903
7.741171273	11.01783731	5.923887306	1.859899883	0.690254295	8.91666481	7.274307312
9.316721117	10.12061628	8.063061746	1.255182783	0.269297828	2.890478582	9.410204456
9.013884724	9.572758604	7.998358589	1.196840389	0.238821972	2.649489969	8.960490525
7.124229541	8.04409888	6.439409468	1.249198225	0.265341599	3.724495362	7.209366461
6.749782058	7.938259463	4.628779705	1.714978886	0.355207803	5.262507742	6.443376844
6.610322815	8.08578447	5.287774857	1.529146889	0.348896121	5.278049665	6.009395882
5.994388097	7.49391794	5.171197946	1.449164781	0.237999526	3.970372326	6.033817776
6.533472895	7.262110976	5.186727072	1.400133625	0.340910309	5.217903474	6.682401503
8.482952043	9.20385494	7.826437723	1.175995423	0.21952862	2.58788001	8.524436795
4.402143144	6.313134929	3.202773492	1.971146241	0.242722225	5.513728597	4.452523954
7.35342195	10.93925622	4.928734453	2.219485818	0.902803026	12.2773184	7.163807487
6.885320049	8.407016143	5.74983547	1.462131601	0.224313259	3.257847969	7.114778207
7.616195019	9.738551989	5.221051989	1.865247082	0.608353321	7.987627935	8.038734553
4.985079079	8.954156113	0.798283636	11.2167602	0.522191138	10.47508234	5.075114071
6.89752847	7.728875547	6.182692005	1.250082576	0.205358216	2.977272467	7.000024119
6.629878196	8.974740431	4.728193804	1.898132945	0.679207404	10.24464378	6.344956037
6.943791556	9.161873384	5.208860471	1.758901671	0.477308428	6.87388762	7.769011537
4.553857149	5.194146818	3.861050253	1.345267862	0.19859201	4.360962655	4.702312977
7.257802498	8.186893536	6.479808365	1.263446861	0.25191913	3.471011102	7.362195009
7.709932105	11.80952419	5.329987254	2.215675878	0.779583643	10.11142034	6.922800964
6.934891289	12.56850789	1.888721856	6.654504396	2.120755476	30.58094766	4.275281195
7.785859553	10.85345598	5.196415977	2.088642639	0.927658251	11.91465431	6.703787676
4.606475345	6.046946082	3.580558364	1.688827682	0.271454431	5.892887951	4.638526147
6.824136624	7.7130598	5.844535916	1.319704406	0.301351722	4.415968478	6.869638266
7.602684953	8.481034903	6.146999849	1.379703125	0.320607187	4.217025814	7.580333976
6.025205775	6.829494929	5.015331425	1.361723553	0.263952805	4.380809804	5.997910123
4.374746692	7.14121316	2.852669479	2.503344047	0.660532767	15.09876603	4.047001701
6.410717287	7.55018981	5.58464981	1.351954029	0.304615577	4.751661374	5.846274566
4.939634682	6.513216208	2.847435443	2.287397322	0.379673847	7.68627382	4.839531326
4.380084918	5.516789305	1.95780302	2.817846969	0.299419763	6.835935105	4.646619247
4.213555315	5.391842086	3.368895783	1.600477555	0.214829498	5.098532746	4.342190829
4.554933025	8.777112772	3.497653067	2.50942921	0.540402651	11.86411849	4.485903283
5.456099698	9.035233921	3.483258949	2.59390245	0.686109858	12.57509752	4.97594455
3.462897654	6.429537571	2.485462585	2.586857517	0.340393263	9.829723449	3.733467634
4.711891122	6.448859774	0.324231595	19.88967109	0.475949653	10.10103249	5.423226172
5.185666309	6.186069617	4.528708724	1.365967651	0.256441647	4.945201476	5.290220371
6.04574797	7.771792561	4.867717273	1.596599006	0.341243675	5.644358257	6.119531123
4.850679048	6.054465756	2.927335549	2.068251369	0.310023844	6.391349353	5.433442579
3.900423416	5.102589478	3.347525085	1.524287152	0.217190975	5.568394814	3.853938589
4.710795666	5.422227414	3.49877929	1.549748345	0.200003632	4.245644387	4.678401171
7.032604647	7.870432071	5.98272435	1.315526441	0.237790801	3.381262181	7.107292331

4.946220344	7.487702738	3.309584121	2.262430101	0.551991094	11.15985653	4.837915472
5.43756356	9.242490105	0.535120791	17.27178284	0.787537957	14.48328738	5.129558697
4.91188064	6.795875041	3.342966109	2.032887807	0.358825842	7.305263873	4.812460588
7.626410303	9.011924752	6.480411812	1.390640752	0.351050899	4.60309484	7.370057369
7.857699905	8.802948951	6.807665618	1.293093616	0.245481583	3.124089569	7.740008764
7.906804872	8.886351754	6.354758425	1.398377587	0.406351745	5.139266136	8.440314292
4.666615361	6.073583643	3.239957081	1.874587685	0.258617707	5.541868924	4.594553808
5.738289468	6.51230694	4.482873699	1.452708101	0.259887398	4.529004667	5.628230805
5.079333838	7.310794728	3.435162232	2.128224006	0.607162547	11.95358617	5.4833309
6.579359617	7.880488504	3.253215672	2.422368911	0.593551393	9.021415877	4.737633819
6.133193087	7.580097966	5.280889157	1.435382895	0.313690927	5.114642929	6.209985533
6.6683664	7.860487507	5.860414671	1.341285207	0.255986689	3.838821587	6.496629855
7.132894252	7.640460582	6.319134954	1.209099131	0.214092743	3.001484893	7.491720699
4.88233297	6.948761555	3.771087411	1.842641339	0.316691946	6.486488076	4.887394433
7.32962395	9.656509887	2.035547286	4.743937886	1.394113021	19.02025302	6.425155694
4.898629929	8.453649592	3.255737785	2.596538834	0.780762203	15.93837898	4.291204632
5.634587251	10.36446783	3.223650227	3.215134118	1.182468337	20.98589096	5.861149265
6.101572067	8.814587192	3.705466749	2.378806177	0.527565091	8.646379743	6.220471121
4.150845679	6.846160929	3.023783376	2.264104295	0.322878164	7.778611602	4.106400221
8.505988192	9.802860155	6.908706093	1.418914052	0.477925961	5.618700034	9.139908937
6.481178045	7.623097656	5.325487805	1.431436506	0.277695187	4.284640615	6.823525664
3.567926218	6.45930727	1.157293537	5.581390603	0.549335934	15.39650487	3.4108061
4.7494949	6.096913074	3.928719129	1.551883164	0.229279915	4.827458919	4.850658832
6.699962215	7.5884769	5.102253864	1.487279368	0.264488162	3.94760677	6.58312455
5.674729832	7.866349773	4.481950462	1.755117519	0.452541222	7.974674302	5.572424004
4.242012843	6.482343967	2.529419002	2.562779817	0.366292917	8.63488467	4.483263614
5.883856334	6.945765615	4.926400586	1.409906786	0.240374441	4.085321391	5.792765269
3.483311799	6.372762195	2.791515535	2.282904076	0.371043554	10.65203391	3.547983652
5.662544112	7.951364189	3.289210755	2.417407938	0.626357467	11.06141435	5.970301062
3.932209267	4.903275145	3.455547142	1.418957677	0.18312459	4.6570408	4.085802596
5.945412928	8.416503626	5.015270293	1.678175479	0.547607788	9.210593009	6.239956132
3.599126345	4.464255534	2.078601033	2.147721214	0.236729389	6.577412577	3.620122998
4.0268232	7.492886599	3.151412515	2.377627989	0.390782864	9.704495194	4.55916172
6.819544903	8.607920549	5.563887215	1.547105507	0.443689163	6.506140358	6.729105159
9.808829177	11.61495736	6.280075737	1.849493198	0.589662334	6.011546573	8.404676055
3.722128825	7.599857228	2.724008382	2.789953687	0.66494989	17.86477365	4.102438447
6.754844662	8.752334231	5.202059231	1.682474928	0.531356809	7.86630686	7.182425293
5.339650804	7.133694971	2.202095749	3.23950263	0.481723279	9.021625128	4.843550527
5.498490726	6.894309938	4.116694777	1.674719723	0.319677792	5.813918911	5.111129577
6.193681685	9.398861987	3.451211987	2.723351107	0.73062128	11.79623554	6.279625985
5.220295166	6.441317802	4.352817802	1.479804139	0.229164205	4.389870634	5.539821391
5.709990226	8.058130812	3.836714915	2.100268326	0.488709516	8.558850304	5.60273611
8.028130455	10.16321175	5.918461751	1.717204939	0.696881079	8.680490219	7.765142412
5.840086574	8.939119995	3.059319995	2.921930367	0.870093041	14.89863259	6.182944352
6.967283049	7.744579809	5.845151237	1.324957986	0.257934328	3.702079072	7.200205046
6.647187468	9.01641108	2.21794425	4.065210872	1.02674783	15.44634983	6.138195637
8.374883409	11.91468662	2.826784351	4.214925917	1.078480355	12.87755665	8.502650237

9.785710385	11.92900917	6.730784179	1.772305998	0.851681013	8.703313095	9.289536424
5.782660889	7.382691581	4.747145122	1.555185568	0.268865617	4.649513818	6.343092877
8.382242498	10.41213407	7.363802453	1.413961624	0.304387393	3.63133604	8.359005673
6.609929084	7.46366672	4.779773255	1.561510624	0.283767845	4.2930543	6.673485972
5.613876907	6.600577787	4.613900699	1.430585142	0.176100533	3.136879135	5.431573705
6.586217666	7.085699438	5.541525101	1.278655119	0.202177991	3.069713176	6.702988292
5.23031962	5.994795166	4.277801306	1.40137298	0.265899798	5.083815461	5.632544863
6.724736751	7.751176501	5.28921912	1.46546708	0.279082907	4.150094161	6.726519056
6.285968228	7.262232273	5.503651516	1.319529816	0.206026044	3.277554657	6.394098575
5.516692574	6.694373833	3.876044464	1.727114819	0.33045278	5.990052476	5.3010968
6.632991171	9.360615339	3.879756163	2.41268135	0.953481597	14.37483592	7.12462125
7.381161127	8.761070122	5.369545136	1.6316224	0.525669104	7.121767091	7.037979113
8.469277448	9.526545487	7.339690485	1.297949213	0.292259523	3.450820034	8.088120643
9.20950357	9.980819277	8.319381088	1.199706946	0.305314404	3.315210221	9.000855111
7.753409871	12.3395639	4.697393291	2.626896054	1.5126276	19.50919177	7.09743899
4.678881127	6.970398919	3.067030019	2.272686891	0.388841647	8.310569062	4.50327869
6.735930206	9.270855243	5.254941515	1.764216636	0.568281626	8.436572358	6.371790382
6.217951889	11.81745377	3.577152088	3.303592767	0.746966973	12.01307096	6.673344905
4.720141323	5.622889056	4.045975853	1.389748545	0.240209305	5.089027822	4.649093557
5.288780618	9.405795927	2.121902783	4.432717653	1.343186094	25.39689564	4.107785166
6.944220373	10.19318201	3.275827398	3.111635863	0.67756523	9.757254141	7.893648013
6.650370838	8.496729768	4.127023696	2.058803243	0.767737163	11.54427598	5.775865992
6.353806363	7.518372167	5.259197083	1.429566538	0.28150018	4.430417986	6.772728536
8.315903927	9.15032527	6.969088184	1.312987442	0.280734227	3.375871461	8.280086197
11.12527647	11.94169091	9.848654716	1.21252001	0.275026461	2.472086526	10.93903549
8.119292047	9.326285882	6.809285882	1.369642286	0.381001665	4.692547855	7.334077306
5.674554805	7.486731526	4.095990164	1.827819703	0.345433096	6.087404356	6.017030973
7.097305485	8.576708167	4.965415374	1.727289163	0.497427242	7.008677343	7.39498035
5.171105657	7.832575952	2.906864433	2.69451023	0.411692321	7.961398365	5.357454271
4.436103915	8.814004167	2.868970789	3.072183308	0.47029278	10.60148248	4.14800509
5.116403221	7.633712301	2.900193718	2.632138762	0.392857456	7.678391229	5.242438414
7.645370272	9.224466432	6.182067677	1.492132878	0.469051214	6.135101346	6.544800674
5.137155028	6.966653502	3.645349954	1.911106914	0.395861173	7.705844405	5.170640064
5.866485014	6.86696783	4.58696783	1.497060386	0.347042204	5.91567529	5.660575064
7.734902879	9.498386968	5.345046624	1.777044736	0.585908177	7.574861465	6.771890039
5.825908617	7.563468681	4.301486953	1.758338166	0.365728815	6.277627047	5.802781491
9.579546874	11.98380595	6.964235584	1.72076401	0.707699764	7.387612099	8.973911757
7.636207362	11.30372238	5.125523931	2.205378909	0.959743894	12.56833201	6.910415801
6.683878696	10.02324607	3.964410538	2.528306786	0.915080535	13.6908609	6.422052811
4.341495718	5.197128027	3.558830538	1.460347148	0.196824701	4.533568935	4.282915929
7.773769303	9.125807672	6.889354938	1.324624403	0.238909536	3.073277929	8.200272677
7.830044356	9.023734294	6.213695769	1.45223304	0.270370901	3.452993222	8.054328759
6.875188234	8.456484644	5.389840688	1.568967458	0.530730194	7.719500564	7.029549328
8.893415826	9.642899587	7.827519587	1.231922767	0.288561257	3.244661696	8.500893666
6.093169988	6.954821686	5.18501668	1.341330629	0.239665337	3.933344021	6.062741716
6.199986113	8.134426011	3.760472976	2.163139069	0.516831295	8.3360073	7.637738331
6.989907189	7.772379276	5.410264494	1.436598762	0.226534036	3.240873302	6.861604245

7.531717543	8.626807946	6.132881442	1.406648413	0.340254015	4.517615178	7.890705541
7.602530042	8.877697186	6.537403238	1.357985252	0.339057413	4.459797084	8.019851258
7.411735373	8.639542483	4.261662359	2.027270524	0.400565171	5.404472111	7.316219231
4.035884255	7.519082663	1.84671392	4.071601228	0.379419219	9.401142237	4.29960405
6.274524588	6.913036738	5.113842064	1.351828362	0.262510303	4.183748093	6.243656729
4.221551064	5.341495737	3.43564173	1.554730137	0.215414044	5.102722682	4.233287325
4.002435185	8.907585222	2.85751522	3.117248567	0.416667408	10.41034742	3.998865108
7.919226858	8.871995905	6.680963525	1.327951555	0.315742018	3.987030854	7.578092321
7.050233764	7.567163975	6.090460294	1.242461753	0.219986347	3.120270261	6.88459988
5.796612686	8.22376124	0.858784483	9.576047774	0.820717475	14.15857018	5.380425733
5.969943117	7.946581501	4.168329884	1.906418571	0.532087495	8.912773289	6.894857998
6.008828719	6.518473527	5.259160694	1.239451294	0.186860791	3.109770641	6.216182989
6.860670033	8.382138551	5.134760673	1.632430231	0.428184119	6.241141424	7.251214709
5.40558618	7.226425533	4.12330076	1.752582689	0.388720197	7.191083158	5.287783802
6.162747296	7.901924126	4.384747247	1.802139025	0.59443251	9.645576583	6.174852125
6.74729245	8.553254398	5.027924275	1.701150202	0.505400327	7.490416801	6.576554059
8.377778691	10.60025917	5.365621338	1.975588381	0.76973244	9.187786743	9.02338037
4.694504761	7.130404249	3.689177171	1.932789866	0.420903541	8.965877397	5.483042606
4.402446303	6.41426624	3.718162	1.725117475	0.240894464	5.471831957	4.378970939
6.573547378	7.649989863	5.300059954	1.443377986	0.333654034	5.07570745	6.686195806
3.972297201	9.68398113	3.167155137	3.057627653	0.458938067	11.55346753	3.977472983
4.063043647	4.964021434	3.362466865	1.47630345	0.229590276	5.650696771	4.069856178
7.237564239	8.88180951	5.906946904	1.503621017	0.515104928	7.117103358	7.285279579
7.860930753	8.69961842	6.930024551	1.255351746	0.303265049	3.857877118	8.657377033
6.820171759	9.251088365	4.442988657	2.082176904	0.590302023	8.655236899	7.036375193
4.502375468	9.389864473	3.22113269	2.915081549	0.68320538	15.17433153	4.546110792
5.595866136	8.065398319	3.238632934	2.490371241	0.720962184	12.88383544	5.571925439
7.53357582	8.51521188	6.646285929	1.281198548	0.272884457	3.622243456	7.267666906
5.964827569	6.993119829	4.712988065	1.483797483	0.315170905	5.283822558	6.220735399
7.35941555	8.417200154	5.995608889	1.403894135	0.392554653	5.334046578	7.141019872
6.886698962	7.772136277	5.760377648	1.349240753	0.311318263	4.520573131	6.690720574
4.856426125	5.467548955	3.623873053	1.508758413	0.202442348	4.168545824	4.66816162
5.296525497	6.209274645	3.903714111	1.590606912	0.288727426	5.451260953	4.843239759
5.845252899	7.84666848	4.845618427	1.619332723	0.355882554	6.088403027	6.265861144
4.179700005	7.519458261	2.673199252	2.812906017	0.391868241	9.375511169	4.19477272
6.589915012	7.608635258	5.463065121	1.392741088	0.279159463	4.236161804	5.815507468
7.885093843	8.970452327	6.22843511	1.440241757	0.412051534	5.225702351	7.949758742
4.93403565	6.467791799	2.085756512	3.100933288	0.316945436	6.423655159	4.765712877
5.04144258	6.181178215	3.68281515	1.678384052	0.398401076	7.902521341	4.94483842
4.020624936	10.81031155	1.822155531	5.932705175	0.682255127	16.96888265	3.884456422
5.07317674	7.341194481	2.922443625	2.512005507	0.647087203	12.75506918	5.083412732
5.418345185	6.717914566	4.11622307	1.632057945	0.314090666	5.796800592	5.782689935
5.785616331	10.53464935	2.622449981	4.017102109	0.642181583	11.09962268	5.980286553
5.886697819	7.057277491	3.214513402	2.195441925	0.329243895	5.593015044	6.224033426
6.67184462	8.735991262	4.152340769	2.103871466	0.834087383	12.50160084	5.744079039
7.284395034	9.439175701	4.855494881	1.944019288	0.59537534	8.173298362	6.516760951
6.435017416	7.583804316	4.152538463	1.826305616	0.435895883	6.773810462	5.070072459

5.814791771	7.230920338	4.788720338	1.509990108	0.344373215	5.922365385	6.165938307
4.417203289	6.003785159	1.775435467	3.381584558	0.321104968	7.269417926	4.374874311
6.449619884	8.230584801	5.155705162	1.596403313	0.397465516	6.162619245	5.74378919
7.698120864	8.970523591	6.293173591	1.425437176	0.349514331	4.540255178	7.924691974
9.273470603	10.61698313	6.911308907	1.536175458	0.733045665	7.904760755	8.633372223
8.397424707	9.250730751	6.972052969	1.326830245	0.272704381	3.247476343	8.21616823
6.055050661	7.446794472	5.130927259	1.451354521	0.28883255	4.770109547	5.804410474
5.762570668	6.70133128	4.89676346	1.368522563	0.286437433	4.970653718	5.27230093
5.510325919	6.964808921	1.971027957	3.533592153	0.552120032	10.01973459	4.742637216
4.551518859	7.063996635	2.266140204	3.117193112	0.527734887	11.59469846	4.083839381
7.629464791	8.342277808	6.775954612	1.231159045	0.261300183	3.424882221	7.739287484
5.964097612	7.556032632	2.701024856	2.797468752	0.351780265	5.898298247	6.265777707
3.906201799	6.666801452	0.569939913	11.69737599	0.554811414	14.20334746	4.894510158
4.167937006	6.231379297	2.39380046	2.603132299	0.430283509	10.32365673	4.324489089
6.818390957	7.478828945	5.971179932	1.252487621	0.212978566	3.123589818	6.85441288
6.073375182	7.131092406	4.784395322	1.490489796	0.304756926	5.017917	6.041228065
5.041152463	6.910131213	4.241014089	1.629358231	0.288335722	5.719639	5.00879335
9.298543152	10.11970247	8.240053943	1.228111192	0.283377528	3.047547597	9.490693674
7.436444245	8.253625254	6.207388242	1.329645405	0.285510719	3.839344584	7.374291545
5.003959534	8.129425079	3.238448948	2.510283537	0.478560631	9.563639111	4.842115356
4.075230466	5.343045064	2.749523786	1.94326199	0.256269587	6.288468562	4.144723701
6.314448422	8.334474265	5.000251001	1.666811179	0.280847039	4.447689169	6.463633097
4.205955953	6.89437283	2.842213574	2.425705405	0.315303937	7.496605781	4.119552282
8.218308679	9.226081694	6.518484093	1.41537228	0.368189193	4.480109076	8.534938904
7.98267822	9.092543326	6.529726612	1.392484535	0.358996979	4.497199671	7.701350056
7.116169547	8.783743505	5.961810172	1.473334986	0.384243199	5.399579038	7.375743509
6.463623987	7.825419922	5.126307644	1.526521712	0.387146478	5.989619429	6.675100628
4.56446393	6.205110546	3.304518639	1.877765334	0.352455858	7.721736081	4.533117573
5.660797234	7.565628826	4.866202515	1.554729546	0.271874923	4.802767373	5.627966525
6.096120748	7.848535226	2.360038285	3.325596571	0.603590612	9.901224675	5.942090534
6.951025431	8.771874089	3.929424089	2.232356165	0.569096477	8.187230542	6.606192029
6.365399818	7.53249722	5.21579722	1.444169875	0.335060513	5.263777958	6.511523124
6.308040573	9.997429601	3.300112291	3.029421037	0.957809111	15.18394024	7.476491093
6.60452714	9.679550028	4.257596595	2.273477492	1.039276345	15.73581761	7.587612549
6.422202498	8.070249649	0.666345202	12.11121446	0.600219628	9.346009068	5.507581798
6.728971198	7.298943308	5.928711042	1.231118072	0.216472354	3.217020065	6.916907911
6.285825775	7.883529994	4.922829994	1.601422353	0.380349061	6.050900468	6.793172885
7.207376066	7.771951687	6.492514556	1.197063421	0.206602726	2.866545658	7.582627366
4.374827314	5.360740092	3.690550411	1.452558425	0.233777691	5.343701009	4.36585493
7.103786311	8.155178936	5.79334504	1.407680516	0.339121223	4.77380946	7.411366434
5.741634402	7.047198501	4.714439571	1.494811503	0.240918236	4.19598705	5.955327818
5.740720814	7.607772273	4.090945362	1.859661179	0.663583998	11.55924525	5.121880561
5.30211096	6.429724564	3.999823447	1.607502093	0.224921828	4.242118463	5.377017388
5.941819069	6.638001917	4.979714107	1.333008637	0.225376982	3.793063694	5.667556671
5.200985258	7.161104421	3.637028861	1.968943524	0.573573851	11.02817683	6.153818783
4.207411943	5.902437831	0.584509314	10.0981074	0.359392294	8.541885103	4.27844524
6.308255588	7.947037242	3.735315282	2.127541223	0.427910227	6.783336868	6.744699466

6.183370548	8.071591605	2.870182832	2.812222105	0.497392696	8.044038309	6.278941359
4.044131593	5.993173335	1.805192328	3.319963885	0.491013904	12.14139284	4.573097472
7.480790067	10.08860445	4.551694157	2.216450425	0.778449044	10.40597366	7.780880201
4.666365858	9.396885618	1.688231518	5.566111946	1.295777893	27.76845905	4.525790271
4.643431968	7.792766174	3.839831377	2.029455309	0.302257268	6.509350619	4.63761743
6.583435465	7.713737731	4.695559992	1.642772693	0.389461948	5.91578592	6.200473613
4.609791237	6.536651607	1.954359892	3.344650919	0.498611913	10.81636645	4.410620299
3.635107038	5.011801601	2.870277589	1.74610345	0.23875706	6.568088849	3.578941171
4.993921444	6.841031454	3.939217899	1.736647129	0.357447872	7.157659093	5.072387537
7.772289008	12.55053269	5.018076501	2.501064438	0.837797474	10.77928874	9.01970559
6.133866763	8.184858419	4.256739905	1.922799748	0.498961762	8.134538644	5.169406513
6.010103037	11.01054368	2.135143681	5.156816273	1.485904764	24.72344908	5.986661536
5.291275523	9.769034652	2.867634652	3.406652464	0.6826879	12.90214235	5.465172099
4.136820179	6.321137762	1.883755045	3.355604955	0.47884478	11.57518961	4.221667803
3.751044213	6.760195542	3.217484211	2.101081186	0.312825374	8.339687723	3.775232952
4.746748192	5.340004899	4.015398757	1.329881594	0.194073499	4.088556862	5.124955761
4.828528246	6.999626565	3.876760003	1.805535179	0.295044421	6.110442068	4.859205675
7.4286258	8.751742986	5.992628745	1.460418017	0.390595542	5.257978428	7.659943282
7.970662106	9.487354063	6.537766809	1.451161282	0.398199765	4.995817915	7.864869687
5.320741872	7.108348514	4.509987738	1.576134776	0.313983463	5.901121882	5.909975117
6.023751523	7.445402566	1.956311138	3.80583764	0.454286307	7.541584437	6.214514451
6.855866293	8.012394397	5.216073043	1.536097047	0.347109212	5.062951886	6.615400212
6.297051877	7.061203012	5.273952109	1.338882657	0.261106406	4.146486505	6.710689096
6.04648394	9.379781605	2.36541916	3.965378215	1.186800368	19.62794212	7.795818025
5.860215474	9.066064859	4.442183335	2.040902902	0.643365924	10.97853701	6.46482083
7.000755395	8.396556512	5.449456447	1.540806243	0.328130266	4.687069424	7.273700843
5.935393387	7.03453299	4.823563541	1.458368472	0.282351095	4.757074663	6.193092206
8.333302556	10.72478747	6.30491442	1.701020308	0.676282819	8.115423797	8.723952913
4.586928025	7.35244756	3.252414778	2.260611903	0.489978989	10.68207276	5.090122071
11.31980329	12.96250199	9.851175046	1.315833079	0.322511448	2.849090566	11.19815437
6.341006106	9.679222082	4.208734723	2.299793814	0.750774641	11.8399924	6.463379994
7.554356315	12.21425389	5.182522877	2.356816203	0.858245238	11.36093139	7.891261945
6.869938177	9.261932687	3.713448061	2.49415975	0.926418461	13.48510623	7.073004317
7.518032291	10.48156352	3.416763887	3.067687398	0.671146979	8.927162764	7.252323978
5.14861415	8.68604627	2.177273962	3.989413562	0.836598432	16.2490023	4.833432271
7.79825435	10.49669014	4.272721474	2.456675495	0.956917013	12.27091308	9.031716188
4.573916531	7.606379645	3.095941665	2.456887264	0.523170745	11.43813494	4.313724149
5.7402621	7.897415289	3.678515289	2.14690294	0.583888308	10.17180571	6.789761059
6.070413537	8.687955941	3.961212508	2.193256717	0.829344536	13.66207641	7.377912988
5.480610736	9.080473151	3.235163267	2.806805221	0.83789291	15.28831276	6.908591127
8.078839831	9.254645734	6.404496054	1.445023255	0.416590937	5.156568833	8.218258588
6.102024424	7.407568652	1.572643602	4.710265341	0.426861655	6.995410462	6.082029249
4.778896468	8.918557497	2.611542265	3.415053862	0.698448904	14.6152759	5.197462132
4.429163676	6.796268145	3.155756255	2.153609974	0.267207461	6.032910066	4.516193716
7.774409711	8.77316485	7.03203911	1.247598984	0.286408034	3.683984315	7.696771745
7.059702524	8.505557963	5.95682463	1.427867781	0.385501916	5.460597162	6.853021257
5.764413224	9.080680105	4.52630844	2.006200025	0.480369441	8.333362337	5.609707362

5.915978136	7.02824746	4.501778346	1.561215795	0.301097433	5.08956298	5.77455151
6.144668597	7.846370879	5.069784489	1.547673455	0.390133119	6.349131987	7.056718152
6.174577921	7.707336021	4.949149818	1.557305053	0.453749007	7.34866436	6.048294612
6.308351856	7.656545669	5.478866607	1.397468896	0.297799215	4.720713459	6.166369465
3.953646979	5.2781566	3.173029758	1.663443776	0.230221084	5.823005577	3.959629206
3.71851533	4.665253742	3.033815412	1.537751349	0.20304226	5.460304509	3.786019848
5.619717136	7.215436599	4.524979725	1.594578769	0.311807178	5.548449687	6.142574404
5.170773167	7.390217985	3.935317777	1.877921531	0.447125608	8.647171206	5.113159756
5.14204499	11.99155836	3.143958362	3.814159407	0.680617522	13.23631985	5.031449256
4.384459549	5.356022682	3.855819195	1.389075164	0.180651412	4.120266367	4.318722456
4.154531265	5.829438358	1.859359352	3.135186511	0.397533699	9.568677515	4.098016354
4.075273672	6.932847361	1.304966765	5.312662012	0.493874113	12.11879625	3.983754129
4.285925225	6.803383125	3.157461052	2.154700569	0.434928468	10.14783146	3.918772142
6.382696926	9.040008226	3.267737082	2.766442954	0.446299733	6.992337853	6.694963308
3.960958242	6.87630269	2.065454389	3.329196096	0.457089062	11.53986067	3.522885626
5.252073319	6.875165061	3.487648984	1.971289282	0.424398404	8.080587962	4.659172544
4.381579488	5.648309257	2.672455069	2.113528239	0.246461967	5.62495712	4.566530614
3.437677175	4.360483948	2.932006513	1.487201317	0.175238569	5.097586555	3.497128681
4.632891675	5.880506793	4.126058351	1.425211738	0.25009809	5.398315075	4.707690132
5.966774407	8.302329709	4.379535836	1.895709961	0.504487859	8.454951106	6.720161964
7.233773784	8.65932729	6.222302855	1.391659566	0.341754533	4.724429366	7.467912165
6.030564661	7.428938946	4.914334311	1.511687744	0.368241268	6.106248567	5.266648141
8.273264514	11.73466649	4.906412835	2.391699777	1.138271363	13.75843068	8.144156295
7.052539769	9.807907662	5.150774329	1.904161789	0.772339362	10.95122307	8.433753608
8.602712438	9.640887342	7.383506616	1.305732878	0.375408718	4.3638413	8.110833434
6.166647716	7.971495534	5.170341567	1.541773484	0.281868608	4.570856343	6.192511047
4.462537718	6.167119589	3.570872522	1.727062378	0.301708146	6.760909711	5.094726329
4.769013175	8.782570424	2.426232437	3.619838846	0.669309291	14.0345448	5.148857867
6.225616392	8.412511293	4.15302947	2.025632458	0.562868741	9.04117288	6.843373109
4.325966783	6.494013008	2.367440877	2.74305182	0.369410058	8.539364171	5.944388566
4.905895839	7.029140011	3.203414902	2.194264629	0.445499044	9.080890805	4.691968581
4.855342606	7.318552793	2.974221518	2.460661638	0.390745887	8.047751076	6.364272665
6.775938531	8.067657393	5.505800254	1.465301504	0.357631563	5.277963501	6.39296065
7.612135234	8.60110885	6.352690177	1.353931738	0.326166386	4.284821227	7.409598445
5.050407694	6.916742582	3.964674445	1.744592823	0.312793406	6.193428825	5.273063648
7.65581458	8.969403774	6.355368972	1.411311257	0.374909086	4.897050242	7.661994129
3.848468031	4.97979354	3.30338865	1.507480369	0.212814259	5.529843492	3.766662821
8.113178606	9.640024932	6.04351389	1.595102635	0.565014924	6.964162271	8.584996605
8.13775614	9.111657502	7.002757502	1.301152796	0.319590488	3.92725565	8.180034018
5.665954713	10.20982065	3.420697008	2.98471938	0.825026075	14.56111311	6.284411372
6.791434063	7.525848473	5.76300934	1.305888648	0.227176888	3.345050332	6.639965535
6.419111219	8.402454043	4.09327156	2.052747764	0.51942449	8.091844371	5.906514042
5.067954736	6.753334228	3.41622885	1.976838942	0.344047463	6.78868461	5.201672568
4.849817962	7.836208801	2.785545209	2.813168774	0.646343779	13.32717608	5.999847098
5.205230299	7.604107573	2.77218496	2.743001525	0.769496369	14.78313781	5.252441316
4.284521194	7.247950808	2.35442216	3.078441468	0.570890699	13.32449236	4.585031152
6.058646857	7.3977752	5.305350875	1.394398858	0.294575507	4.862067625	5.804785422

4.350909453	7.883187996	2.863346523	2.753137957	0.506163667	11.63351416	3.996761497
7.787875704	10.57075187	5.125337123	2.062450063	0.785589472	10.08733962	7.025432942
8.189982797	9.092671036	6.896534521	1.318440589	0.331227454	4.044299756	7.706686824
4.302708936	8.197222257	2.566466213	3.193972403	0.416224796	9.673552223	4.208334387
9.899918193	12.55285996	4.109059613	3.054922816	1.427241049	14.41669539	10.71772152
7.981172047	9.019177937	7.166479019	1.258522897	0.253833878	3.180408551	7.827135503
7.471849914	9.857673609	4.528504648	2.176805453	0.805948749	10.78646866	6.773477049
6.133554303	8.208941508	4.225494968	1.942717142	0.511365	8.337172464	6.678337624
4.514920796	7.590115628	2.779073357	2.731167786	0.402853712	8.922719366	4.731362004
9.219598388	11.82161401	4.515009732	2.618292034	1.177181868	12.76825539	8.386737308
7.697623058	11.2467372	4.285660504	2.624271613	1.250110667	16.24021673	6.444863781
6.493110073	8.450485986	4.234861582	1.995457425	0.554523295	8.540180118	6.987328412
6.384654138	7.460544261	3.532350953	2.112062012	0.336978631	5.277946517	6.403872202
5.16266083	7.309407305	3.389028272	2.156785579	0.489119488	9.474174357	6.025106648
4.290254897	6.545635641	2.809086594	2.330165134	0.343673369	8.010558277	4.91424019
5.263859539	7.270905224	4.381507044	1.659453049	0.261015438	4.958632265	5.302078056
5.472669414	6.019903775	4.747097452	1.268123066	0.173657235	3.173172384	5.536778587
5.577142978	7.329033712	2.739302829	2.675510584	0.57220391	10.25980348	4.927766052
3.825844872	5.331321932	2.302826176	2.315121301	0.234816372	6.137634431	4.550692018
3.92043045	5.014599744	3.166199717	1.583791356	0.223384837	5.697967093	4.001596766
10.78240142	12.27203468	9.113649615	1.346555464	0.378956107	3.514579849	10.565743
11.34820533	12.51866852	10.07890133	1.24206678	0.319591106	2.816225977	11.71440585
3.313527945	4.406001857	2.553801055	1.725272158	0.216437389	6.531931903	3.367103732
7.657394995	8.978547757	5.683781091	1.579678671	0.388818672	5.077688596	7.055250207
7.069728343	7.898104404	6.079794927	1.299074146	0.284168395	4.019509396	6.945902301
5.343463437	7.271708812	4.456763276	1.631612083	0.303347878	5.676989875	4.938550736
5.123575406	6.240683273	0.900157351	6.932880421	0.411412615	8.029795253	5.602407148
4.503477602	6.272252969	3.984766626	1.574057795	0.199470345	4.429251414	4.516408511
6.596258229	8.25804651	5.017343552	1.645900151	0.40648226	6.162315754	7.123208688
6.352236621	7.106233887	4.910453935	1.447164352	0.289289294	4.554132842	6.377355737
5.861502508	9.192810731	3.809626002	2.413048086	0.813892603	13.88539204	5.507463405
5.101861773	8.100674285	3.331149635	2.431795378	0.757102485	14.83972947	5.955064766
7.492225529	8.716661171	5.515361171	1.58043343	0.48744832	6.506055086	7.095961809
8.468980408	11.29715955	6.581539981	1.716491822	0.6590623	7.782073734	8.53609206
6.247223319	7.073897428	5.370914178	1.317075119	0.201064416	3.218460521	6.137770024
7.76538966	8.697261921	7.040390025	1.235338084	0.20943594	2.697043542	7.753770539
7.327109245	9.200115554	5.604662871	1.641510964	0.376351449	5.136424693	7.433960021
5.279805352	7.382966253	3.631173878	2.033217494	0.301308008	5.706801436	5.089188253
5.861547939	7.328152629	4.065018548	1.802735349	0.37470462	6.392588174	5.875656082
6.147839343	7.083461126	4.685562979	1.511763081	0.346147959	5.630400201	6.041376585
5.926810002	6.838031777	5.127763141	1.33353113	0.263021779	4.437830453	6.285313517
3.763132236	7.991971761	2.443776401	3.270336745	0.427367549	11.35669762	3.690017118
3.391666214	5.288756513	2.007274128	2.634795337	0.323074035	9.525525653	3.458246311
3.43321297	4.511498516	2.287471267	1.972264562	0.236956172	6.90187803	3.330754244
4.891949963	7.899282234	3.438205082	2.297501762	0.717414435	14.66520386	4.253097474
4.870666698	6.772624301	3.536808347	1.914897172	0.49310343	10.12394115	4.681042684
3.853722055	5.402774368	2.658770183	2.032057679	0.250425928	6.498287224	3.967719231

4.099155247	7.628074634	3.076696925	2.479306484	0.360311007	8.789884393	4.312978523
3.629741726	5.104312648	2.627887737	1.942363281	0.24723726	6.811428435	3.80045229
3.566488601	5.562319898	-1.261451978	-4.409458305	0.44517674	12.48221401	3.703916339
6.861128277	7.726447891	5.500899259	1.404579056	0.240520351	3.505550999	6.780505862
6.707571444	8.114949739	5.667388186	1.431867639	0.374634553	5.585248788	6.765929858
5.9204211	7.240894626	3.017869626	2.399339774	0.615772587	10.40082413	5.84775281
5.108902041	5.920944205	4.229347284	1.399966427	0.243732104	4.770733566	5.282825531
5.720771318	6.606896915	4.863541825	1.358453808	0.27791274	4.857959256	5.573868327
5.818115323	6.608275785	5.049554304	1.308684963	0.208605165	3.585442258	6.043319175
7.36732938	8.33607105	6.211331971	1.342074629	0.334916794	4.545972864	7.535378849
6.368337466	7.672083432	4.628253733	1.657662668	0.341467915	5.361963264	6.709746925
6.22549339	7.945147574	3.778082876	2.102957461	0.451636975	7.254637447	5.660020967
5.91230564	7.038116472	4.367066892	1.611634684	0.272953865	4.616707621	5.725671776
6.467583857	7.847539033	5.124870516	1.531265816	0.31992808	4.946639851	6.261948527
4.932542693	9.185299416	1.354337488	6.782134805	0.894860615	18.14197403	4.932421224
10.95596763	11.66230702	9.682553277	1.204466083	0.272170538	2.484221813	11.37278854
7.240041057	9.069234833	4.889134833	1.854977443	0.560189507	7.737380248	7.225075561
8.785474483	10.41603052	7.187174105	1.449252567	0.418585587	4.764518842	9.285981772
5.677833633	6.573014213	5.089872701	1.291390689	0.183247832	3.227425176	6.049450612
5.506388152	10.89271198	2.105661591	5.173059158	0.676533746	12.2863432	6.027946573
4.17392566	9.027263871	2.071544326	4.357745937	0.532860155	12.76640262	3.910719937
8.132059261	9.511653118	6.418581831	1.481893254	0.455497923	5.601261722	8.03146001
6.714572623	7.864457325	2.261749821	3.477156161	0.388577567	5.787078184	6.319963141
4.684508577	5.766205461	3.941316129	1.463015214	0.227656453	4.859772358	4.805470605
5.159170788	6.265652951	3.568098624	1.756020113	0.264939072	5.135303377	5.158509058
5.669303327	7.767957146	3.409367993	2.278415578	0.586592321	10.3468149	5.909176277
4.423769303	6.48471624	3.562759094	1.82013885	0.236811535	5.35316195	4.38200283
5.726944927	7.093428238	4.498899648	1.576702926	0.354923191	6.197426298	5.346853948
8.025661363	9.214264821	6.20863543	1.484104668	0.364782648	4.545203588	8.650433832
7.331771014	9.983597076	3.810144926	2.620267016	0.90700767	12.37092195	7.846538714
4.089172783	5.570726576	3.072160268	1.813292957	0.33219557	8.123784133	4.069092716
3.190753115	4.56164254	2.31367925	1.971596772	0.196401455	6.155332246	3.243823332
6.360796572	7.40477226	5.775532326	1.282093466	0.268759495	4.225249017	6.318487101
3.651525012	6.76802959	1.551098449	4.363378478	0.345943091	9.473934584	3.855487106
4.56537678	9.749682063	2.474834229	3.939529342	0.510763692	11.18776646	4.488618166
6.293969718	8.231865494	4.807455836	1.712312245	0.583820094	9.275864355	7.045316506
7.059940886	9.007542627	5.368828928	1.677748118	0.50254959	7.118325748	6.634662249
4.468779155	6.37514149	3.037364462	2.09890567	0.329353897	7.370109061	4.405283919
4.927897225	7.092100646	3.744133177	1.894190273	0.307798062	6.246032498	4.762831342
6.842390352	8.213607475	5.181836874	1.585076427	0.549535049	8.031331466	6.483755271
4.357847453	8.644699085	2.244697925	3.851163664	0.738032718	16.93571714	3.999668254
8.26946918	9.284171494	7.447608725	1.246597644	0.246551074	2.981461916	8.499813483
9.360514953	10.17925312	7.977152563	1.276050952	0.337170094	3.602046424	9.637732763
7.251490393	9.669602036	4.212302036	2.295562368	0.838933267	11.56911506	8.201657114
4.373018678	7.945675445	3.412869137	2.32815122	0.379037873	8.667648151	4.409076212
7.769496563	10.02783645	6.50445645	1.541687077	0.433369825	5.577836627	7.44591978
4.216779646	6.031213417	1.698406258	3.55110174	0.341154362	8.090400499	4.113210393

5.843214986	9.151628326	3.803943181	2.405826767	0.734447375	12.56923418	4.960617682
6.536093977	7.650734517	5.575834517	1.372123669	0.269679047	4.125997087	6.611751469
6.600561876	8.488553832	4.651213968	1.825018993	0.617486515	9.355059868	6.492051614
5.329719897	7.916454564	3.183782794	2.486493293	0.76486116	14.35086975	5.250914279
4.242202714	5.742285307	3.170074032	1.811404166	0.324627018	7.652322153	4.192430263
3.606650766	4.930704679	2.798544253	1.761881976	0.272292906	7.549744183	3.716281181
9.983553379	13.12473217	6.754209699	1.943192875	0.64728707	6.483533923	10.06464342
7.408983762	9.586912851	5.118559513	1.872970867	0.696763967	9.404312249	6.649047367
4.655675493	6.523286436	3.610403272	1.806802715	0.407798785	8.759175458	4.691951103
4.428274783	5.411840396	3.92052551	1.380386477	0.208438013	4.7069801	4.409018181
4.714266705	9.112866446	1.214968695	7.500494855	0.445984456	9.460314492	4.648548093
5.372851083	7.340293195	3.644566977	2.014037125	0.588947078	10.96153735	5.334070439
4.264622494	6.005057031	2.94007144	2.042486774	0.31519084	7.390826283	4.969921196
3.780686043	5.531352071	2.238470043	2.471041365	0.286666428	7.582391792	3.858072011
7.030604814	8.329402453	5.150986578	1.617049924	0.385368301	5.481296575	7.81199923
4.562418271	7.8669443	2.68507079	2.929883386	0.565572636	12.39633464	4.609364686
6.499809559	9.10810639	5.742032658	1.586216403	0.340321068	5.235862145	6.205184837
6.904668372	8.882705705	5.283453207	1.681231073	0.43052385	6.235257465	6.99750052
5.564494411	10.99521233	3.454736592	3.182648527	1.037136993	18.63847668	5.544784566
5.748656699	8.046684603	5.032502923	1.598942857	0.2627909	4.571344469	5.704599992
8.235095552	9.257170718	7.373125968	1.255528626	0.284146716	3.450436181	8.056005559
4.667025026	6.907423891	3.198748785	2.159414307	0.417612449	8.948151054	4.506701542
4.434283146	6.685734588	3.124718441	2.139627846	0.278163473	6.27302009	4.530591158
5.934961597	7.606491818	4.111441818	1.850078915	0.477709362	8.049072497	6.27626796
8.906339519	9.902171192	6.848692624	1.445848388	0.317436563	3.564164186	9.087158745
4.581609335	7.179714942	-1.005921776	-7.137448572	0.478381818	10.44134895	4.523525815
4.726213548	6.605888009	3.170305685	2.083675413	0.581208974	12.29756059	4.731953208
6.561416229	7.987988044	5.090710828	1.569130189	0.43202345	6.584301844	6.447478792
7.99404138	9.873785147	6.184818481	1.596455123	0.623610359	7.800939841	8.607659053
8.179828137	9.138718376	6.675324799	1.36902977	0.40572581	4.960077439	8.425036028
6.078776621	7.670164226	4.887247348	1.569424193	0.424701645	6.986630228	6.574524076
5.866949724	6.859652541	4.960375263	1.382889837	0.30614814	5.218182431	6.105687334
7.792959052	8.643030144	6.83924239	1.263740872	0.298244095	3.827096908	8.129508833
5.470677035	8.974716969	4.387716969	2.045418388	0.468990661	8.572808405	5.349749969
7.805602316	8.98008275	6.456709272	1.39081417	0.345139744	4.421692647	7.649650534
6.468263556	7.363789136	5.517416057	1.334644526	0.241477183	3.73326134	6.92763336
5.461339629	8.847666481	1.572076553	5.628012494	0.664162142	12.16115801	6.78059623
6.458584442	9.761847846	4.715919714	2.069977531	0.6870667	10.63803851	6.610454517
7.22377198	7.89839837	5.945479923	1.32847112	0.291159716	4.030577336	7.885336049
4.969772063	6.244178143	3.679144777	1.69718196	0.442411601	8.902050139	4.368049179
4.805621887	5.952883325	3.829205322	1.554600191	0.224917177	4.680292836	4.7264458
8.904486901	9.983486983	7.615186983	1.31099696	0.33910375	3.808234586	8.3854112
4.076204208	5.737965321	3.405931118	1.684697994	0.2321727	5.695806401	4.057653165
3.787802063	5.328549162	1.9226844	2.771411243	0.261490002	6.903475899	3.803046446
5.378614307	6.533414521	3.913929351	1.669272471	0.352743148	6.558253264	5.247141902
8.925376421	9.677962596	7.514488404	1.28790705	0.292157981	3.273340725	9.292711431
8.383241276	9.442748683	7.154465315	1.319839886	0.322648225	3.848728845	8.438823065

9.866669756	11.18139175	8.878569354	1.259368633	0.293185227	2.971470966	10.02891808
5.849623352	6.996387329	3.580675897	1.953929239	0.356507424	6.094536395	5.484627463
7.07646091	9.852850604	4.10241774	2.401718018	0.671734758	9.492524112	7.432012691
4.299621144	5.6032854	3.305702192	1.695036357	0.276715579	6.435813064	4.418244701
7.997403704	8.811158592	7.095073128	1.241870018	0.290244741	3.629237088	8.121299512
5.946515276	6.90400417	5.132556898	1.345139334	0.226489876	3.808783215	5.894400531
6.933103813	8.08405597	5.673722637	1.424823963	0.300974242	4.341118354	6.837829679
6.610067518	7.180724975	6.000516603	1.196684461	0.181564656	2.746789733	6.739488056
7.77512947	9.190865975	6.707631381	1.370210355	0.372507654	4.791015451	7.677213253
7.87802844	8.622883603	6.733309971	1.280630721	0.270470768	3.433229145	7.497566518
7.438165062	9.551356484	6.041156484	1.581047687	0.44211799	5.943912056	7.546789567
8.46392659	9.498769902	7.437189902	1.277198784	0.238399451	2.816653106	8.528240559
7.262026311	10.25067133	3.431938703	2.986845691	1.161384716	15.99257103	7.795495136
4.470381496	5.850901231	4.004619321	1.461038057	0.204789314	4.581025454	4.437249914
4.75196381	5.585299199	4.070036578	1.372297052	0.233672782	4.91739397	4.793643894
5.751758563	6.860022218	4.977240961	1.378278101	0.291192112	5.062662289	6.201027932
4.356205945	5.666566528	3.223874345	1.757688396	0.287966159	6.61048084	4.390375512
5.766068396	6.953906243	4.096209752	1.697644082	0.342244335	5.935488653	5.705743946
8.618945843	10.0328766	7.224776602	1.388676378	0.380621528	4.416103019	9.057927869
4.402135384	5.301771432	2.761220856	1.92008235	0.299688695	6.80780277	4.02692116
4.938984559	7.789835824	2.912608413	2.674522187	0.897034325	18.16232292	4.113835965
5.613489027	9.297644519	4.109086746	2.262703392	0.591411613	10.53554411	5.759951157
4.250255298	5.546195365	3.131484672	1.771107301	0.278895261	6.561847256	4.456695704
4.889591893	6.564684218	4.148230701	1.582526309	0.275647076	5.637425008	4.83780588
5.638117079	8.215347396	0.979067601	8.390990967	0.631282878	11.19669686	5.681271109
4.121990179	5.892736803	0.455873244	12.9262616	0.408311658	9.905692151	4.210703758
4.665395048	5.963453658	2.407454202	2.477078755	0.286671224	6.144629149	4.775379832
5.344001787	7.497878254	4.048099064	1.852197324	0.520200798	9.734293122	4.804576499
4.436657229	6.240731225	0.296343314	21.05912614	0.438550719	9.88471041	4.165860808
5.734136634	7.044039679	5.110247886	1.378414479	0.287004643	5.005193662	5.769683357
6.132122138	7.226995425	1.622090025	4.455360253	0.380702276	6.208328335	6.403862976
8.592903851	9.792678192	7.535143799	1.299600705	0.326895354	3.804247775	8.164550145
7.666845189	8.750349141	6.713357155	1.303423748	0.287434634	3.749060102	7.585993978
5.478617429	9.462790242	4.501132629	2.102313134	0.39522259	7.213911091	5.416730185
10.17896333	11.15661117	8.588494344	1.299018282	0.38029266	3.736064744	10.24932806
4.214024527	9.273378205	3.358172517	2.761435918	0.430436517	10.2143809	4.041981369
10.71128792	12.8818468	7.237546804	1.779863696	0.687181101	6.415485286	9.085270283
10.20532166	11.06459902	9.201958765	1.202417801	0.317700285	3.113084479	9.972033155
7.087502143	8.599085088	5.57076125	1.543610416	0.472915862	6.672532185	6.90167444
7.157776657	8.149114813	6.157964813	1.323345466	0.274825055	3.839531015	7.455064265
6.050469417	7.652313799	3.934683644	1.944835848	0.520975836	8.61050275	5.722208356
6.698155523	8.615047726	5.369414259	1.604466951	0.435340232	6.499404655	6.956252857
4.68538868	7.146675871	1.991006922	3.589478164	0.646474065	13.79766139	4.27582752
5.946664943	6.885521236	5.323533713	1.293411784	0.267728806	4.50216732	6.022304474
3.759674301	4.828066563	3.25115336	1.485031934	0.185464825	4.933002434	3.849811836
3.367116721	9.968980361	2.404393042	4.146152558	0.508576593	15.10421632	3.36747582
3.964720058	5.950396758	2.713611085	2.192796452	0.495927827	12.50852064	3.701473802

8.637381125	9.82098098	6.730343122	1.459209553	0.420912301	4.873147255	8.974658479
3.901085175	5.180715392	3.150476024	1.64442305	0.211426565	5.419685942	3.952284399
4.036747417	6.364480432	2.957070687	2.152292287	0.327927545	8.12355867	4.079662499
4.010622606	7.370664091	2.746814737	2.683349551	0.393457201	9.810377088	3.804617256
4.681724004	5.749395595	3.925244051	1.46472309	0.208177307	4.446595024	4.669053873
4.193731226	6.949286013	3.321191049	2.092407787	0.345296219	8.233627775	4.155582004
4.009369922	5.207631687	3.077038528	1.692416796	0.218758994	5.456193834	3.905175956
5.3009376	8.28933675	2.020816106	4.101974804	0.688197194	12.98255602	4.951047759
4.128245689	5.069331757	3.399037121	1.491402293	0.260552302	6.311453387	4.243723751
7.573045076	8.87787036	6.174659683	1.437791039	0.321253438	4.242064249	7.516088242
7.893774383	8.881352965	6.879070771	1.291068701	0.303467339	3.844388305	8.03742566
6.141727248	8.800337554	4.767998935	1.845708792	0.318082763	5.179044098	5.919739081
4.798662522	6.437147863	3.855570518	1.669570776	0.256719316	5.349809764	4.79960582
3.984064245	6.891508708	2.040506568	3.377351887	0.466811147	11.71695832	3.978821355
5.178540916	10.56588025	0.765442115	13.80363068	0.686209731	13.25102462	6.937050097
5.844322629	9.331091654	2.16567605	4.308627623	1.081109056	18.49844927	5.819144692
4.545543849	7.259522935	1.757038658	4.131680827	0.586982042	12.91335121	5.979599832
4.710232709	8.423424893	2.743786451	3.070000179	0.839579013	17.82457608	5.003982582
7.227145071	7.950431883	6.211457847	1.279962302	0.230479129	3.189075718	7.097870283
6.724931363	7.498817984	5.560217984	1.348655395	0.260845818	3.87878781	6.599915021
6.880642264	7.792881279	6.259919066	1.244885309	0.241172646	3.50508916	6.901009074
6.877949005	8.556227668	5.889383091	1.452822398	0.299012065	4.347401595	6.745671186
7.56614562	10.01779796	3.184179496	3.146115969	0.430411913	5.688654891	7.763188016
3.889103852	5.07878318	2.762097743	1.838741295	0.257469152	6.620269396	3.862836452
7.21781813	9.427373186	4.336412125	2.17400305	0.50066674	6.936538595	6.848861566
6.930380391	11.44969328	4.764159333	2.403297723	0.803992566	11.60098755	6.386571172
6.327272255	10.07798441	5.001600512	2.014951891	0.466851659	7.37840321	5.933643349
5.677805233	7.943743459	3.530427094	2.250080018	0.48325009	8.511212868	5.501669823
9.579795954	11.04259091	8.020304437	1.376829395	0.368055742	3.841999808	9.199589107
6.192949357	9.005034156	1.086672171	8.286799271	1.434914044	23.17012398	5.602042311
6.641066881	7.623648555	5.735062984	1.329305114	0.345133829	5.196963601	6.146160903
6.52804769	7.23974192	5.632506241	1.285350004	0.222959739	3.41541222	6.378513102
6.674821273	7.739884896	5.904025634	1.310950422	0.245497098	3.677957628	6.798188075
8.050593412	9.341897951	6.560148785	1.424037511	0.319325419	3.966482995	7.943419685
6.418437408	7.72843881	4.728190814	1.63454461	0.311077174	4.846618489	6.845996939
7.867904719	8.684443116	6.773212391	1.282174929	0.238597423	3.032540833	7.995916434
7.268353461	7.919366374	6.119140943	1.294195778	0.282082067	3.880962425	7.227829947
6.201777278	7.908597552	1.756517274	4.502430843	0.431126563	6.95166149	6.414396377
6.426011943	7.227390452	5.627737297	1.284244461	0.259640547	4.040461632	6.613982835
7.006753725	7.874345906	5.901301522	1.334340548	0.299250797	4.270890755	7.198539339
6.437738582	8.297142711	5.046084067	1.644273579	0.382035425	5.934310947	6.284713556
7.906161175	10.20253794	6.609057213	1.543720626	0.500692114	6.332935833	7.526567112
7.352167113	7.789586934	6.732020268	1.157094991	0.168967179	2.298195568	7.213290793
4.818874715	6.301687041	3.519152531	1.790683122	0.344001918	7.138635854	4.981983488
4.287419449	5.924471862	3.911160743	1.514760515	0.1949556	4.547154817	4.292814176
6.877015955	9.098799479	4.752307754	1.914606534	0.542502779	7.888636335	6.674561244
6.415164475	7.888159346	4.790573631	1.646600168	0.532250762	8.296759401	6.766238129

3.708722536	4.661470583	2.880538047	1.618263848	0.231021295	6.229133965	3.63983366
7.238357605	8.405582435	6.385823269	1.316287984	0.283027086	3.910100905	7.375838652
7.504547228	8.167483402	6.790986564	1.202694678	0.214844562	2.86285842	7.430095955
7.973471767	9.081084784	6.308808681	1.439429414	0.367812621	4.612954457	8.40061983
3.605262968	5.76673846	1.324542127	4.353759946	0.285255529	7.912197583	3.670569628
7.321159485	9.492627741	5.111499756	1.85711204	0.544865762	7.44234248	7.745766999
3.70542935	4.837403779	2.956668853	1.636099279	0.201117933	5.427655316	3.686403916
6.49147708	7.335934043	5.407372266	1.356654153	0.260108897	4.006929297	6.719312047
3.094661465	4.007757409	1.673274427	2.395158465	0.213262353	6.891298295	3.144782342
5.416286748	8.534264223	3.594740764	2.374097267	0.785320247	14.4992369	6.001356475
6.241577718	9.506159738	3.335634021	2.849880916	1.125156833	18.02680162	7.280395333
5.363696703	8.968648567	1.948778457	4.602189918	0.960548666	17.90833299	6.618625174
5.978481078	10.74466777	2.885385274	3.72382429	1.305233524	21.83219295	6.859995926
4.870938617	7.256457123	3.6525867	1.986662527	0.46707742	9.589063974	4.900291171
8.095199878	9.687963481	6.220987003	1.557303283	0.443321225	5.476346869	8.06999219
8.197735532	11.47099456	6.086494559	1.884663569	0.830008702	10.12485337	7.5948723
4.894650719	6.894317491	3.7459338	1.840480334	0.331157495	6.765702273	5.191418957
6.090123596	9.761262659	4.261562659	2.290535994	0.832213634	13.66497117	5.568818397
6.031159463	6.981811323	4.290511323	1.627267894	0.364794715	6.048500585	6.168633665
9.399959205	12.71669046	7.817771042	1.626638897	0.450550832	4.793114763	9.903510321
7.705557082	9.401887081	5.666920414	1.659082252	0.544526426	7.066671759	7.418382649
4.443648038	6.122406496	3.110826521	1.968096406	0.324692844	7.306898312	4.487316496
8.369369029	9.602455993	7.310230378	1.313564073	0.368372758	4.401440022	8.605161842
7.600600353	8.404491029	6.703527377	1.253741583	0.256469231	3.374328598	7.265315734
8.247065293	9.418538361	7.583285571	1.242012881	0.230503307	2.79497371	8.295012322
9.490368911	10.81622673	8.371968495	1.29195741	0.30716018	3.236546264	9.321718461
7.557636976	8.668243424	6.579943424	1.31737355	0.361756429	4.786634102	7.272255291
4.213036543	5.259240216	2.801819427	1.877080359	0.215575161	5.116859504	4.328802497
4.465364806	6.317137916	3.171006981	1.992155159	0.262836387	5.886112307	4.697822214
4.050087565	5.785979372	3.050394568	1.896797035	0.249941899	6.17127148	4.080445836
7.035693976	8.509565817	6.271258887	1.35691509	0.280006382	3.979797627	7.422450938
4.066853057	7.38890628	2.248411252	3.286278821	0.527074735	12.96026012	4.093388405
5.950586153	6.487018827	5.297750473	1.224485536	0.177672739	2.985802317	6.027034547
6.299738737	9.123521727	4.265721727	2.138799085	0.887316089	14.08496647	7.502807146
6.951340152	9.750051033	5.206349466	1.872723123	0.791625593	11.38810037	7.780303778
4.29211109	5.463180561	3.464166701	1.577054753	0.277983732	6.476620161	4.375956872
3.769616197	4.966457499	2.985634497	1.663451271	0.240367509	6.376445133	3.734747297
4.090671666	5.39360386	3.100954792	1.739336502	0.225004351	5.500425593	4.219749768
6.516656281	7.808382948	5.374482871	1.452862189	0.363492829	5.577903957	6.329064774
9.175563567	10.24746129	8.101141823	1.264940365	0.320151074	3.489170682	8.888424245
6.744549856	7.561909684	6.014009324	1.257382434	0.209046987	3.099495022	6.962039363
8.871058696	9.656321406	7.717943912	1.251152058	0.267458145	3.014951811	9.093438636
5.958834145	8.208302485	3.401981684	2.412800317	0.614103598	10.30576758	6.714617159
6.204393055	6.783034788	5.2315726	1.296557519	0.182921012	2.948249893	6.159581698
9.285075944	9.978441361	7.951762401	1.25487167	0.288624331	3.108475719	9.440761611
5.229289072	6.097430243	4.271939771	1.42732121	0.23207035	4.437894836	5.178571615
5.468443526	10.48259787	2.65037169	3.95514256	1.193152569	21.81886973	4.676053685

4.447968437	8.380965537	1.798597956	4.659721484	0.479932559	10.78992726	4.924455739
4.130873582	5.75162362	3.467640224	1.658656391	0.274094807	6.635274627	4.060796279
4.983672148	9.141162535	4.142031828	2.206927159	0.446726882	8.963809594	4.729932528
8.823844695	10.76836941	5.902598467	1.824343884	0.645083898	7.310689614	6.944563339
9.959372294	11.29338982	8.06602732	1.400117973	0.416242293	4.179402889	10.17341904
6.10671335	7.886932733	4.252230555	1.854775425	0.537080229	8.794914677	5.54102123
7.338944333	8.45537023	5.340128451	1.583364578	0.260455392	3.548949002	7.36647769
9.731180544	10.65829644	8.480892135	1.256742366	0.317669981	3.264454707	9.56900604
5.946500717	7.08653855	4.705494986	1.50601341	0.353558867	5.945662556	5.919787224
6.093667439	6.983064127	4.741186326	1.472851655	0.268008391	4.398145997	5.98193529
6.273249882	7.676949078	5.176985936	1.48289935	0.377517833	6.017898863	6.136511821
8.411506785	10.7946143	5.807775212	1.858648778	0.954696098	11.34988204	8.690350794
9.302619527	10.69917674	7.652955391	1.398045095	0.553063344	5.945243087	8.84833071
4.003568581	9.865758277	1.268343432	7.778459702	0.498487431	12.45107761	4.07396501
5.710585522	7.568086013	3.267952889	2.315849179	0.599580349	10.49945485	5.814568317
9.346669079	11.75560968	6.402001598	1.836239729	1.040497949	11.13228617	9.747728182
7.680372711	10.09382646	5.604578925	1.800996399	0.836280545	10.88854117	7.768646719
10.38983344	12.5092404	7.088314464	1.764769392	0.983820328	9.46906737	10.97643014
8.50907836	10.47626891	6.200808452	1.689500489	0.665228116	7.817863318	8.827446784
6.464027989	7.49072356	4.004051415	1.870786057	0.383541151	5.933469836	6.181760103
5.519717505	6.314193709	4.616144592	1.367850071	0.229684638	4.16116655	5.485168147
5.899994493	7.814309257	4.779190208	1.635069733	0.455885462	7.72687945	6.134886583
8.192835184	8.963741881	7.215541881	1.242282566	0.247403966	3.019760074	7.829259463
7.203557827	9.051676623	5.371037478	1.685275268	0.425342133	5.904611908	7.149165211
4.051394231	5.838431507	2.558122407	2.282311234	0.368322898	9.091262829	4.096905516
6.256968006	7.883386045	4.540202608	1.736351156	0.39419275	6.300060187	6.994906091
4.930432536	7.094551577	3.488049326	2.033959647	0.539128058	10.93470105	6.369945282
6.726072124	10.86725223	4.76759486	2.279399268	0.918062864	13.64931637	7.653409938
6.820158455	8.229541631	6.25292128	1.316111504	0.277033342	4.061978082	6.782734156
6.740663343	9.244795652	4.147024223	2.229260104	0.707650806	10.49823689	6.43703923
4.779872808	5.789189923	3.842636376	1.506567199	0.276184389	5.778069833	4.786240668
3.538550408	7.852824154	1.948371192	4.030455893	0.444672356	12.56651185	3.696455241
4.52454143	6.520813046	2.966656601	2.198034327	0.450051141	9.946889595	4.359764903
3.577977431	4.736255044	2.293349958	2.065212519	0.235737465	6.588567681	3.84723844
4.227096455	5.244303828	3.604667088	1.454864957	0.229428602	5.427569589	4.177908996
8.402355849	9.284658533	7.158246139	1.297057736	0.287230216	3.418448607	8.429616101
9.025756453	9.845726913	7.891592055	1.247622387	0.284823038	3.155669443	9.372060279
7.368171114	7.993240662	6.550651773	1.220220665	0.190976489	2.591911701	7.310069661
7.438631859	8.245621466	6.228650199	1.323821567	0.321595056	4.323309212	7.567136678
8.000371047	9.130930685	7.092444429	1.287416599	0.282958672	3.536819357	7.945971232
8.437497406	9.195428104	7.449928104	1.234297563	0.31044858	3.679391713	8.355865711
10.20685466	10.86656263	9.245003719	1.175398406	0.243288219	2.383576796	10.16123576
7.400792089	8.568635606	6.346008108	1.350240255	0.328998673	4.445452178	7.28748144
4.359744477	5.681391904	3.681072162	1.543406827	0.291655896	6.689747477	4.315213328
3.828353812	6.286077991	0.35396142	17.75921789	0.435081048	11.36470319	4.46358461
4.075424048	5.598558383	2.663552676	2.101913896	0.277318855	6.804662587	4.169355958
4.806698103	6.752927019	-0.543519331	-12.42444682	0.467075949	9.717189202	4.996978185

4.121784307	5.948947134	1.724358575	3.449947836	0.487053193	11.81656188	4.52763117
4.986736145	9.130406326	4.134525984	2.20833207	0.394244464	7.90586172	4.938511265
5.761447475	8.971448016	1.606845291	5.583268076	0.618872602	10.74161665	6.429553629
4.960364728	6.625559295	3.896920024	1.700204073	0.304318215	6.134996746	5.373981242
4.195143347	5.322044935	3.278816065	1.623160565	0.243411252	5.802215359	4.814126808
4.896362174	7.438663127	3.254266014	2.285819013	0.474322524	9.687243443	5.774511515
5.288378777	7.618234144	2.612873036	2.915654163	0.587980436	11.11834952	6.262678672
4.426024761	8.544831782	2.522136039	3.387934532	0.81017558	18.30481355	4.407126872
4.668859392	6.056713672	3.72323176	1.626735606	0.250899567	5.37389427	4.786802213
4.090510908	5.749695257	1.069731322	5.374896612	0.398600762	9.744522653	4.460527838
7.505896041	9.259582299	6.089413944	1.520603195	0.435075867	5.796454735	7.47506369
3.674765941	4.28055075	3.123410525	1.370473307	0.194928143	5.304504994	3.683715151
4.754261787	8.242847475	2.712563969	3.038766116	0.632682126	13.30768382	4.595905731
6.960251634	8.911161976	3.959765598	2.250426637	0.819941999	11.78034994	5.434975446
6.482833509	7.387839794	4.939657993	1.495617673	0.282193321	4.352931794	6.759115611
5.519306706	6.302245601	4.9717399	1.267613698	0.180867879	3.277003597	5.592389199
5.049904632	6.182152338	3.852467112	1.604725532	0.249492923	4.940547224	5.036036613
6.83702738	7.836953795	5.67141665	1.381833549	0.331119846	4.843038177	7.274976271
6.282449928	7.172845739	5.186297991	1.383037718	0.285260695	4.540596403	6.464742999
4.843329803	5.406392505	4.242554025	1.274324964	0.174280505	3.598361302	4.756956421
5.330578024	7.366176709	3.951290093	1.86424599	0.600257598	11.26064744	6.304492584
4.205854672	5.103341249	3.640967924	1.401644111	0.191724604	4.558517096	4.233616229
6.244548503	7.382137526	5.040576248	1.464542378	0.213539037	3.419607308	6.176195325
6.803876886	7.607844086	6.076488162	1.252013315	0.242006829	3.556896069	6.91162209
7.427927643	8.689375911	6.3371414	1.371182267	0.363141121	4.888861847	6.78666335
9.187348666	10.61382401	7.6677128	1.384222948	0.391455657	4.260812023	9.2596229
3.676530678	5.552913341	2.834648714	1.958942325	0.238618916	6.490328428	3.780169728
4.976261211	7.379316095	3.166139574	2.330698292	0.659696028	13.25686093	6.03978149
4.847391876	7.374887944	3.140009618	2.348683234	0.664637737	13.7112442	4.446354688
5.950250344	8.193368024	4.6980829	1.743981151	0.41123815	6.911274755	5.642183977
4.796534655	8.021597185	3.218300707	2.492494616	0.631961771	13.17538215	4.84301394
3.69050224	5.10604138	2.558890696	1.995412069	0.303615514	8.226942948	4.211917589
5.493500845	6.737787726	4.371750239	1.541210581	0.286072106	5.207464491	5.520957202
7.234054652	8.273411651	5.93453628	1.394112574	0.317202435	4.384849862	6.628944931
9.209919447	10.31632422	7.506718845	1.374278754	0.344247724	3.737792996	9.368349882
9.320931124	12.37074808	7.50064808	1.649290561	0.54840706	5.883608111	9.71092168
6.268568946	7.295265883	5.597750257	1.303249618	0.271210307	4.326510705	6.290379842
7.193983676	7.93509365	6.288427181	1.261856649	0.278664087	3.873571297	7.29877197
5.767126266	7.324621529	4.196472034	1.745423648	0.428308351	7.426720542	5.620434296
9.716693714	10.83166631	7.687849801	1.408933134	0.399631653	4.112835757	9.771853254
8.104937929	11.37963818	6.812538183	1.670396243	0.519799464	6.413367606	8.709015322
6.035054171	6.58575846	5.141237929	1.280967454	0.183742603	3.044589128	5.791693128
6.107551133	6.73873998	5.158909602	1.30623339	0.212767808	3.483684432	6.206448521
4.423106346	5.838042479	3.808203104	1.533017625	0.235400173	5.322055476	4.447654261
3.956525841	4.739030476	1.886224713	2.512442152	0.252305226	6.376938666	3.982532109
3.972338509	6.149649382	1.472823905	4.175413883	0.321648982	8.097219838	4.08884521
4.992651909	7.755965984	2.954889233	2.62479077	0.746428171	14.950535	4.675381092

3.381177754	4.306974904	2.929280188	1.470318518	0.160541844	4.748104243	3.580518898
4.455130428	6.98564659	3.592375665	1.944575747	0.318355507	7.145817891	4.474631305
4.373438201	5.385624014	0.645335036	8.345469735	0.332974933	7.613573533	4.39063405
4.612513359	5.373399635	1.390875552	3.863321652	0.29580624	6.413124843	4.641349641
5.914047386	9.442513302	3.018389554	3.128328247	1.059852626	17.92093565	6.585227223
4.910411543	6.604825234	3.272920103	2.018022141	0.328695861	6.693855665	5.01882324
3.594162903	5.579898431	2.524237856	2.210527989	0.321515361	8.945486604	3.559025542
8.63329239	10.3774036	7.527285421	1.378638249	0.369769075	4.28305979	8.983953801
4.282783352	7.072634382	3.656517739	1.934254087	0.386405011	9.022287123	5.252560958
5.2460099	7.756723194	3.550756465	2.184526951	0.293878933	5.601951548	4.902255814
6.878323207	8.971363342	4.305513016	2.083692073	0.732733448	10.65279176	7.277878352
7.351069508	8.959827298	4.406646353	2.033253087	0.542844371	7.384563166	7.058596848
7.158052687	8.991518396	5.555049001	1.618620897	0.438926262	6.13192276	7.292150094
6.789237954	9.530498682	4.297880256	2.217488183	0.862765983	12.70784717	7.327412765
9.086158325	11.58216571	5.635532377	2.055203472	0.814715093	8.966551796	8.053283205
8.975734231	9.965450603	6.729047263	1.480960114	0.435667603	4.85383805	7.783239521
9.177425051	11.56357291	7.114196	1.625422311	0.724978914	7.899589586	8.845809889
8.00114925	10.93682766	3.777438773	2.89530243	0.741319408	9.2651616	6.238991721
6.827748788	8.16358917	5.695946195	1.433227929	0.285836286	4.186391362	6.786672358
7.649562278	8.685858171	6.35680377	1.366387651	0.371935407	4.862178958	7.835703638
6.576732824	8.385093709	4.876190643	1.719599237	0.466634784	7.095237046	6.919615416
6.538592454	7.351066018	5.778616394	1.272115246	0.24894145	3.807263586	6.754250075
7.616066712	8.363460069	6.718959868	1.244755175	0.249846067	3.280513114	7.786554612
7.046037401	8.657252975	5.660610178	1.52938512	0.340800929	4.836774344	7.127572224
6.5249675	7.73394769	5.058268782	1.528971279	0.271814263	4.165756588	6.468835626
5.205586292	6.647517467	4.20660044	1.580258825	0.268440104	5.156769832	5.194061932
7.566405844	9.410922677	4.15937853	2.262579039	0.948838084	12.54014262	6.873793761
8.390140212	11.31823663	6.117058976	1.850274236	0.718909566	8.568504796	9.372819938
7.111040375	8.610311041	5.885934274	1.462862247	0.461201363	6.485708678	7.552212526
6.6107142	8.379686614	5.591664959	1.498603131	0.391280577	5.918885092	7.022805121
6.507104796	8.740846226	4.153824317	2.104288857	0.516372829	7.935523483	6.970199782
7.925811891	10.06661815	5.581864318	1.803450887	0.727160024	9.174580898	8.269777468
7.111472999	9.635925719	5.147423506	1.871990076	0.688671614	9.683951747	7.802317068
6.576703014	7.44096076	4.811436412	1.546515453	0.226869816	3.449598006	6.436982168
4.296804348	7.427265369	2.375915427	3.126064709	0.61540633	14.32241917	4.777229311
8.082803746	9.609494669	6.944322123	1.383791607	0.41977084	5.193381564	8.123307345
9.262918831	9.999053031	8.656040688	1.155153192	0.226710471	2.447505745	9.366784978
6.556947659	8.049724841	5.699260462	1.41241568	0.357935338	5.458871355	6.682081475
8.932944337	9.901602302	7.857255927	1.260185794	0.348360658	3.899729416	8.475454064
5.967773707	10.34703809	3.398685382	3.044423631	0.924881262	15.49792783	5.609270182
6.338109153	8.17971059	4.475052971	1.827846652	0.406420615	6.41233222	5.887559028
7.603896355	8.68136492	5.772331587	1.503961578	0.452897443	5.9561233	7.360416129
3.680737296	5.032871053	2.422093643	2.077901103	0.197178664	5.357042564	3.828960662
6.819304112	9.779724443	5.084231518	1.923540344	0.785467857	11.51829929	6.769245355
7.872238244	11.54724282	5.673442822	2.03531492	0.952254588	12.09636393	7.985101049
7.833426831	9.896077039	5.176643706	1.911678223	0.810972297	10.35271426	7.195356755
8.697493034	11.7800253	4.093768621	2.877550342	1.264301433	14.53638914	8.043092532

9.0029314	11.75840088	5.898900885	1.99332064	0.973926474	10.81788176	9.44426087
5.418211168	7.312084197	2.410753127	3.033111983	0.301144933	5.558013967	5.476495432
7.523051717	12.96687145	3.072095724	4.220855279	2.305199681	30.64181622	8.024796149
4.52501719	6.192475519	2.242520752	2.761390508	0.451275136	9.972893296	4.5283169
7.455616583	11.96387224	2.359032635	5.071516209	1.572186262	21.08727353	5.156609431
8.162911726	8.974902532	7.295747141	1.230155371	0.225468646	2.762110552	7.987334515
6.110703579	6.949281482	5.452635216	1.274481275	0.209871543	3.434490645	5.98945443
4.129558895	6.147301549	2.553817505	2.407102911	0.356412869	8.630773366	4.742142206
5.874105055	8.798955292	3.945348887	2.230209683	0.65798969	11.20153086	6.877958028
6.957903703	9.518611694	5.271781594	1.805577777	0.47124716	6.772832451	6.989704353
6.107816777	8.799046179	3.82125724	2.302657378	0.706936528	11.57429167	6.479010533
5.040015494	6.946372706	3.209921323	2.164032077	0.588732854	11.68117151	5.395912222
4.849655471	7.317970785	3.694788983	1.980619413	0.396497408	8.175785079	5.748668166
6.383473991	10.02136334	4.260124915	2.352363732	0.866163075	13.56883534	6.972950513
6.058530054	10.11472618	4.182393821	2.418405969	0.834557362	13.77491495	6.711926399
7.1184228	8.696246788	5.264707167	1.651800663	0.497340558	6.986667858	7.745876635
3.961855959	5.006856485	3.15903759	1.584930962	0.240292641	6.065153379	3.950773013
5.757074852	10.28428697	2.47184733	4.160567218	1.09563109	19.03103778	6.724430116
7.006385222	7.884493954	4.836262695	1.630286535	0.351786405	5.020940098	6.682575612
4.50850732	6.390538157	2.828040553	2.259705275	0.595181589	13.20130027	5.165990773
6.191766751	9.306641199	3.186705606	2.920458413	1.094135944	17.67081978	7.552140876
6.065714924	9.603262317	2.480538544	3.87144249	1.064434701	17.54837994	7.677887497
6.998481206	9.146017241	4.694692536	1.948161071	0.699701708	9.997907937	7.704172411
7.10511846	8.275784408	6.274192339	1.319019877	0.31236342	4.396315442	7.503659168
4.430929751	6.922387683	3.483585222	1.987144635	0.323175412	7.293625268	4.86303849
6.156144136	7.402584542	5.211482761	1.420437308	0.370023113	6.010631082	5.727298722
3.918659969	5.466325184	2.165909559	2.523801218	0.313946946	8.011589391	4.141889668
3.989727592	7.037221347	2.569427466	2.738828568	0.392346275	9.833911371	4.176877465
4.86768971	9.687795722	4.22057659	2.295372567	0.419816109	8.624545394	4.528784843
7.460749062	8.402564776	6.124689776	1.371916796	0.387528872	5.194235437	7.644022655
4.138958049	6.350763977	-2.032113901	-3.125200794	0.734068519	17.73558732	5.444863802
6.416478077	8.220267825	4.104386838	2.002800454	0.594320305	9.26240685	6.209965537
5.873078681	7.721430307	4.666531483	1.65464014	0.42052612	7.160233036	6.874388907
5.157060417	7.070817026	4.460156655	1.5853293	0.39739519	7.70584708	5.246066121
5.653797914	9.086095272	2.916595272	3.115308922	0.958830509	16.95905166	6.16224304
5.7433122	6.847305582	4.474706652	1.530224463	0.260587314	4.537230524	5.723426047
8.915867642	9.94528434	7.306965791	1.361068961	0.324859985	3.64361606	9.059122661
7.467871205	8.225512175	6.512256291	1.263081766	0.23420874	3.136218256	7.562645237
6.465417929	9.112858855	4.105689116	2.219568652	0.798223726	12.34604994	6.210331711
6.266044924	7.72645278	5.29559228	1.459034678	0.325302473	5.191511985	6.819796378
3.214452816	4.933356665	2.268374939	2.174841813	0.272760897	8.485453441	3.158130545
5.829513795	9.883917492	2.709571775	3.647778436	1.061027046	18.20095265	6.496062354
5.593657888	6.337906888	4.856573624	1.305016124	0.186127236	3.327469073	5.703160336
5.965968143	7.439550579	4.839606675	1.53722215	0.255523883	4.283024589	5.884246266
4.470658182	7.288854179	3.277569749	2.223859364	0.372786828	8.338522262	4.401619338
5.934044233	8.763685637	3.75434065	2.334280891	0.804966312	13.56522264	7.18118256
8.171799742	10.17906474	5.537121871	1.838331353	0.932465644	11.41077453	7.078871976

6.702577926	10.62303631	3.720936313	2.854936344	1.421726326	21.21163442	8.443907366
7.924457315	8.632685673	6.827695244	1.264363063	0.258142134	3.257537059	7.611318607
5.598620287	6.415716351	4.562481396	1.40619014	0.296720495	5.299886048	5.50686836
6.365485387	7.448149367	5.407921414	1.377266568	0.30189094	4.742622461	6.258430716
5.364010865	7.012314874	4.662852182	1.503868148	0.244356126	4.555474115	5.162620378
5.472850454	8.023659357	4.333068009	1.851727076	0.419401932	7.66331796	5.662670527
6.585414789	8.214523091	4.472957115	1.836485994	0.373123339	5.665904894	6.593353935
6.424097832	8.067434519	5.504606464	1.465578797	0.349842732	5.445787745	6.839981103
4.762008123	5.927501896	3.186126874	1.860409874	0.294418598	6.182656352	4.792236573
3.92484295	5.710675151	2.373123527	2.406396079	0.315650033	8.042360859	3.922598493
3.876252681	5.03153078	2.409685773	2.088044357	0.257973592	6.655231563	3.831352558
8.836970593	9.790420061	7.921032612	1.236002999	0.274355928	3.104637779	8.842953427
6.48954171	8.315854752	5.320254752	1.563055744	0.421698703	6.498127637	7.271474056
7.200434123	9.458531548	5.948177304	1.590156289	0.464060913	6.444901865	7.281942897
5.769426162	6.55353629	3.897774936	1.681353182	0.308229476	5.342463313	5.675207542
6.799768621	9.395651777	5.234577865	1.794920626	0.6779053	9.969534819	7.507350383
7.662210531	8.947071509	6.231596002	1.435759235	0.323333864	4.219850956	7.714096248
7.404296939	8.763360061	6.432724441	1.362309258	0.306128978	4.134477321	7.36845926
4.761510098	8.934653678	3.11330744	2.869826976	0.720626532	15.13441151	4.699422002
5.407578605	7.317384069	2.667486764	2.743175399	0.443856608	8.208047277	5.677769988
6.319517624	7.943627816	3.708466264	2.142025099	0.456132271	7.217833676	5.751907886
6.517664275	8.546325758	5.661589954	1.509527505	0.437403191	6.711042062	6.991440064
6.823532774	9.037890402	4.570793533	1.977313203	0.800013493	11.7243299	6.373841377
7.350737998	9.474155393	5.989452505	1.581806582	0.577728239	7.859458995	7.549611717
4.142587556	9.177730801	2.434246238	3.77025572	0.692532715	16.71739476	4.398849575
7.507359905	9.675771835	4.474729137	2.162314531	0.731910534	9.749239986	7.029892128
6.795235963	9.461334933	3.149784933	3.003803477	1.039753839	15.30121757	7.382880188
4.392639341	5.734371943	2.259029422	2.538422868	0.287400771	6.542780969	4.248511965
7.761051993	9.517798631	5.65596531	1.682789428	0.613363825	7.903101614	7.482158543
4.916825664	7.492686086	3.586935293	2.088882423	0.646975566	13.15839954	5.832711391
7.388083702	9.513035272	3.793327981	2.507833575	0.489500352	6.625538796	8.58750246
5.95588478	7.633956583	3.816926515	2.00002713	0.567574498	9.529642003	5.611810215
6.577780681	10.15747247	4.891735383	2.076455833	0.487807691	7.41599203	5.663767716
7.80932848	9.80152913	6.341488184	1.54561971	0.441821052	5.657606196	8.092387407
5.609167821	8.56067288	3.6527784	2.343605865	0.746015948	13.29993988	6.135519786
5.671387674	8.133069158	4.259917464	1.909208154	0.581566667	10.25439806	6.281604875
9.65702736	10.85234274	7.83776274	1.384622513	0.420379667	4.353095954	9.534650716
5.288176533	6.984589923	3.790756395	1.84253199	0.42298778	7.998745445	5.546686005
6.586712724	7.214398531	5.671146646	1.272123431	0.248482105	3.772475213	6.982018395
6.638572396	9.125311995	3.719411995	2.453428662	0.861811181	12.98187517	7.462359552
6.104956858	7.214981417	3.637815142	1.983328217	0.439543104	7.199774127	5.590873582
5.062724861	7.291190392	3.618791948	2.014813368	0.4858798	9.597199402	4.998918376
8.266615928	9.518812832	7.144340134	1.332357174	0.269371676	3.25854834	8.778966559
7.282634573	9.453037089	5.582169949	1.693434126	0.520143827	7.142248061	7.613332131
6.054606331	8.556449734	4.691378226	1.823866958	0.591904882	9.776108458	5.783758821
4.895292717	6.805193071	1.361144773	4.999610039	0.590950383	12.07180892	5.006677808
4.401018058	5.960029104	0.599307346	9.944862421	0.336494039	7.645822731	4.394867823

4.241843108	5.644247434	3.578708623	1.577174346	0.277476556	6.541414866	4.361157886
4.421198654	6.015364783	3.490448232	1.723378885	0.313124229	7.082337914	4.560257471
4.784192746	6.358685758	3.422766971	1.857761808	0.313550311	6.553881236	4.736903054
7.928590035	8.85940731	6.18999107	1.431247187	0.416307208	5.250709226	8.135946146
6.258427038	7.641458272	4.57153539	1.671529939	0.269491424	4.306056808	6.325422744
4.26718354	6.558086327	-1.191962242	-5.501924557	0.514715437	12.06218181	4.686638776
6.570775066	8.922583153	4.471338569	1.995506047	0.74427709	11.32708215	6.297245356
6.376446737	7.938196986	4.822196986	1.646178497	0.450972579	7.072474644	6.126522741
6.622154361	7.779037849	3.878392667	2.005737561	0.386043567	5.829576691	6.255901151
6.951966932	8.422476563	5.522726563	1.525057681	0.386382725	5.557890722	6.340864787
4.872793935	8.606951322	3.6577922	2.353045458	0.73870935	15.15987255	4.999585944
6.39854238	7.716101875	5.143512549	1.500161961	0.415273699	6.490129695	6.287289128
7.08322551	8.38088394	4.827543482	1.736055609	0.388431189	5.483817904	7.258025033
5.319002426	7.080394426	3.448094686	2.053422273	0.451513607	8.488689622	6.053014859
8.553833515	11.12552844	6.162139328	1.805465253	0.794931291	9.293275222	8.480510498
8.723234003	10.44685666	6.961456657	1.500671077	0.543412057	6.229479303	8.580462003
8.175289192	9.197416869	6.895516869	1.333825592	0.39779877	4.865867871	7.490896583
6.685660645	8.55686171	4.154383268	2.059718894	0.438560405	6.55971681	5.964169888
9.410795119	10.56293302	8.532668333	1.237940185	0.232988953	2.475762677	9.669406603
4.150935553	5.597090678	2.715684968	2.061023552	0.340576868	8.204821862	4.152304842
4.46609411	7.845073608	2.576259994	3.045140485	0.661317254	14.80750825	4.371951966
3.838036713	4.76778926	2.017756357	2.362916238	0.280841627	7.317325181	3.887470867
4.728193929	6.640110485	3.39007304	1.958692455	0.374472699	7.919994502	4.638888979
4.407865108	8.579706085	2.793611091	3.071188439	0.429610907	9.746462205	4.408486982
4.062906296	6.187704201	3.448561178	1.794285756	0.274084128	6.746011539	3.837897635
4.86475329	5.781779324	4.289255126	1.347968156	0.213612228	4.391018732	4.824896282
4.592974733	6.32802149	-3.862111955	-1.638487326	0.622898668	13.56198768	4.819920442
3.55749065	8.683128806	2.234732747	3.885533435	0.476572732	13.39631722	3.68504666
4.957088215	8.084536567	3.963838339	2.039572726	0.377823072	7.621875101	4.930657877
4.45888814	5.920960121	3.756192732	1.576319572	0.206033738	4.620742459	4.882094369
4.424695329	6.725445771	3.401836823	1.977004225	0.312651517	7.066057514	4.495375212
3.967397435	6.614932597	2.638294256	2.507276276	0.350569007	8.836246252	3.838120648
3.725656967	5.910356161	2.208111929	2.676656053	0.410206527	11.0103139	3.688883423
4.294277336	5.168274583	3.806731189	1.357667334	0.178053843	4.146305159	4.280126557
6.280576373	8.129204433	4.626301207	1.757171457	0.559388419	8.906641458	6.505035933
4.181138399	7.152372646	2.867971555	2.493878516	0.624033945	14.92497702	3.733149385
8.008325779	10.76065636	3.223193147	3.33850808	0.651878639	8.140011496	6.17028696
5.792222455	7.018343794	3.933483954	1.784256368	0.387083007	6.682806294	5.309408449
5.441997464	8.177870497	3.464976137	2.36015204	0.557881528	10.25141103	4.987874266
4.795212036	6.170397183	3.07080073	2.009377268	0.369012838	7.695443611	5.337170304
4.921027588	6.841694428	3.306796893	2.068979332	0.358674183	7.288603386	4.929111118
5.09990228	7.71393708	3.59473708	2.145897435	0.49087339	9.625152854	4.718919125
6.373077705	9.266601377	2.437059324	3.802370047	1.246574952	19.56001495	7.034560252
4.199315159	5.099981152	3.413706429	1.493971804	0.185921776	4.427430876	4.223462196
5.062492555	7.449463969	3.553537186	2.09635177	0.471299106	9.309625668	4.817852828
5.059159291	7.704088501	2.964578824	2.598712653	0.445069986	8.797311186	5.153747804
6.097231952	10.53546797	3.675470239	2.866427228	0.73792588	12.10263748	6.208690825

7.46710693	9.314112585	4.65383097	2.001386094	0.69233345	9.271776297	6.689329291
4.611853441	5.562612056	3.501064597	1.588834454	0.268339504	5.81847424	4.495248789
4.571608027	5.378740814	4.093740814	1.313893834	0.18101035	3.959445983	4.605750642
6.023093803	7.186033189	4.82220112	1.490197736	0.335121281	5.563939271	6.360990661
5.608856747	7.987270701	4.738768217	1.685516222	0.369018311	6.579207275	6.134140623
4.802161157	7.278398264	3.428059632	2.123183097	0.365164876	7.604177868	4.77504434
8.105365986	9.405467154	6.34840296	1.481548543	0.362485703	4.472169465	8.193322266
4.969650151	9.157221252	3.707095181	2.47018779	0.567518181	11.41968073	4.665108413
5.759604853	6.687710177	4.710587501	1.419718915	0.299466488	5.199427664	5.619143958
4.199808331	5.637726976	2.907485315	1.939038848	0.288338909	6.865525422	4.332184753
6.889936421	10.47746501	3.8265482	2.73809827	1.177281704	17.08697486	5.895071933
4.686444086	6.414529677	3.550248997	1.806783041	0.353238437	7.537451228	4.627684467
5.228363888	7.752506455	2.607293213	2.973392642	0.77488288	14.82075267	5.190752882
4.302607102	8.175121067	2.44527701	3.343229022	0.737599539	17.14308376	5.172408248
3.863987713	6.3896484	3.073308268	2.079078258	0.42573259	11.01795922	4.199686389
3.729563243	5.06684804	2.650499797	1.911657584	0.260215121	6.977093668	3.631943242
4.954090157	7.518430919	1.875499869	4.008761101	0.649519749	13.11077774	6.231394292
5.292954485	7.58777423	4.106799982	1.847612317	0.352776297	6.665016628	6.159211676
6.58377849	8.399602268	5.548226534	1.513925615	0.382904408	5.815876225	6.16520921
6.73131759	7.720081793	5.844964382	1.32080904	0.251870389	3.741769514	6.762088118
8.443736349	9.065472541	7.164171215	1.265390269	0.255116525	3.021370098	8.592983977
7.566592761	8.439547613	6.790669585	1.242815234	0.279324914	3.691554744	7.824489817
6.807306559	7.432896918	5.403246163	1.375635441	0.231445797	3.39996142	7.145747078
7.182494601	8.556174865	6.237426983	1.371747499	0.237964563	3.313118582	7.144025495
7.080714177	8.640492498	5.156797853	1.67555385	0.3584614	5.062503455	7.177355794
4.494253813	5.96382	3.437187117	1.735087383	0.305402175	6.795392247	4.560782238
6.628146417	9.315295888	4.088148789	2.278609799	0.499863689	7.541530587	6.098756355
8.949207261	10.4829522	7.072748302	1.482161071	0.433677454	4.845987378	8.190133977
8.362356461	10.14538806	7.099705497	1.428987169	0.405588475	4.850169653	8.532123546
4.221613253	7.381113257	-0.068886362	-107.1491235	0.633432407	15.00451057	4.096473824
4.936500032	10.48586417	3.21095379	3.265654026	0.985365168	19.96080547	5.966380715
4.979143346	8.939115747	1.418108483	6.303548603	0.969580355	19.47283473	5.288276067
4.576894544	9.167881279	2.423740148	3.782534727	0.578479256	12.63912136	5.078230028
9.452711378	10.92792475	7.520674747	1.453051104	0.415275448	4.393188697	8.810489782
6.662659641	9.171549005	0.34900315	26.27927286	1.162190903	17.44334794	6.061534686
4.359281018	5.128973043	3.574923407	1.434708512	0.210724456	4.833926867	4.451042319
4.292386939	5.282637343	3.237088661	1.631909996	0.229429094	5.345023579	4.29244408
4.494635955	6.287473124	2.967375977	2.118866356	0.340367682	7.572753059	4.607234083
4.453947231	6.081215758	-0.395262314	-15.3852658	0.423668561	9.512204322	4.516360214
8.301257537	10.05331321	7.46912045	1.345983543	0.274464323	3.306298129	8.287950967
4.640516114	7.160583611	3.45390301	2.073186071	0.330084121	7.113090723	5.410315855
5.713871292	8.705472515	1.254756126	6.937979686	0.698552881	12.22556207	5.63044527
4.383086081	6.052605909	2.90910968	2.080569856	0.341293288	7.786597894	4.372910058
5.752401492	7.686544849	3.528611884	2.178348059	0.499913373	8.690516008	6.685000888
5.152984134	8.516685155	4.13517219	2.059572072	0.579034145	11.23687032	5.531835682
5.120096563	7.64825512	2.832222562	2.700442834	0.63474139	12.39705897	5.273473106
4.438323929	7.874108184	2.977519789	2.644519178	0.494028145	11.13096189	4.786993925

7.829445126	9.163717915	6.797168339	1.34816698	0.365669837	4.670443835	7.291233375
8.298242356	9.786860823	6.178142243	1.584110634	0.546857452	6.59003953	8.807681726
7.925402882	9.134295091	6.534973288	1.397755536	0.420603889	5.307034798	7.761887891
8.513492751	9.947781503	7.553915591	1.31690398	0.358747939	4.213874957	8.631544283
8.820781593	9.834651514	6.809445788	1.444266071	0.371840191	4.215501626	8.655292784
8.657525047	10.22815714	7.240582958	1.412615144	0.436960789	5.04717903	8.689324542
5.249548816	6.5842595	3.35999124	1.959606151	0.313417176	5.970364055	5.852190621
9.007398735	9.759884089	7.881467624	1.238333335	0.293249176	3.25564777	9.188829338
4.352021188	6.838508135	3.007562251	2.273771102	0.403458217	9.270594032	4.524031488
7.200238359	8.750438173	5.609300439	1.55998743	0.463409206	6.436025903	7.87125954
5.517333788	8.762436313	4.194911291	2.088825175	0.724519351	13.1316933	5.800444631
6.370929878	10.85770844	2.158941129	5.029182268	1.592591609	24.99778901	6.088250544
7.750227921	10.85204172	4.57386971	2.372617151	0.992631534	12.80777216	8.692194366
5.567669625	7.943108438	2.955308438	2.687742618	0.646493413	11.61156204	6.159363304
4.126606634	5.623063589	3.233084625	1.739225613	0.259426446	6.286677374	4.162317021
10.42288747	11.45398059	9.035919306	1.267605454	0.385268072	3.69636603	11.1152013
4.11610894	6.111122756	3.124078791	1.956135925	0.346434363	8.416549893	4.39248804
5.284813423	7.664806227	2.613476931	2.932800414	0.614683316	11.63112615	5.804624521
3.758816693	5.655390232	2.890489981	1.956550713	0.371065814	9.871878422	3.821969277
4.531834874	7.677187582	3.88630365	1.975447179	0.398138393	8.785368493	4.904840314
5.202513213	6.228643404	4.368664088	1.425754711	0.266685551	5.126090803	5.43008365
10.34431228	12.04569005	7.977529997	1.509952335	0.717959939	6.940625139	11.37962134
4.807145702	9.080226999	3.456578898	2.626940471	0.814659985	16.94685444	4.879541791
7.960933232	10.46921269	4.982504676	2.101194755	0.777276764	9.763638775	8.1914767
9.190513832	10.89041536	7.336487379	1.484418196	0.55784989	6.06984441	9.307702665
4.26852948	5.337783062	3.183847076	1.676519925	0.277848355	6.509228904	4.373227656
6.473752476	8.722193169	5.227978462	1.668368229	0.533693509	8.243959136	7.121633544
3.53039561	5.174094581	2.054321374	2.518639317	0.328555931	9.306490477	3.5533494
4.225113587	6.904714775	3.668984943	1.881914176	0.307968493	7.288999129	4.34056872
5.849077723	8.552002174	2.697832729	3.169952712	0.545821003	9.33174474	6.49219348
6.150526996	7.789115026	5.149294069	1.512656866	0.2670445	4.341814946	6.23632111
5.733382456	6.5430533	4.25630166	1.537262587	0.218037713	3.802950776	5.520178567
6.003144516	7.284888488	5.008161539	1.454603337	0.308392217	5.137177963	5.888043341
7.744342186	9.55095889	6.12335889	1.559758143	0.46454636	5.998525744	6.649589828
5.197551406	7.307821451	2.944155749	2.482144993	0.332081998	6.389200841	5.206169345
8.786302167	11.35270579	6.731867736	1.686412484	0.680746909	7.747820371	9.278210407
4.132379452	7.739206671	2.917006154	2.653133474	0.447558687	10.83053221	4.258394874
5.148711131	6.905537585	3.497241408	1.974567031	0.307986624	5.981819832	5.111227199
6.094160115	7.479901211	4.664301211	1.603648837	0.434431019	7.128644645	6.760981835
5.973213534	7.182239233	5.075182539	1.415168652	0.273568042	4.579913987	5.998451945
6.899430992	8.382236479	4.96179506	1.689355642	0.468005827	6.783252519	6.952295802
7.450075454	8.793518272	6.208608904	1.41634276	0.391283182	5.252070051	7.546416013
4.376680402	6.346828818	3.357530809	1.890326308	0.317464015	7.253534325	4.1930216
5.735220499	6.873029396	4.677180469	1.469481334	0.338791509	5.907209836	5.614897338
4.840309877	5.680092281	3.515682367	1.61564433	0.259614291	5.363588234	4.989337787
5.732335938	7.137780947	2.175429107	3.281091038	0.434147417	7.573656215	5.288300974
5.842407148	6.405614951	5.235509721	1.223494042	0.202802285	3.471211088	5.805443425

6.700933575	8.385201913	4.285522112	1.956634849	0.424524022	6.33529668	6.613842198
5.545220607	7.921838337	2.995815626	2.644301027	0.853029951	15.38315626	6.854487984
6.590413244	8.818641384	4.254778191	2.072644211	0.841985604	12.77591515	7.640367706
5.076962732	6.538477945	3.993286527	1.637367592	0.280890946	5.532657245	5.750594367
7.347667144	12.17844492	2.807787617	4.337381092	1.226511415	16.69252826	6.477386952
4.428332797	6.953237778	3.348784241	2.0763469	0.415576986	9.384502137	4.364456289
6.410167371	7.593593968	5.524293968	1.374581804	0.272098357	4.244793333	6.816892663
5.285202091	7.757777903	3.050549168	2.543075845	0.662870481	12.54200822	5.307403743
5.590714642	6.924263617	3.820360664	1.812463332	0.322746849	5.772908656	6.052867335
7.421839997	9.862519827	3.579289046	2.755441011	1.079323285	14.54252969	5.116593854
6.073607916	7.318790026	3.231205597	2.265033842	0.373273103	6.145821536	5.838730178
8.732943585	11.64629386	3.092633433	3.765817745	1.603508155	18.36159984	6.624271146
6.07137784	7.104554774	5.075526632	1.399767017	0.295649885	4.869568213	5.745401573
7.339334512	8.833132429	6.260783443	1.410866948	0.364057501	4.960361192	6.986286827
4.224192703	5.815750497	-0.243864594	-23.84827744	0.4608876	10.91066702	4.341603424
5.805548297	8.403473137	4.566452306	1.840262982	0.604688877	10.4157066	6.482129434
5.509940883	6.221226111	4.960702454	1.254101847	0.187611654	3.404966725	5.649983439
4.45420973	6.75778745	3.372577594	2.003745581	0.377471238	8.47448282	4.398406219
6.019743934	10.0163504	0.828138257	12.09502195	0.932542997	15.49140641	6.37035542
6.503255827	8.857017198	4.905749907	1.805435941	0.733487643	11.27877578	7.866199931
8.92275732	10.48034256	6.474259314	1.618770898	0.643282777	7.209461765	8.782285004
5.991453004	6.592002523	4.865052523	1.354970474	0.25143909	4.196629596	6.177145862
5.600763114	11.52956928	3.519398871	3.276005281	1.168373623	20.86097197	5.385045937
4.594912049	6.85562979	3.465592854	1.97819827	0.287387754	6.25447779	4.52313129
6.369178291	8.593920213	4.601620558	1.867585583	0.446586779	7.011685947	5.770809557
7.899951911	10.92397623	2.301162161	4.747156205	1.500490155	18.99366189	9.001086415
7.406443589	9.436753999	4.361327779	2.163734183	0.852689626	11.51280795	7.90687686
4.716848771	7.427629653	2.584052224	2.874411586	0.564270115	11.96286211	4.806272491
5.163292271	8.248122451	4.029419712	2.046975257	0.629309716	12.18814823	5.695595484
7.858592803	9.320193094	5.998272864	1.55381279	0.554825353	7.060110726	7.998725668
4.819307684	7.417539086	3.36096029	2.206970166	0.595543816	12.35745577	4.804618039
8.19471439	11.92956782	4.388046774	2.718651017	1.389173082	16.95206222	9.08769016
6.136587045	8.064464007	0.221600354	36.39192743	0.962341564	15.68203232	5.739650922
7.321000564	10.04304352	5.393920932	1.861918936	0.843704928	11.52444834	7.659547338
10.01587219	12.0563277	4.908578128	2.456175167	0.525660166	5.248271506	6.997032905
7.02056368	7.82826331	6.360914931	1.230681969	0.233637613	3.32790391	7.04888903
6.698051139	11.90750395	5.295148237	2.248757432	0.446176031	6.661281339	6.409755382
7.943368108	9.744352039	6.270192977	1.554075301	0.546667628	6.882063386	8.710328207
5.881920949	7.239210819	5.077202949	1.425826561	0.328795843	5.589939857	6.028603885
4.926665427	7.188614612	3.362799437	2.137687587	0.519514563	10.54495319	6.156316162
6.675720495	7.850380861	5.469330861	1.43534576	0.362109924	5.424282279	6.921756735
6.947157296	7.96963523	5.842298165	1.364126754	0.276007226	3.972952021	6.750420162
6.5047674	7.46499219	5.586952579	1.336147405	0.255627081	3.92984199	6.326171011
6.484093783	7.571070138	5.584252005	1.355789483	0.261158425	4.027678099	6.256078307
6.913808158	7.865693737	6.195646453	1.26955174	0.260243421	3.764111104	6.869482378
5.484989127	7.03208633	3.883486317	1.810766346	0.335030167	6.108128186	5.206273671
7.230190033	8.273467853	5.965126187	1.386972814	0.379505881	5.248906036	6.999511171

6.021542029	7.116706877	5.169052342	1.376791413	0.310749081	5.160622966	5.987286255
4.799518616	7.878964816	1.758891771	4.479505191	0.607293105	12.65320865	4.523742697
3.556499046	5.180053052	0.62168241	8.332314011	0.296299089	8.331201145	3.910885903
3.905416601	5.01411136	3.244245421	1.54554009	0.208008298	5.326148774	3.964270606
3.990226975	7.080292158	2.998966966	2.360910353	0.397705887	9.966999108	4.116933447
3.752474142	4.447353676	3.362963942	1.322450598	0.180258329	4.803719405	4.147241006
3.651531234	5.385593167	2.521001464	2.13629117	0.271307438	7.429963517	3.783372885
7.908333066	10.48005772	4.665257724	2.246404881	0.826028893	10.44504431	6.298558794
6.438639324	8.42597962	4.75765084	1.77103783	0.671892571	10.43531929	7.040601809
6.951041953	7.823677448	6.025938068	1.298333531	0.276591204	3.979132996	6.444424288
6.256422496	8.475899637	5.189018386	1.633430257	0.320505976	5.122831391	6.039749421
7.407499548	8.570282334	5.725782334	1.496788008	0.479640213	6.475062329	7.725647476
7.301796373	8.273176512	6.073783487	1.362112517	0.343683679	4.70683735	7.257974629
8.686587251	10.93248729	5.565120321	1.964465575	0.745711956	8.584636685	6.305428293
4.535040482	7.35179504	2.5978449	2.829959186	0.542561253	11.96375767	4.433096745
7.030521424	9.017090502	5.473573254	1.647386466	0.525758654	7.478231299	7.902164442
6.885823165	9.417070249	4.140542506	2.274356617	0.667495701	9.693767685	5.925862077
7.102535317	8.512287812	5.53797606	1.537075589	0.343783962	4.840299221	7.407308416
4.615622559	6.306808749	3.941483328	1.600110472	0.216838812	4.697932059	4.623498196
6.930001538	9.2152027	6.116430383	1.506630849	0.323593036	4.669451143	7.085271878
4.513853191	6.168067216	3.236892604	1.905552013	0.322821014	7.15178364	4.692942367
8.030002841	9.264757837	6.942278772	1.334541314	0.381359937	4.749188072	7.90628839
4.471787301	5.146899618	3.599531047	1.429880601	0.193123197	4.318702663	4.567460377
3.970878763	8.706793351	2.646074716	3.29045635	0.599808737	15.10518887	4.708289409
6.803019228	7.432968683	5.945523637	1.250178981	0.260669537	3.831674261	6.758664658
6.250032618	7.236887351	5.458741525	1.325742814	0.231900753	3.710392682	6.398069782
4.855672465	12.275265	0.26608534	46.13281206	0.904338264	18.62436708	4.932403694
6.223300125	7.646800492	5.150571519	1.484650871	0.23597924	3.791866618	6.248470993
3.426183528	5.178605623	2.337155952	2.215772387	0.302991336	8.843406477	3.441933705
6.621896826	8.066901638	5.775588915	1.396723651	0.311943432	4.710786654	6.792880333
5.542685508	6.3526704	3.108366065	2.043733031	0.264927031	4.779759383	5.348185276
5.898265119	8.376149949	4.336904051	1.931366212	0.50469626	8.556689967	6.083361585
3.779891182	5.819508602	1.914705927	3.039374621	0.334936522	8.861009643	4.002753661
7.441314999	8.820091527	6.295786178	1.400951569	0.355727539	4.780439202	7.56635259
6.772903722	9.425011652	2.372788043	3.972125399	0.549633942	8.115189058	7.502081918
7.455593537	8.171670395	6.324609624	1.292043443	0.273860524	3.673222293	7.852360784
5.549166318	6.800159308	4.554054197	1.493210009	0.376033704	6.776399961	6.158561791
6.099239343	7.463846153	4.942678277	1.510081323	0.378492322	6.205565993	6.716292799
5.978390659	7.463799656	4.773353978	1.563638417	0.347761605	5.816976931	6.530799317
7.127224229	8.02525514	6.308054013	1.272223593	0.31526745	4.423425442	7.538791962
8.160393765	9.548565121	6.724603833	1.419944633	0.424502245	5.20198237	8.042373029
4.161626219	5.511620993	3.084303362	1.78699056	0.280961927	6.751253279	4.17327584
4.566923319	5.942986112	3.562860783	1.668037702	0.273247626	5.983188387	4.654617
5.063918146	7.093191458	4.210091458	1.684806976	0.365408408	7.21592249	5.382972882
7.704782809	9.167503107	5.563873682	1.647683544	0.492898771	6.397309084	7.370102515
9.608488184	10.77936587	7.925094193	1.360156184	0.293065837	3.0500723	9.636482233
8.233999353	9.166159627	7.134704626	1.284728676	0.289856995	3.520245543	8.279001866

7.687262284	9.937739382	4.26120576	2.332142577	0.941885527	12.25254834	7.348103682
5.526505185	7.390295761	4.022598887	1.837194304	0.352304649	6.374818029	5.328949488
5.678126453	7.929268349	4.397315891	1.803206444	0.508029027	8.947124225	5.822102594
7.008702144	7.904028317	5.51882223	1.432194767	0.374018145	5.336482239	7.51294297
8.720727601	9.912114192	7.851046332	1.262521424	0.323853207	3.713603054	8.643112676
6.457918555	7.244061275	5.040214037	1.437252708	0.278221771	4.308226689	6.115987634
6.706581413	7.650386097	5.352245612	1.429378742	0.276004179	4.115422774	6.921271101
7.105116252	9.091891752	5.489016752	1.65637894	0.448172938	6.307749545	6.803471639
6.390479426	7.024513048	5.515811467	1.273523051	0.230433398	3.605885927	6.324781359
4.66980681	10.74767053	3.710183778	2.89680274	0.530184064	11.35344748	5.103556452
5.837874027	8.670399481	3.415436158	2.538592168	0.603210116	10.33270183	6.36061241
6.084632248	7.532058843	4.624580295	1.628701063	0.28764039	4.727325793	6.234841113
7.285126165	8.389505126	6.334205577	1.324476294	0.297478503	4.083367899	7.378985684
8.043015682	9.638397933	5.856126374	1.645865768	0.626424447	7.788427519	7.710531176
8.386639775	9.051022917	7.231582751	1.251596397	0.275412548	3.283943936	8.604731405
6.922480589	7.909828028	5.202619621	1.520354861	0.308620372	4.458233833	6.920779243
4.846332124	6.783367878	3.275602816	2.07087619	0.461448601	9.521604984	4.942319969
7.044169144	8.311098905	5.352034606	1.552885868	0.355151151	5.041774892	6.89197359
7.349066176	9.164621103	4.148308261	2.209243028	0.867302464	11.80153292	6.691837194
8.101922137	8.864674122	6.601380714	1.342851519	0.290293505	3.583020177	7.993102424
7.060517453	9.46148466	4.287484577	2.206768209	0.678920538	9.615733438	8.084696782
6.128660007	7.266897946	5.08453927	1.429214637	0.296322392	4.835027424	6.343400529
5.549102686	8.452615964	2.067587061	4.088154798	0.931730539	16.79065232	5.61224298
5.039393077	6.663934871	4.113731342	1.619924666	0.336345261	6.67432081	5.521974399
5.497652657	6.885545921	4.185218114	1.645205992	0.363282411	6.60795496	5.672059375
7.884150592	8.98934662	7.128615405	1.261022809	0.282211995	3.579485091	8.035546478
5.006808635	11.54334365	2.269768037	5.085693101	1.170980166	23.38775558	3.766786069
6.198117713	7.057460161	5.487718712	1.286046266	0.263836141	4.256713953	6.509121078
4.996883761	7.471895542	3.258563252	2.29300307	0.492882053	9.863788643	4.865756879
3.328619565	4.417159017	2.824732243	1.563744326	0.201983082	6.068073502	3.432925686
4.499371576	5.349508837	3.276503575	1.632688234	0.299832045	6.663864947	4.819013302
7.047228405	8.535828589	5.198028589	1.642128057	0.394957138	5.604432207	6.739400304
7.883110165	10.26226676	5.414707897	1.895257686	0.742862991	9.423475962	7.52673295
8.259066394	9.438159607	7.317008108	1.289893282	0.267662609	3.240833718	8.017992871
7.971143928	8.994485918	6.858454644	1.311444981	0.266142707	3.338827016	7.881097244
4.856689189	6.810887983	3.636892612	1.872721774	0.38491264	7.925412259	4.996981544
8.736811592	10.03640959	6.861010921	1.462817901	0.46323656	5.302123722	9.412450265
6.008495035	8.285988493	4.549099034	1.821457047	0.663172628	11.03725016	7.043255362
6.103947687	7.897272185	5.111823471	1.544903151	0.409733158	6.712592875	6.214516209
6.97123567	12.6980265	3.313226495	3.832525942	1.77728033	25.49448067	7.952572873
6.328966785	7.503392777	5.178085357	1.449067031	0.316420181	4.999555086	6.284406218
6.383964285	7.577389429	5.25513355	1.441902353	0.303977448	4.761578147	6.040733812
5.434692203	6.859038081	4.606727424	1.488917718	0.241131839	4.436899641	5.505985744
4.890698132	6.868569206	3.441337105	1.995901301	0.403971458	8.259995751	6.210052475
6.264193809	6.970619146	5.358845172	1.300768901	0.23542167	3.758211784	6.213439736
8.147348922	8.731870594	6.964326884	1.253799648	0.203121247	2.493096206	8.150048501
5.550878942	6.256940702	5.055649331	1.237613666	0.210596863	3.793937234	5.553337132

4.535366558	7.347088547	3.275417668	2.243099748	0.353076968	7.784970935	4.509994411
6.061846201	7.63777631	4.715340096	1.619772096	0.319257927	5.266678111	6.056839632
6.025536986	7.411165211	3.747550271	1.977602614	0.311594867	5.171238144	5.80821022
7.122113567	8.839518845	5.971721605	1.48022956	0.274768794	3.857967034	6.481589374
5.760148046	7.482017342	3.693099616	2.025945174	0.473580183	8.221666853	5.18617803
5.114617339	6.086383832	4.329517768	1.405787932	0.248837452	4.865221294	4.838172657
6.177044127	6.860636634	5.158054777	1.330082159	0.231606954	3.74947871	5.831012529
7.268346609	8.4820197	5.71450161	1.484297368	0.464005071	6.383915025	5.443170489
3.644510859	6.951117545	2.543261909	2.733150495	0.417936604	11.46756368	3.648234779
5.00535574	7.322631095	2.318168674	3.158799952	0.470645764	9.402843449	7.164066921
4.569455289	8.686251464	2.743115177	3.166564619	0.743820351	16.27809671	7.421804299
5.952264519	8.537684444	4.384221503	1.947366126	0.47939301	8.053960113	6.369380707
5.168762551	10.92797661	1.090905134	10.01734822	1.611111148	31.17015208	5.727844371
7.5697212	11.2077569	3.836115774	2.921641983	1.294422135	17.09999749	9.085111099
4.14598618	6.164224057	2.265879682	2.720455153	0.467670804	11.28008594	5.806516105
5.321512288	8.318349026	3.520634579	2.362741386	0.583182346	10.95895893	5.794292479
5.162162425	9.99504281	2.999939369	3.331748273	1.235973311	23.94293726	7.698283641
4.316383233	8.155621941	3.308598214	2.46497804	0.596975829	13.83046399	6.076035711
6.352848355	7.974464772	5.070814772	1.572620009	0.376229616	5.922219373	7.554926391
5.807910274	7.436246724	3.773606416	1.970594149	0.441113949	7.595054465	5.146198973
5.056068003	7.96352041	3.106600049	2.563419907	0.586663141	11.60314974	5.007500806
4.532967714	6.0725142	3.536338303	1.7171757	0.294138822	6.488879708	4.711949191
6.597010246	11.0529496	4.129974347	2.676275606	0.519546307	7.875481275	6.250441356
5.671025179	8.079425014	3.981201909	2.029393434	0.706695482	12.46151197	5.893429188
6.535345013	7.404600298	5.496885769	1.347053697	0.277363563	4.244053865	6.853213116
6.855068316	11.19054727	4.15229127	2.695029453	0.955480483	13.93830723	7.735265517
6.679448032	8.181744173	4.369554206	1.872443684	0.300610053	4.500522369	6.561915138
4.007059676	5.264215771	2.571907819	2.046813549	0.231036072	5.765725759	4.086169834
5.584108027	8.226064967	4.485005752	1.834125846	0.303752842	5.439594665	5.435925887
3.904279179	4.930680397	2.914503377	1.691773781	0.17664976	4.524516599	3.933310912
7.458962067	10.25133829	4.442562306	2.307528311	0.548430806	7.352642385	6.803343332
7.229163302	8.506095313	5.995890167	1.418654291	0.353642979	4.891893626	6.955854905
5.833472181	6.525373046	4.845732475	1.346622637	0.235582169	4.038455339	5.745715079
4.309825635	5.435558852	3.644845725	1.491300116	0.202239602	4.692524	4.375162135
7.134547726	8.740146184	5.857861139	1.492037106	0.383031998	5.368693468	7.655775371
5.341661643	7.327014401	3.595118884	2.038045093	0.409431847	7.664877984	5.112446827
4.948443607	6.112759256	3.87414988	1.577832414	0.242969293	4.910014391	5.109981781
8.27797726	9.481731415	6.8546512	1.383255127	0.3525711	4.25914555	8.063648816
4.907927503	10.92219984	3.658680667	2.985283722	0.480347091	9.787167607	4.840513494
5.023726941	6.149686525	3.233401694	1.901924693	0.248702703	4.950561725	5.074511229
6.829524986	8.839633701	5.726195751	1.543718393	0.401044262	5.872213111	6.864703007
6.703386137	8.50176301	5.32766301	1.595777172	0.445441515	6.645022475	7.353066838
8.540734924	11.58850945	1.970097751	5.882200234	1.792223188	20.98441415	5.515714675
6.909080464	7.963284379	5.304819069	1.501141561	0.383726467	5.553944109	6.952130852
6.193113088	6.882515556	5.084523416	1.353620584	0.217348335	3.509516651	6.013253751
3.367914704	4.652936178	2.137396136	2.176918026	0.269559653	8.003755341	3.385658144
8.266520162	9.566010222	6.456020333	1.481719345	0.413056486	4.996739598	8.276162296

5.388730571	7.433558482	3.380768757	2.198777561	0.500600443	9.289765685	5.276303251
5.506412482	7.964864188	3.951299549	2.01575813	0.410308596	7.451468583	5.876415426
3.839672699	5.9739924	2.937707139	2.033556143	0.308622007	8.037716525	4.017285731
9.892583908	12.52375513	7.537566942	1.66151163	0.790583686	7.991680365	10.25545372
9.585700957	16.07015121	5.870951208	2.737231266	1.486462907	15.50708617	9.900065925
10.23744404	13.27889236	7.793390982	1.7038658	0.829253902	8.100204498	10.55775859
10.86575454	12.63001543	8.152398949	1.549239128	0.639648618	5.886831108	11.464682
5.678100168	8.383608491	3.962026377	2.115990075	0.40214401	7.082369061	5.782235765
6.573899496	8.10034889	5.057708269	1.60158484	0.309451046	4.707267671	6.687830844
5.998881853	7.232225082	4.803975251	1.505466765	0.371969911	6.200654059	6.669587185
6.72869918	7.923919199	5.475319246	1.447206792	0.297198445	4.416878162	6.818403891
7.588373828	8.75271777	6.448974257	1.357226347	0.271575982	3.57884295	7.740462115
6.340291134	7.28074134	4.662691847	1.561488852	0.367086374	5.789740032	5.753764334
6.180230564	8.815551223	4.359187643	2.022292212	0.638970972	10.33895038	6.929707064
3.550523054	7.22501015	1.965054407	3.676748147	0.465161146	13.10120055	3.421680838
7.633889874	9.129553429	6.648028825	1.373272239	0.274983161	3.602136865	7.197097429
7.750222225	9.283709775	6.978326786	1.330363289	0.282041795	3.639144624	7.872412416
6.894756078	9.477452735	4.453348827	2.12816312	0.981907011	14.24135966	6.478076525
4.449639898	5.676641887	3.928953173	1.444822994	0.211896783	4.762110818	4.398881563
4.293939315	6.24029154	3.668661342	1.70097236	0.293641616	6.838513421	4.192001142
3.615109149	4.374481474	2.797568271	1.563672822	0.176492983	4.882092793	3.600319695
6.46197549	7.219071757	5.075973037	1.422204512	0.244622899	3.785574538	6.567763795
7.610748782	8.629506613	6.649939937	1.297681888	0.28588146	3.756285594	7.349588115
6.622850525	7.633048972	5.769191186	1.3230709	0.264750279	3.99752762	6.595233881
5.271881102	7.067112735	2.311758043	3.057029587	0.395834499	7.508410972	5.232194742
6.065117262	7.588391908	4.712729968	1.610190263	0.276413673	4.557433285	5.993558926
8.344206378	10.13908832	5.719530516	1.772713388	0.649662249	7.785788361	8.587778027
6.423548712	8.885160807	4.228144196	2.101432779	0.65597591	10.2120485	7.467782081
4.247579861	7.125616804	3.234431698	2.203050634	0.40552562	9.547215911	4.522548891
4.898139486	6.695797709	3.356415995	1.99492486	0.458643903	9.363635	5.531491215
4.958483797	7.275445747	-0.1638566	-44.4012982	0.506051086	10.20576263	6.10131513
5.53935919	6.75691481	4.758854111	1.419861726	0.233627491	4.217590571	5.517195955
4.728443507	8.915867982	2.28710996	3.898311903	0.705786581	14.926404	4.613693761
6.779664957	9.45000877	2.805187469	3.368761937	0.824794709	12.16571488	8.100494949
5.002513156	6.399147811	4.38587861	1.45903441	0.266866225	5.334643152	4.945380918
4.346331781	7.79035397	2.863498253	2.72057228	0.364029734	8.375562479	4.29155482
7.851809485	9.050181231	6.675728489	1.355684439	0.384836506	4.901246099	8.393100103
7.228736521	9.580308984	5.72345334	1.673868627	0.599404204	8.291963634	7.314311123
3.597201317	5.37282519	2.697365136	1.991879082	0.264098163	7.341767663	3.568493421
3.952581108	7.899001664	2.687749909	2.938890125	0.443105924	11.21054602	4.032395419
8.439065805	9.403170272	6.906045586	1.361585318	0.367349403	4.352962893	9.177132625
8.071078908	10.46263772	4.122213419	2.538111606	0.711804553	8.819199525	7.398987078
5.346075529	7.548592	3.73104271	2.023185631	0.559360739	10.46301602	5.057351177
4.131736999	12.15402667	3.044038421	3.992731033	0.864299252	20.91854474	4.328909939
4.239236858	12.52712498	3.52572498	3.553063569	0.814650571	19.21691565	4.25362223
4.873756194	9.573306444	3.530289221	2.711762647	0.479285592	9.834008374	4.802268417
6.37989754	9.403661255	4.273303563	2.200560086	0.747325411	11.71375255	5.702199185

9.281429194	9.988298919	8.50869097	1.173893723	0.196879642	2.121221185	9.21836074
5.94207243	7.678298891	4.557882949	1.684619587	0.38250794	6.437281687	6.259718816
7.880114712	8.93936279	6.13730279	1.456562124	0.35644796	4.523385423	7.979191092
6.20814798	7.353761193	3.65804397	2.010298742	0.473402056	7.625495676	5.772524926
6.154491014	7.42905401	4.888746652	1.519623441	0.36714555	5.965490072	6.53258848
5.649006971	6.701258254	4.172218993	1.606161677	0.346106479	6.126855237	6.080412337
7.441523834	9.089324984	5.405769189	1.681411963	0.554806559	7.455550393	6.849703161
4.89191039	6.409805185	3.784963757	1.693491826	0.31486807	6.436505277	5.20001211
6.014863568	7.644982522	3.089331506	2.474639742	0.364908932	6.066786518	6.491709791
6.133639603	7.269796969	4.766678026	1.525128597	0.331969443	5.412274998	6.468040486
4.692429091	9.236698797	2.716450253	3.400282699	0.743579411	15.84636437	4.500070356
4.679733229	5.506271843	4.134098761	1.331915893	0.241551989	5.16166151	4.707095638
4.648283024	7.473830145	3.480373831	2.147421659	0.325400837	7.00045232	4.562553786
7.534133195	8.398230112	6.683125316	1.256632147	0.286623148	3.804328125	7.582329327
4.947265549	6.264611321	3.397352332	1.843968688	0.253113334	5.116226957	4.855129422
4.633666592	6.095131226	2.929318664	2.080733415	0.345038206	7.446332158	4.668123451
6.452751919	7.637288585	5.162681467	1.479325934	0.340826384	5.281876444	6.288536081
6.794949674	8.194428152	4.416792871	1.855289209	0.613330302	9.026267031	6.141668757
10.04185291	10.88920229	9.084409815	1.198669205	0.21195739	2.110739836	10.01631874
6.984264694	8.299680812	5.510431253	1.506176274	0.396298325	5.674159595	7.208951711
6.23089362	7.751270134	4.944912888	1.567524102	0.358322956	5.750747452	6.079192927
6.69065419	7.5423062	5.3320562	1.414521137	0.244294495	3.651279658	6.861699784
8.868240091	10.13904323	7.350692161	1.37933177	0.278604886	3.141602879	8.878889849
6.41413574	8.212429767	2.49759677	3.288132763	0.797423271	12.43227931	5.565408456
6.503020658	7.42939332	5.224048933	1.422152322	0.229238024	3.525100662	6.585809452
9.775298186	10.62241144	8.895851871	1.194085917	0.247032418	2.527108774	9.618458169
6.128918756	8.506131242	5.456664794	1.55885171	0.28352816	4.626071436	6.415549066
5.36528765	10.21045856	1.182221639	8.63667034	1.339056262	24.95777206	5.093719787
7.507840144	8.32833882	6.663719857	1.249803263	0.231648209	3.085417435	7.271050319
6.808849784	7.933755557	5.791809852	1.369823209	0.299252187	4.395047571	7.031118777
5.123217512	6.880649139	3.258960449	2.111301824	0.515669241	10.0653396	4.983132443
5.769426081	6.545245457	4.815283612	1.359264788	0.267841736	4.642432927	5.928588635
5.533116152	8.001833855	3.917633855	2.042517027	0.695296933	12.56610044	6.40336483
7.665471624	8.276668531	6.703401864	1.234696755	0.201833187	2.633017204	7.727808937
7.806072121	9.168472145	5.358483524	1.711019937	0.563730259	7.221689095	7.071359588
4.166824985	8.438716365	1.919949231	4.395280995	0.609360551	14.62409755	4.485051201
9.823777765	10.88904773	8.633420361	1.261266946	0.317248669	3.229395826	9.936862285
7.03697808	8.259953134	5.967953134	1.384051273	0.30735502	4.367713187	6.959767058
7.100037195	8.17475797	5.22155797	1.565578323	0.421537598	5.937118162	6.765027903
8.482748948	9.824052743	7.300633914	1.345643797	0.401035097	4.727654914	8.591863106
6.945205812	8.258664511	5.099634769	1.619461959	0.333410147	4.800579791	6.757049515
4.443080661	10.893571	3.100598831	3.513376477	0.969880071	21.82899986	4.275420046
8.230257747	9.32985775	7.2336135	1.289792128	0.274681077	3.337454132	8.404759411
9.652131225	10.65675463	8.27381608	1.288009611	0.303598552	3.145404313	9.632067647
7.728632183	9.119649006	6.532535246	1.396035178	0.33714518	4.362287813	7.748835159
8.62563148	10.3226996	7.383788193	1.398022171	0.402977709	4.671863265	8.71417588
9.295155488	10.79350025	7.673990966	1.406504164	0.382227102	4.112110901	9.363803225

6.643690475	7.807138632	5.563988632	1.403155029	0.288714065	4.345688079	6.69191035
7.190388816	8.247267763	6.081207578	1.356189154	0.336064622	4.673803197	7.103462992
6.18899206	7.316671895	3.734314757	1.959307764	0.34592416	5.589345673	6.023264987
8.499797316	9.360139673	7.620135405	1.228342959	0.265003732	3.117765311	8.602019848
7.346358843	8.371867249	6.324246421	1.323773094	0.271282386	3.69274619	7.369550823
6.544097055	7.737310526	5.026051106	1.539441276	0.272259201	4.160378409	6.670397864
8.623236876	9.846265327	7.289898555	1.350672475	0.340483247	3.94843899	8.751158206
8.583243221	9.378086225	6.994076293	1.340861299	0.284197258	3.311070773	8.639978758
8.668938589	10.06773004	4.02631166	2.500484536	0.449496611	5.185140105	8.783935842
6.243924455	7.459838333	5.211428585	1.431438273	0.326462947	5.228489707	6.516868034
8.045578467	8.942875312	6.840761741	1.307292324	0.273186109	3.39548126	8.090519593
11.26606678	12.35686001	10.28864363	1.201019342	0.253622451	2.251206711	11.14703557
6.145007701	7.947570958	3.768420958	2.108992346	0.443198957	7.212341761	5.937112497
3.865501576	4.831682518	2.889137171	1.672361758	0.19485987	5.040998341	3.987990738
4.390474117	6.310590091	2.652832705	2.378811931	0.347586901	7.916842043	4.682813086
3.945490828	5.195684615	2.996741045	1.733778307	0.273072992	6.921141222	3.932364062
4.099148644	9.503881203	2.952903316	3.218487091	0.55038618	13.42684123	4.36512092
5.587290681	6.329472553	4.631971692	1.366474792	0.235212381	4.209775265	5.571650495
4.170067381	6.466010884	2.269003781	2.849713578	0.460567703	11.04461058	5.372687146
5.158199234	9.647010713	4.137782735	2.331444479	0.358874323	6.957356759	5.327314587
8.759254742	11.69330551	4.809329369	2.431379641	1.415245514	16.15714528	6.613237293
5.969400647	6.956145686	5.331687662	1.304679892	0.234686678	3.931494835	5.775301087
8.232838656	9.972048744	6.910005349	1.443131841	0.415017923	5.041006388	7.733036312
4.540622865	7.014872911	3.71299122	1.889278077	0.293660853	6.46741342	4.582531929
4.896955121	5.863757585	2.328667341	2.518074386	0.335436583	6.849901113	4.821615851
5.209680032	6.260252501	4.051375494	1.545216559	0.270851972	5.199013582	5.400196969
5.143610316	7.081525801	3.108107401	2.278404472	0.38260645	7.438480495	5.300378078
6.304103801	7.299330389	4.964030389	1.47044434	0.303481686	4.814033771	6.28607384
5.552508978	6.778622696	4.686812465	1.446318313	0.285408383	5.140169689	5.459948435
4.509943093	6.928916168	2.269629087	3.052884811	0.419846659	9.309356034	4.414354812
8.776333862	9.521161433	7.830847318	1.215853285	0.243586878	2.77549694	8.701247955
7.289640835	8.438891269	6.434940692	1.311417101	0.244251671	3.350668112	7.178212765
7.275605408	8.526832835	5.565115561	1.53219331	0.391090552	5.375367821	6.850410001
7.271388512	9.531039067	5.480160925	1.739189633	0.66156289	9.098164521	7.901560553
6.488323996	7.661348426	4.968650085	1.541937608	0.354412751	5.462315858	6.17905769
7.60472494	8.342733238	6.344815803	1.314889746	0.28369996	3.730574902	7.68227961
4.959388499	6.049549013	4.225552281	1.431658778	0.246918949	4.978818431	5.134339531
7.642913966	9.578216652	5.920540073	1.617794413	0.440947415	5.769362535	7.927037668
5.785154132	8.215777114	2.738114194	3.000523912	0.315945519	5.4613155	5.916581321
6.545451625	8.519512561	4.294208932	1.983953901	0.493173501	7.534598515	7.051907331
5.803093483	6.616455889	3.498330393	1.891318185	0.346630251	5.973197772	5.66152026
5.813938972	7.708851713	4.982349016	1.547232377	0.292187058	5.025629951	5.763417774
6.357593794	7.097188905	5.188067901	1.367983041	0.245866113	3.867282508	6.031400358
5.646711594	6.651858234	4.138244322	1.607410708	0.267555824	4.73825906	5.648223771
6.193847776	7.208070992	5.360990454	1.344540912	0.290102596	4.683721761	6.062922935
6.467430691	7.301322536	5.454363363	1.338620486	0.189971193	2.937351815	6.410364246
4.790026771	6.885117583	3.679216464	1.871354309	0.3252697	6.790561214	4.782905755

5.106138948	7.761975222	1.311902298	5.916580248	0.728383035	14.26484947	4.875654716
4.734879489	6.964045699	3.516230182	1.980543178	0.322347604	6.807936813	4.6820734
3.559781552	4.66550519	3.075843869	1.5168212	0.19514804	5.482022903	3.732119437
7.824032644	8.587249789	6.800749789	1.262691623	0.281243925	3.594615942	7.661744269
6.470669692	7.796847198	4.653570987	1.67545466	0.488460038	7.548832834	6.990730768
8.497451286	9.743847332	6.908017045	1.410512925	0.495203778	5.827674215	7.905064876
6.271077644	7.100317593	5.093240093	1.394066932	0.243790869	3.887543457	5.804579364
5.87325532	9.729820543	4.108518764	2.368206427	0.825874369	14.0616119	6.672965984
6.180998038	7.478187773	4.928896966	1.517213248	0.330773277	5.351454169	6.10808465
3.72038028	6.052164694	2.243326744	2.697852514	0.401409513	10.78947534	3.935564162
4.565308742	6.30309953	1.975511483	3.190616498	0.325421464	7.128137059	4.889019929
4.876505245	6.876130464	3.988413067	1.724026661	0.366663972	7.518990614	4.808545895
8.499036481	11.44755089	5.608066918	2.041265031	1.169944207	13.76560989	7.279764208
7.840515301	10.94635179	4.53582034	2.413312471	0.621199171	7.922938066	7.590857783
7.880492818	9.21499015	5.814578476	1.584807942	0.387467824	4.916796867	7.777882587
7.039987778	7.735412053	6.181249264	1.251431826	0.24246383	3.444094469	6.926068909
6.88915094	8.039080583	5.759322161	1.395837975	0.285004893	4.137010435	7.103776374
9.09097176	9.85855231	7.967182027	1.237395139	0.272555353	2.99808821	9.273288952
4.526200805	5.851869743	2.955418555	1.98004771	0.318452933	7.035766794	4.497884073
6.828267969	7.62897244	6.164055363	1.237654757	0.173945514	2.547432455	6.725040061
5.716763257	6.436679185	4.683380111	1.37436617	0.21294822	3.724978802	5.607634413
4.510281603	9.914840308	3.270076005	3.031990783	0.636893112	14.12091678	4.33208883
7.565302431	8.679624842	5.687319326	1.526136365	0.375913519	4.968915949	7.69061452
6.77693815	7.783412081	4.853080433	1.603808589	0.365709668	5.396384921	6.947918026
6.167917146	7.951538378	3.519084045	2.259547734	0.655039238	10.62010436	6.203606135
4.818428343	7.460813785	3.010161834	2.478542416	0.747905384	15.52177039	4.328682781
4.982304609	6.653663679	4.212084651	1.579660484	0.234740054	4.71147537	4.9490977
7.885013743	11.56755957	4.844193509	2.387922686	1.049326958	13.30786467	8.383770508
4.924410027	6.497497397	0.867138838	7.493030079	0.417340976	8.474943672	5.518008006
6.191589193	6.882631877	5.021331877	1.370678546	0.257966127	4.166396046	6.207338712
5.390588465	7.754730923	4.294345993	1.805800216	0.420443942	7.799592649	5.460320999
4.763773694	6.145652024	3.145259261	1.953941317	0.342377627	7.187109405	4.701078131
9.942839064	10.65629549	8.686163843	1.226812628	0.274080554	2.756562304	10.00874206
4.406252851	5.501767994	3.677845077	1.495921627	0.229464932	5.207711406	4.479292846
5.546636736	7.697072301	4.664469376	1.650149606	0.293744827	5.295908865	5.522503972
5.632969609	7.234588369	4.367269249	1.656547366	0.370741882	6.581641797	5.613403635
5.541404711	9.935988259	3.375869818	2.943237979	0.872880155	15.75196544	5.071669727
4.59545963	7.158278044	3.161398635	2.26427568	0.347649857	7.565072594	4.70365792
4.493859598	8.204313066	2.684844806	3.055786706	0.646112539	14.37767524	5.235559152
5.577633709	7.97402032	2.814611347	2.833080429	0.808313331	14.49204759	4.583986401
6.938244809	7.806472974	5.908024819	1.321333815	0.221851862	3.197521399	6.541297959
7.065794792	8.429010175	6.016671827	1.400942318	0.346026972	4.897212307	7.728233886
6.293205933	7.923575371	4.260057201	1.859969244	0.586724072	9.323134786	5.660206636
7.457886525	9.262789058	6.340244304	1.460951442	0.336126634	4.506995822	7.818210812
5.42716893	6.701754449	4.897107588	1.368512807	0.179260055	3.30301226	5.27420034
5.986131467	7.919355553	4.490997034	1.763384721	0.50144952	8.376854441	5.963066101
4.622907844	5.909756733	3.669662923	1.610435851	0.297546601	6.436351554	4.308744433

8.694443121	9.244534395	7.728391926	1.196178258	0.23886463	2.747325231	9.030688975
7.166338273	9.431317318	4.516644137	2.088124951	0.810531596	11.31026146	7.464896128
6.085683713	7.688478385	4.936840286	1.557368264	0.37297868	6.128788444	6.201081598
7.121632949	9.459275286	4.810170658	1.966515527	0.579231072	8.133402503	5.276658771
4.810547274	7.428669226	3.537117558	2.100204221	0.514367067	10.69248545	4.61298532
4.952449313	7.369212013	2.767759726	2.662518695	0.694245793	14.01823116	5.42208596
6.341970843	10.43136812	3.715380981	2.807617355	0.724039139	11.41662674	6.838429752
4.44251548	5.618305963	3.449358933	1.628797139	0.292701721	6.588648302	4.785373698
7.757002084	8.650407897	6.562566802	1.318143976	0.315149193	4.062770504	7.781889021
7.297834034	9.201349578	5.732679747	1.605069529	0.464540245	6.365453674	7.58334289
6.050883203	7.373348668	5.146390294	1.432722403	0.285117367	4.711995878	5.879610394
6.329748543	7.310536604	5.654243677	1.292929173	0.241043584	3.808106783	6.189067593
7.001255005	7.970937042	5.359864785	1.487152636	0.29089183	4.15485266	7.065375137
6.729475284	10.49175795	4.479591283	2.342123932	0.99841398	14.83643134	6.207431787
6.331348612	7.689563952	1.669683358	4.605402523	0.377701214	5.965572858	6.2366324
4.983943221	5.992743455	3.991108334	1.501523625	0.300453642	6.028432286	4.761001444
6.004458298	9.349710878	4.361215839	2.143831267	0.726966293	12.1071087	6.701526993
5.780991975	7.749198272	3.82876673	2.02394108	0.469077381	8.114133057	6.453840668
9.174450179	10.18035165	7.682054379	1.325212131	0.391512478	4.267421702	9.392531907
10.79327181	11.61998217	9.368622166	1.24030855	0.242015724	2.242283231	11.02678059
7.938320174	8.818847541	6.495536681	1.357678045	0.335916792	4.231585329	7.673455348
5.102769085	8.88281297	2.878170139	3.086270978	0.77228441	15.13461412	4.752116956
6.757848746	7.395331722	5.844356569	1.265379967	0.234689574	3.472844427	6.759692002
9.224297132	12.10450156	7.385901564	1.638865812	0.653034707	7.079506418	8.663309627
4.612938425	5.908115069	3.687630004	1.602144213	0.274218062	5.944541995	4.640300298
5.383804162	6.340557046	3.080828284	2.058068954	0.269516031	5.006051906	5.660060591
4.642598848	8.878300413	2.301073428	3.858329901	1.123753362	24.20526517	4.595189887
5.996976847	6.990582204	4.980213016	1.403671325	0.251001192	4.185462085	6.029369818
5.953903358	7.328174128	4.71551492	1.554055973	0.316168772	5.310277196	5.800097685
5.33196321	9.294066655	2.798972035	3.320528586	0.995041225	18.66181715	5.864157837
6.269723224	6.923181096	5.316594142	1.302183487	0.225427707	3.595496942	6.241609327
4.803341686	10.04298345	2.73620217	3.670409871	1.269303911	26.4254345	4.41382595
6.886167929	10.26186881	2.912968813	3.522821379	1.197006704	17.38276958	6.124132271
8.178109808	9.68485475	6.638685426	1.458851283	0.389214741	4.759226158	8.290704239
3.761879946	5.235249659	2.803661262	1.867290364	0.284833445	7.57157191	3.723176546
4.205347467	5.266859996	3.634792187	1.449012688	0.213380029	5.074016607	4.286165565
4.57384907	6.13009516	3.898634516	1.572369796	0.251052697	5.488871467	4.994559627
6.577292793	8.017628937	5.546409932	1.445552895	0.317260845	4.823577947	6.315203291
5.3092623	6.254595205	4.517619881	1.384489038	0.232715417	4.383196839	5.544374356
7.588688358	8.6855622	6.26457619	1.386456471	0.441638921	5.819700329	7.029262659
5.091128485	7.635581861	3.321073716	2.299130496	0.451208467	8.862641528	5.272622909
6.729834659	7.621132649	5.91124963	1.289259146	0.22877176	3.399366726	6.612666912
4.955641626	8.747153426	3.384817547	2.584231884	0.510489393	10.30117655	5.309246653
3.805998294	4.76321428	2.707220099	1.759448477	0.257378496	6.762443816	3.799447462
5.046908693	7.104493106	3.692553809	1.924005302	0.343351198	6.803198127	5.217052326
5.104767076	6.946552304	3.653681469	1.901247375	0.334294754	6.548677921	4.930525367
8.518204747	9.16117107	7.509446618	1.219952885	0.247166315	2.901624487	8.520557668

7.485403115	9.682747725	5.089211373	1.902602784	0.518931328	6.932576916	7.561055786
4.740156325	6.149717398	2.399356344	2.563069639	0.322199	6.797223089	4.652195403
6.655341337	7.986286941	5.521727501	1.446338476	0.325630724	4.8927727	6.371856509
5.123274255	7.354861787	3.825390204	1.922643546	0.583742112	11.39392667	5.502045284
4.413137306	5.289443457	3.327418157	1.589653962	0.261598724	5.927726832	4.607866075
5.576910785	7.292750135	3.0649737	2.379384245	0.485249298	8.70104108	5.047710914
5.660922498	7.139594608	4.343104883	1.643891824	0.457490233	8.081549125	6.377328627
6.223220757	7.572601078	4.847601078	1.562133714	0.356112633	5.72232044	6.618590863
7.639429436	8.421094917	7.087499892	1.188161558	0.198933513	2.604036271	7.826053982
10.52101912	11.55383816	9.31817621	1.239924841	0.350005559	3.326726761	9.399242572
7.257240371	8.504718794	6.289410442	1.352228301	0.305851398	4.214431134	7.234231776
4.309067391	8.831093706	3.623716503	2.437026654	0.415762766	9.648555672	5.018721664
7.738364258	8.340185387	6.173066288	1.351060397	0.256821114	3.318803635	7.661883194
7.050828255	8.75917253	4.873993986	1.797124197	0.439344415	6.231103621	7.336510193
6.232211021	7.569977324	4.118567867	1.838012039	0.340449531	5.462740756	5.625553405
10.66311532	11.77066042	9.416856378	1.249956456	0.335258671	3.144096832	10.56944994
6.294433259	8.698602173	4.15023455	2.095930258	0.68690143	10.91283999	8.191811284
4.108249156	5.682453967	3.034575648	1.872569554	0.381764708	9.292637659	4.548283356
6.84002393	7.715657342	5.422581918	1.422875202	0.331968223	4.853319618	6.587118966
5.103574066	8.392769427	2.185477431	3.840245297	0.953891632	18.69065914	5.069671493
6.356606414	7.955507319	4.929362232	1.61390195	0.501217926	7.884992293	5.98569929
9.63460122	10.9103605	7.772298884	1.403749478	0.463633054	4.81216652	8.98558601
4.924075932	7.366177068	2.641189169	2.788962319	0.518089384	10.52155553	5.051403193
4.112313583	6.819146653	2.957028459	2.306080833	0.279318614	6.792249864	4.012958841
6.390158394	7.524417381	5.234849892	1.437370228	0.328381422	5.138862015	6.1327049
4.372382999	5.497507739	3.500145624	1.570651147	0.2509747	5.739998068	4.446955184
4.421230701	6.959290196	3.413269749	2.03889253	0.378996641	8.572197809	4.492060337
4.007727585	5.087822658	3.143533999	1.618504097	0.170925876	4.264907543	4.007245459
6.492987207	7.480758005	5.197359415	1.439338212	0.29868869	4.600173704	6.597523395
4.888673575	8.442378707	2.332476826	3.619490926	1.023747962	20.94122151	4.708973308
8.07044795	9.110063328	6.116393753	1.489450107	0.417819896	5.177158668	6.677970346
6.577120807	7.859128917	5.75246225	1.36621999	0.255828129	3.889667477	6.45577028
8.851753244	11.38394387	5.540846571	2.054549558	0.903135816	10.20290321	7.682315963
7.721860572	8.864204551	6.45026021	1.374239839	0.356327098	4.614523849	7.121591901
9.230984908	10.09851388	7.277446851	1.387645157	0.33273304	3.604523712	9.269741697
7.683198818	8.398154614	6.929604531	1.211924083	0.237217876	3.087488444	7.482723787
5.597789144	6.312781158	4.570081158	1.38132802	0.236866745	4.23143386	5.43911181
6.429348895	7.367909019	5.290458299	1.392678782	0.310389048	4.827690224	6.252402451
5.424675816	7.076327388	4.228033085	1.673668877	0.294469558	5.428334668	5.485276332
4.566223101	8.437634681	2.695258194	3.130547827	0.931203857	20.39330617	3.401323402
4.814106087	7.058042368	3.218894834	2.192691197	0.574639563	11.93657872	4.833052709
4.451961512	8.111392383	1.226498544	6.613454555	0.466066796	10.4687966	4.819456873
3.686838817	5.2895041	3.094063684	1.709565362	0.290684472	7.884382437	3.895278474
7.213069464	8.446215646	6.475581923	1.304317627	0.329439432	4.567257167	7.058865643
7.132688265	7.868277202	6.399502202	1.229513946	0.196110085	2.749455431	6.784346672
8.729707069	9.655727484	7.042636261	1.371038788	0.313043403	3.585955407	8.843715408
7.945591235	9.114173172	6.684821229	1.36341315	0.370517806	4.663187357	8.558945211

6.32077902	7.38024471	5.23394471	1.410073113	0.241991133	3.828501711	6.456955328
7.511402617	9.636156457	4.567762467	2.109601041	0.643060379	8.561122491	8.99414893
7.750763768	9.130417808	6.578014013	1.388020425	0.301611266	3.891374774	7.771355096
8.205353383	10.88997899	2.482289115	4.38707116	1.122785742	13.6835757	6.258046971
3.822060267	8.331126443	-1.421508788	-5.860763237	0.588534799	15.39836524	4.651249136
6.122122795	9.803777386	4.309189525	2.275086145	0.856359316	13.98794739	5.844580496
7.433652761	11.99481266	2.66501027	4.500850444	1.806645163	24.30359907	4.989157797
6.720082392	7.477828378	5.567414257	1.343142082	0.289010961	4.30070562	6.756148272
6.219480148	7.878417022	5.371216333	1.46678453	0.277168712	4.45646107	6.457148512
5.54892034	6.44323864	4.653155061	1.384703186	0.261043344	4.70439883	5.076122918
5.766612817	6.905315743	4.739691232	1.456912572	0.22378497	3.88070045	5.957785109
4.895160327	5.725891192	4.049958451	1.413814799	0.267510559	5.464796689	5.031755474
6.029063945	8.404426542	4.424866879	1.899362573	0.282916066	4.692537157	6.050925102
6.907352786	9.253562031	4.267126037	2.168570122	0.748630404	10.83816662	5.388467861
5.914080299	7.206580181	4.183774193	1.722506963	0.48046495	8.124085662	5.814748518
4.294805039	5.88084015	2.477554598	2.373647045	0.354929256	8.264152913	4.410030826
5.395487433	7.069229806	4.218784332	1.675655651	0.297444753	5.512843029	5.114784874
5.550334546	6.976855081	3.770500456	1.850379058	0.508071007	9.153880783	5.748596302
5.167869576	7.602516279	3.658093905	2.078272586	0.447517232	8.659607704	5.026642365
4.119740662	7.59303574	2.962099962	2.563396185	0.370910491	9.003248552	4.106665969
6.281148524	7.509467359	4.760859339	1.577334432	0.261313228	4.160277802	6.420731838
5.264069111	7.99151145	2.831304919	2.822554151	0.481281833	9.142771933	5.236108168
3.548732883	4.559416399	2.956894159	1.541961313	0.217215217	6.120923278	3.555100923
6.270415669	7.272690591	5.611990186	1.295920048	0.238495744	3.803507716	6.336178171
5.436802889	7.758974843	3.447874843	2.250364412	0.542404533	9.976534813	4.882691469
5.06958849	8.233258986	3.275508312	2.513582077	0.400661045	7.903226185	5.001542851
5.184123409	7.016606013	1.902927918	3.687268418	0.633862043	12.226986	5.886697636
8.275000318	10.2863446	5.307471174	1.9380877	0.503506985	6.084676319	7.02853433
5.357256525	7.351339948	3.251365947	2.261000474	0.341729486	6.378815061	5.106845952
7.783444935	9.536646561	4.812813594	1.981511724	0.550449331	7.072052748	8.509308234
7.62865397	8.393906634	6.758045914	1.242061202	0.262644858	3.442872869	7.554385794
4.366154293	5.549805277	0.4867694	11.4013027	0.324188479	7.425034867	4.470319806
5.353417191	8.945454873	4.336704873	2.062730837	0.599433961	11.19722113	5.65975746
6.172461776	7.724092004	4.945936712	1.561704578	0.322385193	5.22295973	5.720496582
5.875980525	7.107780779	4.031789177	1.762934634	0.393792433	6.701731426	6.021680948
7.110387272	10.63051511	4.849443781	2.192110185	0.983662641	13.83416407	6.065018606
6.419895346	9.763944725	4.118597864	2.370696302	0.859544921	13.38876842	6.312387792
7.329850976	10.77170849	4.94715366	2.177354744	0.823094517	11.22934858	8.093207787
8.505549281	12.36678075	2.578204709	4.796663628	1.469942479	17.28215816	5.90582717
4.199511132	5.644809818	3.287342061	1.717134911	0.268070768	6.383380332	4.141430785
7.634025133	8.987089767	6.159539767	1.459052154	0.395872482	5.185632417	7.637148381
4.388634468	9.93974794	2.920655235	3.403259591	0.546214888	12.446124	4.296570099
7.650879649	8.342781025	6.491177046	1.285249342	0.274562921	3.588645145	7.631670292
5.438504326	6.369708644	4.0852441	1.559199032	0.252961753	4.651311058	5.593592679
6.150062004	7.361887333	5.276420878	1.395242628	0.281309129	4.57408607	5.835445627
6.003588467	7.561506461	3.807848712	1.985768615	0.52308078	8.712802067	5.715086247
7.031271488	8.181616737	5.388716737	1.51828666	0.389130678	5.534286057	6.644309989

6.489329098	7.456558809	5.347341412	1.394442254	0.300215745	4.626298652	6.03092998
5.951702203	6.636106663	4.87449355	1.36139408	0.296975912	4.989764304	5.661982345
5.764318989	6.648188973	4.932830746	1.347743175	0.218141763	3.784345797	5.72184867
4.654387688	5.893039874	4.003800059	1.471861678	0.255468771	5.488772926	4.798742083
6.65901017	7.603663236	5.73190052	1.32655185	0.24644744	3.700962061	6.918337734
4.709794719	6.967690958	-1.117514476	-6.23498944	0.561584818	11.92376422	4.924302268
8.224381232	8.841868796	7.163568066	1.234282792	0.227507009	2.766250766	8.23105326
10.68717987	11.75345157	9.145647615	1.28514153	0.3436927	3.215934461	10.29812401
7.749873717	9.554496307	6.418838954	1.488508494	0.415642888	5.36322143	7.229632574
5.322260763	7.504506911	4.431232197	1.693548561	0.318513525	5.98455317	5.595550076
7.02828841	8.028586568	6.252218244	1.284118093	0.267091373	3.800233532	7.134209101
8.025152185	10.54864589	6.883961433	1.532351102	0.435584519	5.427741544	7.994508148
7.254139838	8.221811268	5.51314349	1.491310952	0.340773176	4.697637258	7.378607106
9.681146243	10.8445187	8.44953863	1.28344507	0.364606186	3.76614687	10.22175764
6.473344901	8.505068121	4.591879741	1.852197488	0.391213227	6.043447909	6.638660865
4.55684748	7.048726131	3.586232634	1.965496065	0.340547702	7.473317972	4.592424769
6.343826096	7.495013782	5.283090221	1.418679877	0.313704557	4.945037141	6.415492186
7.655479839	10.44094544	5.39784544	1.934280178	0.751042917	9.810526999	7.629190231
6.015853925	7.158161342	4.908764795	1.458240849	0.290666551	4.831675686	6.082818278
7.834888417	9.333308591	6.365067829	1.466332935	0.387829916	4.95003751	8.466329804
8.35613014	9.481789059	6.286384174	1.508305696	0.435627539	5.213268963	8.746388863
4.67571176	5.987603423	3.60601589	1.66044843	0.338684242	7.243479906	4.532266959
4.268717112	6.719464942	1.821706956	3.688554254	0.519365339	12.1667781	4.182746241
4.865557418	6.214174032	3.085740574	2.013835539	0.417887463	8.588686298	4.756930995
4.386250148	5.500764665	3.773113567	1.457884733	0.272305372	6.208158747	4.559682701
8.164247925	8.892966546	7.01388394	1.267908996	0.275002749	3.368378222	8.127964745
9.501779685	11.31649564	8.454216485	1.338562321	0.291627037	3.069183317	9.132207994
7.712239853	8.374593332	6.851801139	1.222246992	0.24915373	3.230627352	7.186127805
6.303154511	8.269178161	4.920289127	1.680628505	0.311364914	4.93982677	6.031250512
6.27016033	7.876793001	5.039639349	1.562967596	0.386697356	6.167264242	5.471516072
6.070813961	7.440898558	5.153945158	1.443728703	0.259029385	4.266798269	6.011924362
6.876758657	7.890006176	5.581926576	1.413491573	0.317894584	4.622738711	6.57720297
5.626264051	6.704832363	4.35721449	1.538788687	0.277343695	4.929446825	5.364438549
8.431691386	10.35334161	6.626041612	1.562522878	0.574779558	6.816895108	8.001019069
4.541126603	7.196403335	2.011026847	3.578472035	0.407387653	8.971070157	5.4941192
4.430571736	6.224310818	-0.481390679	-12.92985321	0.413590937	9.334933768	4.497993686
6.827972803	8.891262048	4.372892794	2.033267786	0.692652169	10.14433111	6.948422131
5.634739145	6.778497141	4.582809574	1.479113856	0.314712049	5.585210621	5.901180885
6.652461159	8.264254253	4.776954253	1.730025831	0.528839357	7.949529416	6.523858858
3.556042673	5.862722915	2.679598675	2.187910813	0.303739076	8.541491314	3.576124167
6.511909843	7.895965583	4.982979792	1.584587117	0.312305896	4.795918602	6.486230724
7.400078472	8.906671328	5.656336861	1.574635943	0.377719718	5.104266389	7.45866438
5.118711661	8.418583115	3.015545586	2.791728023	0.627757152	12.26396784	5.005937686
7.137607959	8.682345556	5.732905177	1.514475696	0.442364011	6.197650726	6.491703118
3.794282428	4.791091385	2.55314296	1.876546461	0.237632331	6.262905725	3.866583258
5.847823341	6.623857058	4.744249484	1.396186495	0.200098426	3.421759085	5.696565288
5.980446961	7.511061202	2.413222608	3.112460979	0.430548594	7.19927117	6.007979071

7.030399717	8.262920026	5.035801496	1.640835135	0.397296775	5.651126409	6.379843712
6.507735239	8.81968903	4.720690218	1.868304977	0.553577912	8.506460254	7.076666779
5.824954385	7.729686621	3.82706031	2.019745182	0.520046928	8.927914164	6.218422194
4.999206308	6.947651759	3.640500367	1.908433198	0.51938077	10.38926457	5.318215655
7.093379463	8.316497714	5.441104851	1.528457536	0.438383085	6.180172472	6.746990396
6.62867852	7.480338417	5.83081498	1.282897578	0.243350927	3.671183115	6.7009093
7.425628765	8.125452875	6.709155168	1.211099262	0.212620903	2.863338717	7.221073701
7.380942104	8.375361572	6.134241262	1.365345968	0.316632296	4.289862884	7.508142239
6.916763599	8.29338574	5.681738872	1.459656265	0.33208978	4.801230744	6.789295634
6.577742931	8.119505594	5.071980883	1.600854928	0.39204261	5.960138819	6.846127164
7.921354954	8.869045028	6.965354115	1.273308561	0.249681388	3.152003534	7.736539057
3.267360716	5.612269398	0.019970665	281.0256586	0.391272454	11.9751839	3.913834345
7.214757922	8.123061293	5.708357477	1.423012018	0.327889212	4.544701511	7.265662548
5.442715345	6.886352208	4.58496308	1.501942783	0.313232255	5.755073249	5.285589733
4.554537756	5.801450571	3.870448962	1.498908945	0.236880996	5.200988738	4.967553523
4.027981691	6.945782435	1.160855542	5.983330555	0.647790052	16.08224918	3.840156288
3.875230149	5.680130665	2.75564236	2.061272808	0.265606599	6.853956776	3.970878911
6.061387677	9.925203306	3.403423675	2.916240896	1.062838564	17.53457493	5.934880182
5.055879604	8.983859727	2.2125935	4.060329982	0.880043075	17.40632974	5.743236418
4.597930706	6.983729211	3.246284241	2.15129936	0.556803009	12.10986081	4.433419402
5.68049616	7.375969823	3.956172321	1.864420764	0.589090776	10.3704106	6.397430283
5.736362829	6.886610628	5.102186999	1.349737011	0.223029028	3.887986766	5.751460878
7.453936509	10.4591211	5.307920748	1.970474239	0.736448319	9.879991843	8.622354938
8.108228932	12.13076293	4.475685676	2.710369718	1.388065029	17.11921359	9.14017504
6.737430004	9.40194901	4.00984901	2.344713975	0.947887736	14.06898084	8.440218716
5.462963549	7.726611165	3.454465872	2.236702128	0.450507413	8.246575494	5.652748614
6.489286154	9.383052735	4.145936159	2.263192769	0.926086466	14.27100676	4.928740136
7.058636768	8.48207181	5.471250136	1.55029867	0.445000153	6.304335631	6.64320836
4.743456945	6.307826628	3.13547989	2.01175796	0.39077231	8.238133384	4.569021869
6.78204154	8.16290127	5.625553134	1.45103976	0.251623093	3.710137885	6.791681245
5.71766835	9.595422453	4.096022453	2.342619593	0.580129007	10.14625144	5.82732258
4.535575961	6.926186185	1.670114951	4.147131419	0.35410116	7.807192807	4.94038141
6.462036542	7.506897054	4.7210768	1.590081537	0.279863237	4.330882929	6.573306166
6.385487801	8.128523777	4.296323777	1.891971881	0.46796492	7.328569629	6.875716304
4.056818281	7.053917962	3.197612219	2.205995436	0.323435866	7.972648592	3.991723318
6.51210345	9.124145385	4.482495385	2.035505807	0.841948553	12.92898	7.459781533
4.863548307	6.99735299	0.716093218	9.77156719	0.484031838	9.952236668	5.061689666
4.602586284	7.313444286	3.27281877	2.234601058	0.405066631	8.800848173	4.733820329
4.443906672	6.374342702	-1.072724185	-5.94220098	0.532769062	11.98875452	5.461696736
5.180774288	6.939485028	3.964972693	1.750197433	0.403693135	7.792139016	5.095469362
4.82805351	7.079805659	2.843214076	2.490071261	0.519585069	10.76179184	5.217965848
5.068465369	7.502417871	2.838914533	2.642706494	0.713314474	14.07357893	4.763746402
7.856142265	8.927723078	6.703453844	1.331809435	0.350610775	4.4628873	8.555521004
9.462402983	10.62343363	7.830528544	1.356668783	0.447951496	4.734014145	9.484368604
4.732063852	10.19334945	2.937689162	3.469852967	1.293980713	27.34495463	3.929867747
8.377568457	9.770451191	5.583382764	1.749916064	0.626279195	7.475667889	9.122068647
6.728835921	8.117698503	4.359636343	1.862012761	0.533691268	7.931405581	6.095211759

10.53309746	11.36474811	7.037638284	1.614852547	0.388025699	3.683870777	10.41220568
6.731001525	8.595625151	5.188143474	1.656782468	0.488788277	7.261746644	7.11010464
6.713287233	8.67271123	4.88991123	1.773592775	0.625535361	9.317869761	8.355998573
6.226959947	7.461833018	5.280768807	1.413020204	0.390990205	6.2789902	6.041226981
6.518055507	7.839749495	5.169754603	1.516464532	0.31769145	4.874021853	5.902109702
6.130644466	9.067308762	3.344304939	2.711268538	1.014427122	16.54682681	7.450133562
4.735099029	7.244807527	3.245347099	2.232367542	0.676365541	14.28408439	4.752566759
5.693532731	7.801795349	4.881220545	1.598328794	0.312765623	5.493349	5.671510944
6.830665335	7.561034498	5.602492574	1.349584029	0.298563183	4.37092389	7.182386117
6.398283049	7.526060718	5.564287929	1.352564931	0.28327848	4.427414011	6.847505766
6.504611623	8.432582331	2.010068054	4.195172553	0.564553023	8.679273343	6.891540076
5.208377408	5.938874343	4.555602475	1.303641917	0.198358055	3.808442434	5.211503243
6.203248141	6.758009238	5.617709238	1.202983094	0.184690057	2.977312085	6.426026712
6.631524366	9.345232745	4.232088449	2.208184649	0.824713322	12.43625562	7.691272099
4.174991669	5.496387346	3.500428423	1.570204181	0.245532941	5.881040266	4.234390224
3.512916841	5.345708638	2.391975686	2.234850742	0.293686377	8.360185845	3.569679738
5.437279712	7.331320161	3.486408531	2.102828769	0.371458401	6.831695637	5.282971907
7.815384739	8.89793652	6.877960729	1.293688183	0.303451754	3.882748761	7.864215591
8.496762118	10.43938336	7.081357218	1.474206574	0.403589204	4.749917654	7.602375178
8.371217321	9.748429295	6.424319412	1.517425998	0.50421991	6.023256724	8.075471132
5.54416523	6.970988925	4.683902329	1.488286569	0.260192092	4.693079678	5.54754615
6.142067044	7.584533728	5.231702869	1.449725628	0.376335128	6.127173883	6.434802372
7.249674323	8.645672637	6.360024259	1.359377305	0.356772066	4.921215081	7.723147967
5.9459127	7.271178859	5.038619367	1.443089531	0.30765214	5.174178552	6.290865498
4.906360947	6.755128301	3.608122197	1.872200533	0.445511045	9.080274559	5.884839025
6.020868779	7.251348797	4.558972117	1.590566604	0.243887426	4.050701572	5.926333849
7.817518773	8.625125269	6.98335564	1.235097525	0.209360605	2.678095327	7.801403117
5.890423575	7.072549091	5.071442867	1.394583213	0.275421371	4.675748138	6.090835651
7.95000286	9.144748407	6.805097913	1.343808498	0.318624285	4.007851199	8.101628073
6.918727516	7.888244549	6.038114287	1.306408619	0.242991489	3.512083529	6.943677918
8.67209345	9.778797861	7.868305707	1.242808582	0.293848148	3.388433832	9.082325195
8.496468852	9.453178042	7.744578042	1.220618863	0.227103901	2.672921004	8.682451481
8.725873427	9.7267086	7.350571357	1.32325885	0.309767258	3.549985685	8.442970241
8.555658525	9.551857625	6.427607716	1.486067297	0.305598678	3.571889614	8.532024424
7.9419367	9.029362084	6.511055537	1.386773931	0.332920709	4.191933545	7.998260906
8.246130721	9.653983419	7.076990144	1.364136903	0.343616054	4.166997413	8.227998522
4.568639712	7.535478647	3.648778647	2.065205751	0.506672513	11.09022697	4.203603865
3.840528648	6.211320022	2.992962523	2.075308319	0.31703802	8.255061981	3.813272609
7.581990076	8.52334999	6.230866157	1.367923781	0.373375417	4.92450417	7.605758754
6.073158194	9.352115682	2.938072086	3.183079043	0.8455061	13.92201674	5.335139353
7.811357749	9.705628145	6.583921844	1.47414085	0.493400675	6.316452155	7.232836307
5.088450284	10.61531377	1.385154759	7.663630148	1.330334739	26.14420236	5.025743875
5.646703931	6.982714943	4.872611461	1.433053918	0.20426754	3.617465036	5.450304586
4.426475188	5.435823034	3.599861366	1.510008992	0.274947185	6.211424965	4.3496427
4.196134977	6.582374371	2.99256263	2.199577815	0.346912012	8.267417856	4.212083486
3.959505551	5.298435363	2.908829325	1.821500945	0.244962904	6.186704395	4.096034999
4.133867866	6.973883519	2.085219964	3.344435426	0.427214942	10.3345089	4.077286484

5.072073333	5.983075054	4.278826235	1.398298208	0.177542511	3.500393225	4.884725858
5.82804526	6.582523849	4.428857293	1.486280413	0.21101215	3.620633341	5.739482121
5.401698012	8.622167722	4.020217722	2.144701685	0.64704198	11.9784923	5.60521143
6.865559661	7.50454732	5.73644732	1.308222128	0.273157197	3.978658852	6.989217765
3.598683268	5.384478317	2.528278965	2.12970103	0.230926944	6.416984389	3.529720836
5.919419254	7.286735965	4.69901549	1.550694178	0.33156405	5.601293573	6.329400403
4.575351995	12.03911232	3.002876583	4.00919318	1.088865562	23.79850912	5.389031392
4.300277443	6.173720345	3.281406513	1.881425029	0.421447793	9.80047912	4.944098657
8.606143843	10.12202801	7.147958583	1.416072559	0.475348343	5.523360418	9.304127921
8.24777593	9.36604434	7.03181917	1.33195182	0.396897122	4.812171497	8.268928802
7.236639309	8.177288102	5.605967665	1.458675574	0.303928817	4.199861339	7.223831721
8.273988239	10.79457946	4.287732846	2.517549447	0.721204439	8.716527238	6.325190264
6.494664261	7.891503871	5.171126869	1.526070443	0.264276555	4.069133437	6.370713933
7.411902233	9.165318168	6.194647368	1.479554464	0.277875955	3.74905047	7.198947667
5.457591134	6.179468537	4.904258454	1.260020979	0.198751451	3.64174315	5.405384579
8.81232169	9.422552366	7.817222485	1.20535809	0.28418146	3.224819407	8.851412863
8.717749262	9.407132752	7.000651135	1.343751113	0.273626559	3.138729394	8.575977265
9.382164544	10.32725386	8.383787639	1.231812435	0.246793958	2.630458638	9.55971056
4.681021994	7.150713818	2.703086849	2.645388113	0.497639684	10.63100504	4.684460318
6.972708648	7.872712575	5.674703141	1.387334699	0.289959241	4.158487831	6.641395335
3.254307798	3.757026375	2.324308891	1.616405801	0.176645801	5.428060658	3.395569692
5.682418348	6.492882178	4.989332719	1.301352815	0.211659618	3.724815835	5.603948038
7.93479433	10.72365431	5.68027013	1.887877525	0.667539478	8.412813868	7.43183961
7.77719737	8.945102025	6.756499072	1.323925591	0.222116212	2.855992994	7.918846878
6.868004226	8.415797419	5.529747419	1.521913531	0.369068973	5.373744123	6.542436571
7.479788819	8.272105972	6.452071464	1.282085299	0.242085227	3.236524889	7.207910585
7.75252868	8.523576688	5.896743355	1.445471877	0.306568851	3.954436851	7.601932657
8.115689691	9.037980073	6.68865842	1.351239592	0.297549949	3.666354432	7.988730212
5.569559599	6.222576146	4.747686026	1.310654519	0.174479521	3.132734599	5.797992219
7.053331509	7.739629131	6.212129131	1.24588993	0.21822541	3.093933829	6.915809244
4.806623476	6.516235329	3.862242309	1.687163779	0.314509221	6.543246477	4.664287424
6.262474776	9.057587258	4.881372705	1.855541014	0.363822932	5.809571223	6.617970616
7.378610517	8.398652478	6.76263853	1.241919473	0.259463026	3.516421225	7.319745103
6.727990297	8.427222714	5.330427366	1.580965678	0.31747523	4.718723069	6.431927566
6.519916054	7.146695807	5.943820627	1.202374071	0.212102177	3.253142752	6.602141269
6.624942823	7.30871654	5.680309331	1.286675798	0.214167645	3.232747076	6.685104873
7.796377824	8.68585601	7.022863805	1.236796875	0.273070604	3.502531696	7.666731349
7.894660981	9.169805144	6.663120748	1.376202757	0.330409432	4.18522636	7.862950746
7.954485957	9.033999116	6.949359	1.299975885	0.314276542	3.950934653	8.046907703
8.246377574	9.180200015	7.375738992	1.244648167	0.249020614	3.019757609	8.132602503
5.751601665	6.973333342	4.255247576	1.638760899	0.232991504	4.05089778	5.662476942
5.984656249	7.885740044	5.057087047	1.559344336	0.328807368	5.494173	6.126770998
5.595842162	6.227141432	4.65036918	1.339063887	0.232182861	4.14920319	5.557378991
8.121408135	9.046110544	7.233404746	1.250602014	0.235376724	2.898225533	7.960140165
4.236068721	8.672691897	2.509965336	3.455303455	0.553153381	13.05817769	4.046787072
6.74531688	8.118058268	5.865178943	1.384110928	0.299565922	4.441094868	6.75245959
6.316422544	7.284645691	5.179335056	1.406482804	0.263289531	4.168333087	6.420678019

6.134635145	8.498601559	4.154137513	2.045816137	0.63874241	10.41206844	5.763462082
6.192226384	7.521638145	5.224824482	1.439596329	0.26181923	4.228192148	6.489681898
6.078500556	8.841945595	4.803754445	1.8406323	0.547258683	9.003185541	6.657787184
8.274535359	11.48425016	6.271166345	1.83127819	0.788012236	9.523341217	9.315748315
4.323281369	5.600774214	3.349871359	1.671937103	0.245724634	5.683752987	4.449782146
6.217529861	8.09138646	4.991750642	1.620951654	0.473100869	7.6091451	6.63344653
5.140316204	6.304901201	3.805599561	1.656743202	0.348945677	6.788408797	5.558859024
5.525520292	6.221596721	4.803319464	1.295270233	0.21749724	3.936230957	5.562190604
5.320941349	7.522499043	3.742493926	2.010023047	0.405334674	7.617724906	4.947580824
5.65721107	6.539126911	4.795905184	1.363481274	0.250419642	4.426556453	6.160514282
6.096478314	7.013994696	4.713981291	1.487913138	0.267615364	4.389671383	6.132775468
6.495890383	9.0489985	5.147061376	1.758090265	0.503482098	7.750778848	6.494296711
4.321171182	8.849684666	3.11458715	2.841366846	0.368396555	8.525386735	4.285631283
6.89934453	9.130535745	4.051673903	2.253521869	0.722629039	10.47387959	6.632228338
7.885706796	8.876798383	6.724753678	1.320018369	0.281817116	3.573771164	7.843729408
8.996695249	9.967002917	7.029816478	1.417818367	0.365294626	4.060320107	8.741107139
5.54089119	7.233647326	4.458561546	1.622417287	0.282691457	5.101913162	5.406669465
7.339401799	8.069698016	6.169302376	1.308040606	0.238027708	3.243148619	7.383327295
5.507517326	7.606460552	3.276455879	2.321551345	0.614419693	11.15601925	5.884536807
4.959292867	6.894883119	2.269830685	3.037620014	0.430995777	8.690669984	5.28430087
5.090606367	8.820343017	3.932809684	2.24275867	0.619134866	12.16230095	5.113716527
7.417071877	8.348947092	5.819104084	1.434747853	0.374083812	5.043551127	6.894132936
4.65958548	6.312941696	3.393063323	1.860543437	0.319336942	6.853333695	4.777092122
4.443019643	5.709230206	3.685358802	1.549165363	0.222237436	5.001945834	4.43099942
6.421215792	7.276199009	4.880401213	1.490901811	0.31166138	4.853619479	6.155521916
7.486235311	9.195535763	5.983485763	1.536819193	0.389443828	5.2021318	7.227116386
6.291719784	7.380655328	5.319816949	1.387388964	0.329131145	5.231179335	6.198265361
6.753700277	7.703586931	5.953792596	1.293895749	0.23425542	3.468549239	6.733364508
5.212700311	6.603863381	4.15233528	1.590397436	0.325451974	6.24344303	5.270007067
6.682968595	8.643863577	5.178003008	1.669343097	0.490318616	7.336838545	5.697894717
7.938997872	9.113499588	6.671525653	1.366029311	0.350497959	4.414889194	7.98151277
7.00108345	8.635885694	5.050119027	1.71003607	0.472516127	6.749185754	5.896941409
5.107269845	6.895026406	3.826579842	1.801877052	0.405124035	7.932301354	4.999455613
3.889169258	5.449869549	1.364239705	3.994803501	0.385529907	9.912911514	4.173159123
6.678458135	7.66072593	4.961837978	1.543929077	0.360187227	5.393269223	6.785531276
4.275844715	7.619782675	2.887781326	2.638628696	0.487545872	11.40232877	4.093069427
6.729092011	8.045439008	5.209939008	1.544248214	0.326940976	4.858619493	6.729839536
5.92470134	7.830702741	4.555033204	1.719131868	0.285541006	4.819500422	6.038248735
5.94045744	7.100797168	4.476282738	1.586315607	0.249552756	4.20090133	5.802052003
4.919162678	6.880637578	3.389734092	2.02984582	0.282527461	5.743405528	4.899856151
7.091092885	7.917562841	5.875521631	1.347550624	0.24814104	3.49933422	6.968136555
5.547113342	7.601958019	4.088908019	1.859165817	0.455380227	8.20931895	5.020818049
7.422798258	8.904708202	4.069755771	2.18802029	0.516893742	6.963596799	7.021681206
8.003591933	10.20598941	6.545928251	1.559135545	0.511060494	6.385389185	8.321015086
5.217235334	6.104396514	4.738051991	1.288376853	0.162828385	3.120970687	5.148022246
4.548468525	6.171963492	3.202129196	1.927456112	0.324937437	7.143886675	4.479553054
5.078646825	5.952044057	3.82438316	1.556340933	0.219829869	4.328512617	5.106948184

7.404036534	8.198025996	6.260508873	1.30948237	0.281116218	3.796796742	7.558835396
7.323162053	8.6687176	5.700742607	1.520629539	0.431443881	5.891497118	7.063724004
8.011233517	9.234546447	6.803682489	1.357286508	0.27703252	3.458050747	8.148180595
6.50050054	9.379368062	4.320876444	2.17070962	0.655957048	10.09086984	5.9772343
5.462437298	8.30006081	4.375698234	1.896854026	0.474354408	8.683933232	5.360655524
4.097113259	6.352176746	3.290965733	1.930186232	0.331983655	8.10286741	4.171021427
4.113378674	5.287840135	3.345679486	1.58049812	0.243354097	5.91616081	4.024112967
4.381492556	5.297292593	3.043960996	1.740262967	0.215842443	4.926230967	4.397333088
3.753218953	5.025662653	-3.169637151	-1.585564029	0.514999251	13.72153496	3.848299102
8.754100872	10.16381772	6.780567098	1.498962782	0.436930109	4.991147758	9.009779359
4.496681039	6.445416389	3.382429416	1.905558283	0.394536	8.773937864	4.573278674
9.303236946	11.30202466	5.16020617	2.190227345	1.075678257	11.56240848	8.145957733
5.179165186	8.469831524	3.451039749	2.454283967	0.764857737	14.76797341	4.819168434
5.743785267	7.840924812	4.092429629	1.915958373	0.465472957	8.103940785	5.536505361
7.061793479	8.414987517	5.528896447	1.522001289	0.433110119	6.133146205	7.333088593
7.338334251	8.511465238	5.769951849	1.475136268	0.387912707	5.286113908	7.446623777
7.211314019	8.325784652	5.973384652	1.393813581	0.333871405	4.629827573	7.199587685
7.331238424	8.182423262	6.193069808	1.321222514	0.301508991	4.112661098	6.929726355
7.659041429	9.754469213	5.469669213	1.783374612	0.655815587	8.562632721	7.468294952
5.768022435	8.134224503	3.880799699	2.096017608	0.415021078	7.195205687	5.114121378
8.747959698	10.21281409	7.195084681	1.419415413	0.502060004	5.739166866	9.033196368
4.989637077	7.717585313	3.565450553	2.164547004	0.579893865	11.6219648	5.182740581
4.91475186	8.761169894	3.058023454	2.864977992	0.765350371	15.57251297	5.106251781
5.712476318	10.37652452	2.972596659	3.490727372	1.410696384	24.69500625	5.513182574
6.937063376	8.821923083	4.828492512	1.827055351	0.534998539	7.712176027	5.179129996
4.660993328	8.266471385	3.359585167	2.460563128	0.607092096	13.02495098	4.843033912
4.039102796	6.470666445	2.864010443	2.259302671	0.349888419	8.662528219	3.945144805
10.61309602	11.73816402	9.385788335	1.250631657	0.319828838	3.013530055	10.64196725
5.085365713	6.288477645	4.404181688	1.427842467	0.255054355	5.015457481	5.011216037
6.033847271	6.718101149	4.636599625	1.448928459	0.232254538	3.849194843	6.009213863
5.791597402	7.009078976	4.99504384	1.403206699	0.242553936	4.188031709	5.672139435
4.2053665	5.803164915	3.415867256	1.698884787	0.273629006	6.506662517	4.351555838
6.06393884	7.252458801	4.579038534	1.583838779	0.292741166	4.82757452	6.038720433
8.850674821	9.768205611	7.842746411	1.245508282	0.251572073	2.842405553	9.167067147
8.0973627	9.144191649	6.481223111	1.410874382	0.320393331	3.956761512	8.214500494
6.849527573	7.807420589	6.052320589	1.289987943	0.247013015	3.606278136	7.01480568
9.062361221	9.888792699	8.103064905	1.220376834	0.277849141	3.065968507	9.462472077
7.642998439	8.667328266	6.725762674	1.2886759	0.293307852	3.837601879	7.479428436
8.516952765	9.07598542	7.879650613	1.15182587	0.155133674	1.821469236	8.509785151
9.41080281	10.12727743	8.118902318	1.247370277	0.27416277	2.913277169	9.574673702
8.875447533	10.45775648	7.188981371	1.454692389	0.311253566	3.506905595	9.143841994
9.217976023	9.968828343	8.10724388	1.229619892	0.247217125	2.681902456	9.276110307
7.288676372	8.180362574	6.296168313	1.299260466	0.263443812	3.614425978	7.800335363
8.038146829	9.9215186	6.22660939	1.593406295	0.587372833	7.307316541	8.348210401
7.644806085	10.48810189	5.49131211	1.909944595	0.865667943	11.32360891	8.26842384
8.032952551	8.883734299	6.844597115	1.297919242	0.253746631	3.15882148	7.793798156
8.001649828	8.904533011	6.560547753	1.357284993	0.323824258	4.046968624	8.257573504

8.038778146	8.784601897	6.563340341	1.338434614	0.295614937	3.67736156	8.209226563
9.258267102	9.865279029	8.058399281	1.22422316	0.262022146	2.830142433	9.253974827
8.726488864	10.00519507	6.768794711	1.478135399	0.310562539	3.558848746	8.829272501
8.486137436	9.087258433	7.266358686	1.250593155	0.263826317	3.108909317	8.819004
8.687938212	9.552789507	7.880015349	1.212280571	0.243011537	2.797114007	9.272764317
7.429397319	8.445508185	6.48211166	1.302894586	0.269050099	3.62142564	7.549619445
6.297215275	6.959899762	5.435529279	1.280445639	0.222264096	3.529561653	6.284748805
8.631396337	9.623769416	7.475473263	1.287379284	0.314830121	3.647499304	8.925028803
6.956630451	7.573142992	5.439598206	1.392224702	0.291639942	4.192258657	7.137150864
7.602037377	8.593361652	6.406198993	1.341413475	0.274361988	3.609058651	7.794810847
7.502331239	8.428348404	6.361912876	1.324813553	0.278068623	3.706429566	7.801150193
9.407606937	10.24461622	8.57701861	1.194426255	0.271195724	2.882728046	9.43219923
5.524232756	7.884581676	4.139721682	1.904616368	0.65152793	11.79399854	5.550257694
5.235364603	6.709627404	3.678662098	1.823931425	0.319031189	6.093772124	4.92965707
7.192091812	7.898013032	6.293021858	1.255043	0.228428489	3.176106408	7.318355835
4.10076444	5.621817318	3.368190763	1.669091127	0.283688398	6.917939385	4.262403853
4.592179859	6.777778887	2.460325579	2.75483007	0.484738396	10.55573629	5.271767377
4.172498483	6.817072132	3.301499381	2.064841257	0.301146208	7.217407242	4.160811914
6.227688568	8.522579926	4.163154186	2.047144916	0.688754767	11.059557	6.44092551
5.232463804	6.393333835	4.006865714	1.595594734	0.241081261	4.607413838	5.337935655
4.913999103	7.810018136	2.806862613	2.782472537	0.643121881	13.08754576	5.229393721
3.425845156	5.077213895	2.308935387	2.198941523	0.226239516	6.603903726	3.095741951
5.595042679	8.509765446	1.864211087	4.564807873	1.016660599	18.17073894	5.706837807
4.068458107	5.979341775	2.981954727	2.005175236	0.304114009	7.474920503	4.988962099
4.675978121	5.777403222	3.276575698	1.763244239	0.282214309	6.035406964	4.757947852
3.80196727	6.245491937	2.544995835	2.454028353	0.325770025	8.568459479	4.204945572
6.939968332	7.840672382	5.642364824	1.389607483	0.296474073	4.271980201	6.924166894
4.385266588	7.16369137	2.743548632	2.611104205	0.347791459	7.930908003	4.552541109
6.244694012	7.865984749	4.503548561	1.746619281	0.426175189	6.824596823	6.265853651
6.548519868	7.479595128	5.703378088	1.311432455	0.253351858	3.868841563	6.545525264
5.554854313	7.070218951	3.643596888	1.940450376	0.250013595	4.500812818	5.813600574
5.743275126	7.579742184	4.949685361	1.531358386	0.247573056	4.310659873	5.709214269
6.88563921	9.389011763	5.520169064	1.700855835	0.368370551	5.34983811	6.055982813
5.01176231	7.508274609	2.883882904	2.603529637	0.475805585	9.493777956	5.353115428
5.635001594	6.398933461	4.943398783	1.294440069	0.209538493	3.718517011	5.593364512
5.835623225	6.561274214	5.043359604	1.300972909	0.223976574	3.838091762	5.906849769
6.356904265	7.427484563	5.220617896	1.422721354	0.351102555	5.523168839	6.837981712
7.118306973	9.656911705	4.318313179	2.236269419	0.612964095	8.611093868	6.635953402
6.179176139	7.571817461	4.342738749	1.743558132	0.443540037	7.17798015	6.482636622
5.676898683	6.94650966	4.097887763	1.695143953	0.404794483	7.130556762	5.297341393
5.78340309	8.984117169	3.807567169	2.359542661	0.886098288	15.32139942	6.584410187
4.743816643	6.47886059	2.087215856	3.104068308	0.680235756	14.33941922	4.523209773
5.92018135	7.382174693	3.525199046	2.094115707	0.596131526	10.06948083	5.881752308
7.336920479	8.606190669	6.049335773	1.422667048	0.411775727	5.612378218	6.854065878
6.899083821	9.066131556	5.074659642	1.786549679	0.664514821	9.63192851	6.637052284
5.508229374	6.411019214	4.085744864	1.569118833	0.242383769	4.400393526	5.520806004
6.671763548	7.912929578	4.662990704	1.696964476	0.351547921	5.269190356	6.914140944

9.198845922	10.42043295	6.997964109	1.48906636	0.483457018	5.255626873	8.06431308
4.730735729	7.564094003	3.60821499	2.096353467	0.375215619	7.931443244	4.783364807
6.387159588	8.3216074	4.369170689	1.904619433	0.483503243	7.569925821	5.490326772
5.794481687	8.414009869	4.273104897	1.969062326	0.447751868	7.727211713	6.154898116
4.322431795	6.898345667	3.343920773	2.062951289	0.495726412	11.46869252	4.485731247
5.990893961	7.894789097	4.627949007	1.705893709	0.325202407	5.428278474	5.560521153
3.635897265	4.873484717	2.783239916	1.751011362	0.254537544	7.000680313	4.461744167
8.338504708	9.710141136	6.804238876	1.427072346	0.387003538	4.641162318	8.489213271
7.210536769	8.182397769	6.194520255	1.320909034	0.28751462	3.987423257	6.805077456
4.539146916	8.17761487	2.161175733	3.78387317	0.677616242	14.92827297	4.382896623
5.332286102	7.600990032	4.496847206	1.690293151	0.267905936	5.024222839	5.556074683
4.760163106	5.875758255	4.140553941	1.419075404	0.238536289	5.011094862	4.927965385
6.816345512	7.96990625	5.732149354	1.390387053	0.34170354	5.013002051	6.827222414
5.623713654	6.688758521	4.822258521	1.387059298	0.228337378	4.060259679	5.792654963
7.627940688	8.739610174	6.432934707	1.358572809	0.363768487	4.768895062	6.988387112
6.975767142	7.98925964	5.313878825	1.503470422	0.408100312	5.850257095	7.02865782
5.852312584	6.501893732	5.260172612	1.236060907	0.197406579	3.373137988	5.691248127
6.359197543	7.867346434	4.489762608	1.752285615	0.344823565	5.422438333	6.102442982
5.868966889	6.552103396	5.08580313	1.288312432	0.242278923	4.128135803	5.92775561
6.140761496	6.862701825	5.256783979	1.305494358	0.249389883	4.061220804	5.984969428
5.950457936	6.829193022	5.117588372	1.334455319	0.276635355	4.648975887	6.70578718
5.595861371	6.494001153	4.129725699	1.572501814	0.28004603	5.004520504	5.475713895
6.371026941	7.641922455	4.914115923	1.555096089	0.34592815	5.429707853	6.499659468
6.333753101	7.875642183	4.180842183	1.883745389	0.577399833	9.116235257	7.545312996
4.939157486	9.734809071	3.18547358	3.056000569	0.678425442	13.73565115	4.707735873
4.638360701	5.85042212	3.726782506	1.569831916	0.2610183	5.627382543	4.558129124
6.102978925	6.9671428	5.363965012	1.29887924	0.277519744	4.547283345	6.108012788
7.890218101	8.806988005	6.705677596	1.313362875	0.250015078	3.16867132	7.91580961
7.782483523	8.534814668	6.8595225	1.244228686	0.239162664	3.073089249	7.628885848
8.113199747	8.996193415	7.500319118	1.19944142	0.252090186	3.107161093	7.772714649
5.155060757	6.133767293	4.382100854	1.399732114	0.274351465	5.321983156	5.243930433
4.045288553	5.403030734	2.859216919	1.889688991	0.219375934	5.422998409	4.991396744
7.195006354	8.254190493	6.024790573	1.370037745	0.295403826	4.105678464	7.230505285
5.309862324	6.9531385	4.653080919	1.494308528	0.262639598	4.946260042	5.269234402
8.403996371	9.95763667	5.238318934	1.900922184	0.782025298	9.305397855	7.566259968
6.825493556	8.039798261	5.945317535	1.352290809	0.332725278	4.874743122	6.608040061
7.715870826	8.934214784	6.335809614	1.410114149	0.393074933	5.094369024	8.055983549
6.442008656	7.669512918	5.364912918	1.429568948	0.288127272	4.472630939	6.521718076
7.922529777	8.857023035	6.846710497	1.293617284	0.305752233	3.85927528	7.886349353
6.829690302	9.894306399	3.712306399	2.665272026	0.918483203	13.4483873	7.783351533
5.089727082	6.803910873	4.460228146	1.525462521	0.304712313	5.98681046	5.387402566
6.08458025	7.770665675	4.768986638	1.629416533	0.360579425	5.926118317	6.120610393
6.766254202	8.032586847	5.781349731	1.38939646	0.251239174	3.713120529	6.57848282
8.593616448	9.696028375	7.53174726	1.287354453	0.290737124	3.383175476	8.72170057
4.501915849	5.692142878	3.274299748	1.738430601	0.271165275	6.023330612	5.238395484
5.856546213	6.454063436	5.046824724	1.278836454	0.238063388	4.064910942	6.133681386
4.395684207	5.528148043	3.343377461	1.653462137	0.229478631	5.220544073	4.391119666

6.290562108	7.765843913	5.190397635	1.496194407	0.411185085	6.536539623	6.423448982
5.269175657	7.357509547	4.339308477	1.695548861	0.28943619	5.493007051	5.183656948
7.598903397	8.522153771	6.668956965	1.277884055	0.2503666	3.29477277	7.52361123
7.817430987	8.998021062	7.161589686	1.256427896	0.307213396	3.929851083	8.484843741
7.455868524	8.703926992	6.192754337	1.405501739	0.281867408	3.780477173	7.677544774
6.883853724	7.959156158	5.760936158	1.381573401	0.37028113	5.37898021	6.806603878
9.042891042	10.29043788	7.800204592	1.319252304	0.30183412	3.337805556	9.297048798
5.985225505	6.969595051	5.202154186	1.339751726	0.217558789	3.63493052	6.346373525
6.391115804	7.478351668	4.453734311	1.679119396	0.291559305	4.561946831	6.905003198
6.482719475	7.905419468	5.16749284	1.52983656	0.276811754	4.269994334	6.439629932
9.240414589	10.21685379	8.455553789	1.208300963	0.289208857	3.129825557	9.460576733
6.913155872	10.34664691	3.674391569	2.815880321	0.87707423	12.68703103	6.340637206
6.320879521	7.576772227	5.472497119	1.384518267	0.316327699	5.004488664	6.721345063
6.175759167	7.163606659	4.511606659	1.587817201	0.313644707	5.078642125	6.318320309
5.51961669	6.305536017	4.527565292	1.39269908	0.244909223	4.437069394	5.48392347
4.861154222	6.789448761	4.018110255	1.689711912	0.345908089	7.115760448	4.770033213
5.175826795	6.718895398	3.826805197	1.755745342	0.303570442	5.865158438	5.052053536
8.335562763	9.334364688	7.404153163	1.260693084	0.249671329	2.99525462	8.704365409
5.297181299	8.913059597	3.23702714	2.753470766	0.988029547	18.65198662	6.481471843
7.190155486	10.78788002	3.229180016	3.340749033	0.906900783	12.61309001	7.866173163
8.32079579	10.65700404	4.748025665	2.244512727	0.814460645	9.788254217	8.300723701
8.680971917	10.16079191	6.928169491	1.466591128	0.520783657	5.999139984	8.430132387
6.355107974	7.473007998	4.043613731	1.848101351	0.324088744	5.09965756	6.709266284
6.393786035	8.264374165	4.510513722	1.832246763	0.368350273	5.761066627	6.002085148
6.439327132	7.0887576	5.790936143	1.224112549	0.231377006	3.593186082	6.259546505
7.423844664	8.464420181	4.827460996	1.753389657	0.280188197	3.774165671	7.345120091
6.349856324	7.874728723	3.580097076	2.19958525	0.483595088	7.615842995	6.117798966
6.359899475	6.933644583	5.484672578	1.264185689	0.190115511	2.989284838	6.156136418
8.835806726	9.650015112	7.285285175	1.324589893	0.265144434	3.000794862	8.862096946
8.140293323	9.426610551	6.380739655	1.47735389	0.455619944	5.597094921	8.147063633
4.46880639	5.418531053	3.532319551	1.533986655	0.180285843	4.034317606	4.79773254
7.695673027	8.453079762	6.760512259	1.250360836	0.293393409	3.8124464	7.7709685
6.473237457	7.428414335	5.544719282	1.339727758	0.28480565	4.399740498	6.228299982
5.919606122	8.257509234	3.023776187	2.730859933	0.566135938	9.563743366	6.171690144
4.615025302	6.256339174	4.089273461	1.529939055	0.23464118	5.084288053	4.594040693
4.307673297	7.540003923	2.786083313	2.706309566	0.557046122	12.93148491	4.380714325
8.413231329	10.31661006	7.149174301	1.443049173	0.442350899	5.257800261	8.069089874
4.669822841	6.221544093	3.451697526	1.802459238	0.525360153	11.25010885	4.635677222
6.489912939	7.665716918	5.434077063	1.410675047	0.309795465	4.773491843	6.533344875
7.073605072	8.196496831	6.012966992	1.363136841	0.358057693	5.061884134	7.671374789
6.386405923	8.070087083	4.686491913	1.721988906	0.461346094	7.223876777	6.112221813
4.493429803	8.868717478	3.021630573	2.935076696	0.426862092	9.499694237	4.584310943
4.131992709	6.634767162	3.167131593	2.094882062	0.341894554	8.274326171	4.081525591
6.954311356	7.734251236	5.797740155	1.334011361	0.256662698	3.69069897	7.127935953
5.824677828	7.49015698	4.494231632	1.666615696	0.450625447	7.736487063	6.188714809
4.288315679	6.14980973	3.330086701	1.846741626	0.403006945	9.397790998	4.238178879
6.844765484	7.959866135	5.975061768	1.332181397	0.304909543	4.454638276	6.659520194

7.753009787	8.812293903	6.955559649	1.266942467	0.237752816	3.066587328	7.496072689
6.019730509	6.905535552	3.643803704	1.895144767	0.281644683	4.678692559	5.938486846
4.907418673	8.357178503	3.310287462	2.524608089	0.815104918	16.60964698	4.593760823
6.957775491	8.600487546	5.096477037	1.687535818	0.434910016	6.250704934	6.739486503
6.325940198	7.025602296	5.523868352	1.271862732	0.215943715	3.413622455	6.325263341
6.524591359	11.79482569	5.39632466	2.185714618	0.522461524	8.007574653	6.644982049
5.206880378	5.969146066	3.95450855	1.509453322	0.269225993	5.170581484	5.585237952
6.605841405	7.781097759	5.471365274	1.422149202	0.319164172	4.831544567	7.292009552
6.648622552	8.573386412	5.590719745	1.533503163	0.423462043	6.369169551	6.749503997
6.590926213	7.577994016	5.463767309	1.386954017	0.284433026	4.315524352	6.639636552
7.274234026	8.763096413	6.68718089	1.310432088	0.240382936	3.304580738	7.322509082
5.924808529	6.730985876	4.633294053	1.452743081	0.285643218	4.821138375	5.834441101
5.26307782	7.013248078	3.833350168	1.829534942	0.339410614	6.448899786	5.060104533
4.887146099	6.438637744	3.508397191	1.835207759	0.262350405	5.368171933	4.667760637
7.340878701	9.266104667	6.338304667	1.461921626	0.32982746	4.493024244	7.10863028
5.044036364	6.062266079	4.070209282	1.489423678	0.297948532	5.906946543	4.951529337
4.206272389	5.714878878	3.627057103	1.575624181	0.246467394	5.859520521	4.241957595
7.546637086	10.66847265	4.201888641	2.538970821	1.151006086	15.25190721	8.629723179
5.726126948	6.676957228	4.896032941	1.363748428	0.24320742	4.247328461	5.866803705
5.586581202	9.841841503	2.961762126	3.322968248	0.960432706	17.19177922	6.781014928
3.749706046	5.906517895	2.461307338	2.399748216	0.319938033	8.532349698	3.797231678
6.243678792	7.808549557	4.8615882	1.606172559	0.508300487	8.141041592	6.920902685
4.86331549	5.490200034	4.19434721	1.308952206	0.148799801	3.059637007	4.908255233
3.488887185	6.907010669	2.747549161	2.51388065	0.600479236	17.21119669	3.392123485
6.602369758	8.81396131	4.96201131	1.776288033	0.560372562	8.487445908	6.161190171
3.941548343	5.460542282	2.964145346	1.842197883	0.257282213	6.527440247	3.996374207
4.612864905	5.852606503	4.011469583	1.458968186	0.2385145	5.170637002	4.501924391
4.029167093	5.206532708	2.985024734	1.74421761	0.275764691	6.844210845	4.000300911
3.684769255	5.926879926	1.831416114	3.236227901	0.318961693	8.656218917	3.709222635
8.296829026	9.268673114	7.624275168	1.215679249	0.219929649	2.650767515	7.910529246
6.422385726	7.417989351	5.29779476	1.400203233	0.331093505	5.155303947	6.460490138
4.282537685	5.441125463	3.551972024	1.53186045	0.255394903	5.963634697	4.228710074
6.637987399	7.402178758	5.650187311	1.310076702	0.298420143	4.495641899	6.809208441
4.306894053	6.598705253	1.875027247	3.519258328	0.571654381	13.27300773	3.850926501
6.751271194	9.058997721	4.987797721	1.816231978	0.415468354	6.153927783	7.374265846
4.671218269	6.962439449	2.934909581	2.372284139	0.504053677	10.79062566	5.736535638
6.623810623	8.167010036	4.987350077	1.637544971	0.558558662	8.43258804	6.524483507
6.875799274	9.60179681	4.368078646	2.198173977	0.990133367	14.40026574	8.021143601
5.774027407	6.736837666	4.955452248	1.359479888	0.264328459	4.577887158	5.806745091
8.385217264	10.16697263	7.389534368	1.375861065	0.347488191	4.14405709	8.083369997
8.11717157	8.77884066	6.636973708	1.322717408	0.23709682	2.920929023	8.072653065
5.585622807	6.41339242	4.309655601	1.488144997	0.270245075	4.838226366	5.607052586
6.805954434	8.019638474	5.461858567	1.468298451	0.270494776	3.974384173	6.955041185
8.23944499	9.174268636	7.152968636	1.282581974	0.290491531	3.525620133	8.046499436
7.171415089	7.985160961	6.236988674	1.280291079	0.254391372	3.547296723	7.632585247
6.877182356	8.338949644	5.602032257	1.488557949	0.433187156	6.298904606	7.586329155
6.350943533	7.774208728	4.032378882	1.927945998	0.332730864	5.239077668	6.439399422

5.247310921	6.830224195	4.176491825	1.635397477	0.312706908	5.959374476	5.075181306
3.851425161	5.452434165	0.147263789	37.02494834	0.43120453	11.19597324	4.097100449
6.148897412	8.043400117	5.149353683	1.562021297	0.433880572	7.056233713	4.855579535
3.803723352	7.182218133	2.418745505	2.969398028	0.419556003	11.0301398	3.917815715
5.577860325	6.81268651	4.312696759	1.57968132	0.380049774	6.813540539	5.851330796
5.762843526	7.236074215	4.592079728	1.575772775	0.338565331	5.874970042	5.969460877
7.269140787	8.715639886	6.36856922	1.368539712	0.259562589	3.570746482	7.270148988
8.141327121	9.029616801	7.082407818	1.274936015	0.272170588	3.343073978	8.022832477
7.948727877	9.266590711	6.304524181	1.469831893	0.42987511	5.408099464	8.236958678
4.231020986	6.318607823	3.44384012	1.834756435	0.289389091	6.839698794	4.297728815
9.767448283	10.5677874	9.12690304	1.157872211	0.199321138	2.040667451	9.793431108
11.16076523	11.60015435	10.38946863	1.116530091	0.188488494	1.688849195	11.2626695
9.498473142	10.41357682	8.630330838	1.206625448	0.247121993	2.601702289	9.276368889
8.517813973	9.017712107	7.481880843	1.205273419	0.176641369	2.073787594	8.537022965
11.59699937	12.45795237	11.00927101	1.131587401	0.182924368	1.57734223	11.50455102
6.718919677	7.74202706	4.719199795	1.640538099	0.298035207	4.435760827	6.690512347
11.798936	12.39108226	10.99126118	1.12735764	0.198200931	1.679820377	11.83076969
11.7083881	12.32406753	11.0053269	1.119827483	0.184268578	1.573816789	11.69273572
9.342864607	10.90314523	8.594053441	1.26868483	0.310588399	3.324338003	9.226023702
11.21390931	12.28343135	9.716775129	1.26414692	0.266616514	2.377551898	11.04058512
10.31805484	12.38996125	9.336427258	1.327055939	0.300602965	2.913368552	10.25738536
9.11950449	10.10932333	8.151035144	1.240250244	0.243610149	2.671309052	9.160218077
10.98905396	11.76293576	10.18520148	1.154904571	0.220513444	2.00666449	11.10171951
6.530025461	7.560096151	5.478669561	1.379914606	0.286654721	4.389794846	6.74683893
5.456227164	6.05272281	4.694552953	1.289307602	0.222115672	4.070865543	5.886878604
9.173975845	10.56612964	7.739597428	1.365204035	0.365543015	3.984564831	9.306883929
9.852383198	11.25101549	9.000555545	1.250035671	0.219504644	2.227934493	9.91627297
11.49820364	14.21884436	9.832961296	1.446038883	0.349378984	3.038552756	11.49735633
11.66755524	13.22814269	10.54993408	1.253860222	0.182878877	1.567413851	11.52319544
6.401843573	11.90491342	2.197761419	5.41683611	2.595622038	40.54491504	6.80259532
10.8265355	11.84591038	9.363204653	1.265155555	0.331327203	3.060325281	10.9700987
7.000424368	7.886035573	6.09205618	1.294478472	0.310889165	4.441004555	6.752808241
7.376137986	8.888583762	5.838993148	1.522280218	0.401354038	5.441249048	6.532833646
7.809982373	9.192000847	5.888079757	1.561120302	0.451917986	5.786414927	7.451397779
6.474559565	7.474165533	5.144579937	1.452823287	0.250473655	3.868582142	6.571998807
6.179936373	7.159024487	5.464895711	1.310002032	0.251602173	4.071274481	6.325739917
10.67420814	12.22169377	9.287442173	1.315937536	0.333824851	3.127396868	10.75517432
9.47656871	10.189124	8.743892294	1.165284711	0.219203361	2.313108967	9.377944439
8.522273836	9.388901579	7.559679934	1.241970779	0.242555617	2.84613733	8.380434383
10.29450197	11.01296239	9.470880169	1.162823539	0.184927577	1.79637225	10.41244371
9.822646814	10.50841624	9.021557502	1.164811756	0.172371062	1.754833144	9.903097739
9.815536683	10.60855198	6.500256561	1.632020503	0.373685642	3.807083137	9.606838891
11.18774748	12.18842864	10.0931783	1.207590739	0.249632071	2.231298761	11.18468399
9.667710713	10.82827219	8.793419911	1.231406244	0.308875683	3.194920621	9.246927101
5.304736935	8.72169151	2.58449151	3.374625715	0.892112538	16.81728141	5.331612724
8.356593084	10.05706825	6.41272277	1.568299241	0.472049411	5.648826095	8.203001044
6.829138926	8.788101647	5.434501647	1.617094302	0.409425526	5.995273049	6.748853713

5.603837873	6.601785493	4.1246925	1.600552161	0.252693831	4.509299466	5.549101699
7.156356081	8.03788734	5.741998651	1.399841384	0.343171285	4.795335514	7.762250194
6.125030593	10.01836641	3.589457873	2.79105279	0.860136121	14.04296856	7.80721664
3.971883698	5.088998453	3.132897267	1.624374507	0.208624756	5.252539387	3.917081113
6.54942654	7.709642851	5.139136481	1.500182546	0.320091054	4.887314211	6.160973002
6.015952485	6.850383013	4.967583013	1.37901732	0.225369794	3.746203019	6.215959507
5.301398485	7.963427841	3.675818439	2.166436665	0.699043059	13.18601236	5.519867434
7.143387771	8.066282427	5.659786564	1.425191981	0.277732529	3.887966576	6.976026047
6.010723164	7.779223589	4.983294639	1.561060333	0.253794694	4.222365376	5.905958223
6.41697696	8.95926462	2.12745707	4.211255186	1.186726651	18.49354702	4.243767542
7.877003696	8.846174885	6.727820874	1.314864806	0.307709104	3.906423259	7.739370266
4.432937221	6.944675335	2.873581454	2.41673168	0.67702829	15.2726794	3.884364139
4.057770002	9.471486286	2.724947814	3.475841349	0.680263061	16.76445586	3.77701863
8.247698772	10.26886253	5.585711639	1.838416157	0.783966118	9.505270986	6.369757962
7.108384641	7.90062521	5.858179727	1.348648484	0.29740947	4.18392483	6.637982138
7.224899403	10.98189608	4.931733689	2.226782054	1.227904998	16.99546152	8.317479432
4.845210008	6.480764862	3.640485373	1.780192529	0.30614649	6.318539125	5.761630998
3.997069323	7.199092807	3.206622	2.245070609	0.406588549	10.17216656	4.651773492
6.060318053	9.627526403	3.107226403	3.098430933	0.92833523	15.31825924	7.634034297
6.826130334	10.15691461	3.860325495	2.63110316	0.989386231	14.49410109	8.546234569
8.192483019	10.68525431	5.135264231	2.080760372	0.841953337	10.27714473	8.834016944
9.935771484	11.33273412	7.842216284	1.445093288	0.581833198	5.85594384	10.37885965
4.298342147	7.098551052	2.915816573	2.434498493	0.423424235	9.850873209	4.910966118
8.109414681	9.450843002	6.463554983	1.462174148	0.329630569	4.064788672	7.662140317
4.648486825	7.296484989	3.468145778	2.103857639	0.48970087	10.53462961	5.267064368
8.236712921	9.424764344	7.179613814	1.312711879	0.228482883	2.773957099	8.009955932
4.476783809	5.487604587	3.792615008	1.446918439	0.236918789	5.292165077	4.408367041
4.006725714	6.204277411	3.076496664	2.016669637	0.341536831	8.524088142	3.848515501
6.97136561	9.260662547	4.502575009	2.05674809	0.563467408	8.08259729	5.737548679
4.929003755	7.860800731	3.843076353	2.045444849	0.333321189	6.762445428	5.153112477
8.08706159	10.04469871	7.1584102	1.403202447	0.347679089	4.299201693	8.064650922
8.490623474	9.6284691	7.479879675	1.287249196	0.298596863	3.516783704	7.930804235
10.79041151	11.99738817	9.554226274	1.255715306	0.286389785	2.65411365	10.39219417
6.791508308	7.795811644	4.334733796	1.798452226	0.4125654	6.074724213	6.046590496
5.98238733	7.225409394	4.892876134	1.476720276	0.296467499	4.95567208	5.794695181
8.199895821	9.325070695	6.805437449	1.370238249	0.415870786	5.07165939	8.209596657
6.808197117	7.698853614	5.428179731	1.418312214	0.342992177	5.037929595	6.414995253
6.299226778	7.028433402	5.47233616	1.284357027	0.252010479	4.000657343	6.268200386
7.602344612	8.369781934	6.062538111	1.380573908	0.296808355	3.904168644	7.33835875
5.978298177	7.045941574	5.148121574	1.368643198	0.271654404	4.54400895	6.004312685
3.702749386	7.682407955	2.476862549	3.101669068	0.55761745	15.05955148	4.161418284
5.561595957	7.185418692	3.462273043	2.075347208	0.463284982	8.330072616	6.421721196
6.192759498	8.554337557	4.178263869	2.047342586	0.575477571	9.292748594	5.892157566
4.573076467	5.831275895	2.523992744	2.310337821	0.380334015	8.316808559	4.261780373
4.69616157	5.655848278	3.801987613	1.487603026	0.290918787	6.194820658	4.637040049
3.998380453	6.567887228	2.626259862	2.500852	0.415585525	10.39384646	4.404792031
6.741519906	9.004756171	1.360611306	6.618169443	0.733885065	10.88604759	5.835374491

5.012994214	8.401047821	3.025377057	2.776859765	0.657032853	13.10659508	4.430549763
4.993970335	6.813484509	2.561276961	2.660190449	0.3897331	7.804073188	4.966649218
8.653509836	9.844800466	6.482798886	1.518603405	0.349956226	4.044095781	8.652826456
4.162068185	6.061716172	1.36159562	4.451921028	0.342660073	8.232927893	4.11246632
7.589796708	10.50233079	3.946108575	2.661439895	0.988960797	13.03013553	8.830620796
6.903988723	11.2805996	4.25745135	2.649613271	1.086657184	15.73955618	7.819692958
4.378729186	6.697358995	2.944347603	2.274649565	0.477480682	10.90454929	5.144366663
4.533801328	6.985777032	2.320367577	3.01063379	0.426601801	9.409362472	5.275099592
5.538170675	8.515573307	1.9319499	4.40776094	1.017833389	18.37851248	6.539990362
4.258652627	5.831797468	2.838054727	2.054857298	0.313574786	7.363239341	4.306443233
7.142979402	12.50772081	2.326316633	5.376620117	1.602901352	22.44023483	8.355395521
6.251169803	10.89181518	2.634562797	4.134202148	1.64245685	26.27439187	6.419094639
4.978728022	9.49287899	2.662120248	3.565909164	1.092199284	21.9373157	6.308920572
4.128185736	7.141792886	2.569517442	2.77942962	0.488684879	11.83776386	4.501442989
4.381536821	5.914417645	3.128045235	1.890771137	0.285174149	6.50854165	4.314837384
3.851951763	6.309257411	2.727727953	2.313008306	0.38728668	10.05429725	5.083454583
4.342461128	7.033112832	3.304189596	2.128543968	0.523461012	12.05447778	4.519326596
7.057810323	8.619222532	5.638672756	1.528590664	0.522639866	7.405127676	6.397711275
7.620347431	9.407958775	5.179925441	1.8162344	0.638755568	8.382236823	7.849349389
9.147079491	11.03512243	6.836657935	1.614110656	0.641794706	7.016389298	8.413801393
10.06245628	11.81783847	6.709595838	1.761333879	0.940996987	9.351563487	9.285262203
9.575213014	10.8380999	7.45470682	1.453859979	0.477467862	4.986498593	10.03873413
7.20368423	9.6162764	4.8579364	1.979498208	0.850715766	11.80945387	7.596919208
8.021508561	9.396768615	7.102245244	1.323070141	0.329220985	4.104227804	7.638258571
8.216651265	9.064547291	7.384783271	1.227462873	0.299477158	3.644759261	8.453978864
6.863782861	8.112481503	5.899541255	1.375103784	0.271938188	3.961928767	6.99489399
7.279770115	8.180910755	6.385705042	1.281128818	0.294943511	4.051549795	7.077343376
7.088438733	8.577387601	4.625894879	1.854211526	0.457435343	6.453259452	7.119088846
8.686508741	9.970549205	7.698003326	1.295212379	0.272349203	3.135312605	9.012924862
5.443504601	6.983498718	4.306412196	1.621651249	0.481314374	8.841994431	6.369181711
6.411073141	7.837758604	5.535906009	1.415804132	0.34687532	5.410565635	6.458050822
5.321619489	8.707228724	2.535710091	3.43384236	1.077651147	20.25043598	5.194728299
6.321429096	10.10372423	3.590845595	2.81374511	1.021235406	16.15513503	6.541526164
5.905332233	9.68609544	-0.164384027	-58.92358063	0.883870653	14.96733153	5.441373459
5.749616891	7.45128406	4.01670852	1.855072137	0.431824121	7.510485125	6.300633168
6.671373022	9.024265499	5.301340646	1.702261013	0.500766033	7.50619147	6.331660372
3.397797031	4.624225824	0.838436416	5.515296969	0.289381749	8.516746178	3.310460071
3.331971479	5.001627173	2.179588259	2.294757807	0.283846726	8.518882228	3.257838715
7.838434725	9.434301796	6.310122747	1.495105907	0.466755686	5.954705273	7.60765271
9.640746251	11.12193236	7.985832362	1.392707968	0.423633499	4.394198212	9.261258265
6.998532637	7.57241336	5.874716974	1.288983519	0.275169724	3.931820261	6.770481633
7.474254352	8.462691409	6.444741409	1.313115744	0.259030063	3.465630829	7.49333057
5.030561901	9.411736976	3.116558295	3.019913663	0.808820597	16.07813626	4.76967472
5.913952266	10.87125982	3.405727838	3.192051843	1.355092962	22.91349171	6.243738961
6.637843208	8.05645176	5.621915123	1.433044004	0.333997922	5.031723586	6.732504027
8.10278965	9.606894757	7.141564606	1.345208688	0.302015279	3.727299999	7.891966501
7.900934704	8.89513733	6.776323477	1.312678971	0.35414237	4.482284478	7.692499687

7.629044444	8.713759502	6.418139118	1.357676944	0.296684839	3.888885963	7.614088353
6.083423816	7.503105605	5.157424442	1.454816389	0.26751669	4.397469231	6.167108582
7.492646436	8.563252424	6.562654843	1.304845772	0.296896677	3.962507506	7.447945366
7.540904366	12.08111811	3.227353578	3.743351268	1.643073139	21.78880754	6.502726927
4.768214518	6.605450893	3.418265761	1.932398285	0.33447559	7.014692581	4.675626837
6.105585465	8.088753603	2.269822669	3.563605966	0.612609675	10.0335943	5.021302979
4.305120424	5.994813732	2.78078421	2.155799688	0.354055807	8.224062794	4.259440011
6.369493263	7.721403566	4.902780815	1.574902868	0.417212488	6.550167657	6.575541231
5.166821697	8.13136183	3.023717771	2.689193385	0.730492645	14.13814309	5.019487777
3.915171164	7.082680817	2.623046482	2.700173583	0.353591516	9.031316939	4.045364161
9.178771791	11.20110296	6.91864519	1.618973463	0.64524568	7.029760566	9.314397286
5.898920243	8.182744864	3.821744864	2.141101815	0.673583925	11.41876643	5.37143316
9.015880606	9.799345472	7.37059259	1.32951935	0.29225047	3.241507764	8.98448577
5.421878425	6.749101848	3.726176232	1.811267484	0.337001874	6.215592598	5.614132581
7.507748051	8.505612962	6.238512405	1.363404031	0.294852972	3.927315754	7.838471303
4.289722284	8.591984168	2.059319809	4.172243733	0.796202717	18.56070543	4.307379329
4.382684357	6.653176561	-1.013245349	-6.566204888	0.467770017	10.67313953	4.685254207
4.785379126	6.152338355	3.705460197	1.660343932	0.324014015	6.770916289	4.705174401
7.876070713	9.421644697	6.909732744	1.363532433	0.323102559	4.102331873	8.379382683
6.879234076	9.085055279	5.064955279	1.793708884	0.456693843	6.638730972	7.485761301
4.224349074	7.312976443	2.879149436	2.539978075	0.326785399	7.73575748	5.144460777
6.528991068	7.591696728	5.360614551	1.416198956	0.331191885	5.07263498	7.074010964
6.055110902	8.949887887	3.85394866	2.32226443	0.775400608	12.805721	5.691539557
7.46711304	8.808420108	5.611613179	1.569676994	0.550299095	7.369636595	6.574576228
5.682635923	7.80887218	4.05008655	1.928075384	0.323043086	5.684740148	5.939361228
5.004583057	6.639514176	-0.145061295	-45.77040473	0.461337487	9.218300147	5.455170166
4.088497087	6.572194248	2.236031721	2.939222278	0.511992773	12.52276233	4.479228652
4.916472709	6.209535799	0.554417618	11.20010547	0.388384558	7.899658581	4.941679304
4.218745812	6.175898138	2.26221584	2.730021614	0.258678123	6.131635679	4.268438923
4.642972642	5.970584634	3.918091042	1.523850408	0.326340381	7.028694887	5.345969868
3.872539587	5.542279432	2.893926696	1.91514161	0.269041905	6.94742813	3.868366702
5.660408752	6.482250076	4.404933732	1.471588557	0.271089504	4.78922135	5.818286281
9.230497686	10.16188695	7.683814103	1.322505569	0.276512269	2.995637709	8.854969305
5.05671842	6.578067219	0.455303113	14.44766581	0.372871128	7.373776764	5.559970696
6.514878291	8.765178278	3.812344435	2.299156969	0.673609318	10.33955338	7.330194537
4.585618088	6.939239991	2.06499105	3.36042134	0.574760335	12.53397741	4.597705407
5.788065563	8.295827255	3.189581397	2.600914108	0.760182635	13.1336217	5.14302065
4.132997722	5.196544011	3.520978356	1.475880703	0.195748439	4.736233885	4.005440025
5.114090503	8.19277725	2.961321029	2.766595438	0.544400658	10.64511192	6.105395755
4.571893912	5.554286492	3.48402116	1.59421721	0.279914362	6.122503448	4.514851532
5.950001047	7.325259121	5.006600187	1.46312045	0.373758452	6.281653545	6.203334932
5.90907871	7.410951803	4.627943856	1.601348684	0.520714498	8.812109698	6.778490092
3.85485789	6.079396362	2.853214752	2.130718116	0.251497423	6.52416848	3.830539601
5.703109812	7.316760779	4.206168168	1.739531204	0.292258858	5.12455253	6.39359985
3.278332178	5.661197017	2.716967691	2.083645321	0.260795718	7.955134	3.274505309
4.113206349	5.60822623	3.318677819	1.689897765	0.250871173	6.099163313	4.182108566
4.716833984	6.929611327	2.522558826	2.747056384	0.382536616	8.110029254	5.246578788

7.923479644	9.084187976	6.889711366	1.318515028	0.348340904	4.396312223	7.970633168
4.609534552	6.958811458	2.989276841	2.327924722	0.385692962	8.367286488	4.690526066
6.223524238	7.49899967	5.417368158	1.384251439	0.332360828	5.34039582	6.425709996
4.122099127	7.807877333	2.338921633	3.338238111	0.42948299	10.41903596	4.171348692
5.553312488	6.502315722	4.325975295	1.503086652	0.296805627	5.344659212	6.16702528
4.120226273	9.353347871	2.984316133	3.134167915	0.613868443	14.89890123	4.003677148
4.063328439	6.804112633	1.263385627	5.385618206	0.327928055	8.07042945	4.115676046
4.899051441	7.997995339	3.405393017	2.348626223	0.309732476	6.322294829	5.025327131
5.38495833	6.86280129	3.803810584	1.804191123	0.341235959	6.336835654	5.387771421
5.681389401	7.066863103	4.405364264	1.60414955	0.295508653	5.201344807	6.340893238
4.589995154	5.738711835	2.991344788	1.918438776	0.27580908	6.008918764	4.750792056
4.22454937	6.940853906	2.96206437	2.343248842	0.374455915	8.863807297	4.190675279
5.242211	6.95467516	3.649838578	1.905474725	0.462645779	8.825394073	4.970296111
5.606134371	7.367405326	3.659288445	2.013343697	0.494828183	8.826548739	4.662623884
5.447778332	6.477725879	3.602525197	1.798107029	0.322021953	5.911069302	5.76099006
5.936115146	7.809972018	3.818754404	2.045162163	0.566263887	9.539300919	5.283744343
4.639144105	7.47536039	3.007309615	2.48573022	0.399345748	8.608177256	4.532897443
5.806780155	6.467052933	4.759304113	1.358823219	0.195960239	3.374679834	5.96612828
4.028771706	4.907785024	3.386696521	1.449136347	0.238162505	5.911541335	4.085353622
3.96227457	6.826711629	-0.636045709	-10.73305194	0.411908902	10.39576875	3.918904601
6.821738471	8.265066245	5.359366245	1.542172314	0.430047145	6.304069651	6.629821079
4.127435764	5.654549279	3.390528678	1.667748548	0.246579632	5.974160384	4.119091797
5.544792725	6.568209216	4.61457894	1.423360463	0.216520138	3.904927539	5.489945011
4.819693169	9.23007792	2.91363834	3.167887308	0.948451338	19.67866636	5.273802521
4.121924805	6.084112007	2.488680463	2.444714015	0.353379318	8.573162665	4.161779308
5.006287234	7.343982706	3.57680584	2.053223751	0.444698012	8.882790603	6.433162982
6.589517277	9.180070205	4.180132339	2.196119515	0.720490708	10.93389209	6.328567522
3.805583839	4.754595825	2.563097393	1.855019571	0.204255598	5.367260486	3.841185656
7.798498732	10.21342781	6.246352288	1.635102751	0.679329859	8.711033788	9.120670599
7.128571142	8.231280704	5.690047371	1.446610224	0.376661585	5.283830066	7.114912411
7.998110231	9.750658846	6.063124815	1.608190355	0.606191675	7.579186299	6.865757389
3.57137189	4.513522316	2.936609113	1.536984373	0.183004254	5.124200448	3.567205201
4.269046851	5.301200121	3.090320131	1.715421023	0.254695454	5.96609648	4.23992837
5.130563569	7.451041314	3.007635862	2.477374807	0.500047488	9.746443669	5.089750241
3.893895283	5.660983177	3.193367038	1.772731762	0.250489137	6.432867842	3.96457653
6.020677209	6.846746146	4.970109503	1.377584567	0.23400244	3.886646506	5.488581666
6.033390809	9.995916473	3.466115483	2.88389597	1.318600628	21.85505083	4.594655674
6.739551898	11.11989736	4.192075897	2.652599245	0.81539377	12.09863478	5.617853574
4.790241444	12.41772712	3.515705939	3.532072174	0.838157593	17.49718887	4.953445504
8.556727426	12.19327021	2.093457988	5.824463772	1.58061431	18.47218254	8.397623535
6.907301565	8.989911307	4.954280304	1.814574622	0.632472325	9.156576115	8.594841977
7.281660113	8.657927896	5.745209712	1.506982048	0.432706289	5.942412606	7.049928172
6.685786774	7.988270124	5.608832624	1.424230434	0.31647741	4.733585146	6.447450948
8.2126928	14.63342615	4.570472966	3.201731257	0.681127905	8.293600187	8.134857808
6.845488589	10.07634031	5.332915631	1.889461788	0.401490455	5.865037241	6.742154925
5.964297084	6.541928347	5.005006827	1.307076808	0.175168715	2.936954889	5.941326386
7.416268039	8.120088825	6.478410262	1.253407626	0.244650986	3.298842289	7.461174609

6.649377676	7.39484674	5.020313033	1.472985189	0.2637324	3.966271925	6.357840018
6.281338942	7.070362317	5.68682128	1.243288995	0.189238503	3.012709622	6.265468971
5.962972061	7.193345497	4.984324533	1.443193646	0.311840571	5.229616503	5.490561768
6.681494498	7.897749827	5.016706933	1.574289655	0.430894328	6.449071066	6.766325307
5.713376071	6.82533525	4.427451152	1.541594704	0.333503505	5.837240554	5.489316194
6.062079021	7.18772179	4.59372179	1.56468374	0.291650483	4.811063695	5.923865371
6.090673154	7.145213666	5.198920488	1.374364867	0.278170331	4.567152495	5.866804485
8.255634369	9.317495765	6.906208723	1.349147722	0.345758904	4.188156702	8.769114221
8.445418354	9.335167704	6.275353013	1.487592441	0.298742723	3.537334812	8.777869699
4.600398617	8.20953661	2.467810174	3.326648336	0.503396416	10.94245211	4.693804667
6.752163096	8.133238571	5.839346897	1.392833602	0.407980943	6.042225834	7.093883246
6.093838615	7.735170907	5.298680714	1.459829592	0.284194662	4.663639455	6.168665085
5.788598936	6.782664018	4.498377962	1.507802162	0.307017212	5.303825939	5.793057092
4.488120449	6.81429072	3.863764112	1.763640461	0.268383692	5.979868301	4.49800619
6.307267527	7.820534443	5.002980203	1.563175173	0.306470611	4.859007645	6.236607117
5.328922982	6.96660125	4.272917542	1.63040854	0.364570045	6.841345727	5.427574655
5.183961582	7.139407764	3.830674335	1.863746991	0.436650593	8.423106264	5.314062771
7.063906721	8.173150787	6.053691927	1.350110129	0.29582945	4.187901425	7.105756213
7.92886791	8.810074643	6.735431247	1.308019386	0.318301275	4.01446056	7.829746969
6.838265147	7.711509038	6.083045569	1.267705288	0.245792974	3.594376185	7.145239289
8.694935937	9.380016578	7.579576016	1.237538427	0.27370224	3.147835035	9.18914187
7.215084772	8.036235313	6.432741994	1.249270579	0.207016898	2.86922336	7.427540913
8.269626405	13.0781698	7.43154205	1.759819121	0.377829847	4.568886536	8.416763788
7.131069793	8.279755691	5.403365962	1.532332947	0.348304672	4.884325661	7.402154644
10.10529721	11.41905146	9.028977891	1.264711421	0.329405113	3.259727109	10.16841693
8.452365074	9.748872393	6.59834204	1.477473028	0.344387337	4.074449383	8.618957827
7.202656309	8.980264069	4.247510101	2.114241957	0.393546912	5.463913528	7.171884401
7.982260311	9.253641564	5.928957299	1.560753619	0.338077828	4.235364612	8.228076969
7.07432274	9.287000832	4.724749337	1.965607098	0.589215243	8.328927939	6.320946168
6.057672053	7.355506669	4.426886669	1.661552965	0.348804428	5.75806061	5.589992297
7.981238458	10.95042579	6.086308534	1.799190056	0.482331974	6.04332243	7.146552889
7.684417497	8.451138965	5.786029832	1.460611025	0.322961793	4.202814247	7.334265302
6.306264457	7.571815871	4.833390871	1.566563945	0.290390196	4.604789386	6.217526134
10.32065339	11.17187048	9.051295745	1.234284107	0.252542774	2.446964982	10.06381704
6.702439437	9.358600245	2.480852135	3.772332947	0.816063419	12.17561795	6.314082462
8.355944009	9.087401972	7.408693387	1.226586322	0.252229936	3.018569	8.264829472
6.455040353	7.13335063	3.969950386	1.796836216	0.328459021	5.088411581	6.407438932
5.873666913	6.611355632	3.317375886	1.992947395	0.322675285	5.493591817	5.77388429
4.281612615	6.172587892	3.336295103	1.850132468	0.218134673	5.094684931	4.460167002
4.735701301	10.08849252	2.346534491	4.299315675	0.756952819	15.98396458	4.576895805
7.385470976	8.691476626	5.242274986	1.65795893	0.568317192	7.695070418	7.195260896
7.695708698	9.550752466	5.622450309	1.698681525	0.622215921	8.085232247	7.418564508
4.687084261	5.861370962	3.811036325	1.537999237	0.27047396	5.770622958	4.607022174
4.563264696	9.184420413	2.242848204	4.094980836	0.685815111	15.02904514	4.961822366
5.46396675	6.734043388	4.666641183	1.443017177	0.285757319	5.229850988	5.372999105
6.479190278	7.192135931	5.515924065	1.303885957	0.232341905	3.585971316	6.439457984
5.12335711	5.958651501	3.744540135	1.591290595	0.229176767	4.473175732	5.156305512

6.388593645	7.372365445	5.653382112	1.304062825	0.223254357	3.494577513	6.317564564
6.114143311	7.247386601	5.357286139	1.352809317	0.241374944	3.947812989	5.586376388
6.374926174	7.251081757	3.80676678	1.904787494	0.329180211	5.163670954	6.580784145
5.085866236	6.508405918	3.786368637	1.718904455	0.469419038	9.229873845	5.441829134
8.021825898	9.390922968	6.685607912	1.404647579	0.424556855	5.292521439	8.709041042
3.623777998	4.728152792	2.328923572	2.030188044	0.204172623	5.634247561	3.64015903
10.625169	11.6417953	8.180333705	1.423144302	0.450104465	4.236209937	10.82871918
6.477631753	7.605658579	5.085114737	1.495670987	0.327436388	5.054878082	6.225729588
4.527586696	6.681097964	3.266366055	2.045422298	0.391448865	8.645861287	4.893722625
3.765965389	5.498560667	2.390517535	2.300154918	0.306994902	8.151824852	4.026770007
5.215852796	9.819778208	3.615202871	2.716245411	0.799377338	15.3259183	4.775517524
7.011516263	8.97089483	4.490098808	1.997928156	0.567058114	8.087524768	6.05277156
4.255055667	6.988042603	3.366840621	2.075548976	0.298047427	7.00454825	4.333209425
7.832126326	10.92464048	3.450934138	3.165705298	1.315389309	16.79479179	8.383877972
6.864503699	10.06997809	1.826328094	5.513783709	1.299722798	18.93396602	8.239394283
6.888763791	8.186433013	6.073688429	1.347851986	0.297640581	4.320667535	6.796878241
4.131089466	9.701807541	2.437271508	3.980601877	0.749117929	18.13366512	4.512663756
3.880671646	6.390956999	3.043354812	2.099971049	0.280737076	7.23423938	3.940225554
6.928256476	7.766055096	6.188008669	1.255016842	0.275734275	3.979850866	6.695660115
6.076784566	7.324926502	4.788283157	1.529760514	0.299311432	4.925490257	6.102767073
4.746492583	6.344783224	3.837322574	1.653440153	0.313505058	6.604983633	4.644333257
5.526419987	6.931141259	4.228338124	1.639211684	0.340136683	6.15473821	6.193281869
4.889770451	5.710025872	3.565628946	1.601407763	0.21054392	4.305803752	5.043156803
5.586934295	6.886393459	4.470860913	1.540283537	0.329706667	5.90138794	6.358740671
4.264180506	10.16397866	2.844790067	3.572839618	0.528594875	12.39616556	4.311408487
7.950826898	9.213722009	6.469416862	1.424196679	0.397363278	4.997760402	7.688996288
6.367020885	9.043737484	3.478456981	2.599927937	0.496922197	7.804626462	6.31826406
6.210760778	7.178069603	4.041508856	1.77608657	0.286021421	4.605255804	6.365883224
7.364237676	8.819623363	6.299923363	1.399957246	0.367399687	4.988971066	8.209127938
10.63650306	11.35526705	8.688175026	1.306979545	0.251241297	2.362066702	10.4693167
8.018825822	8.995210223	7.027463364	1.280008128	0.28825226	3.59469411	8.16026277
7.483204135	8.701024247	6.608097238	1.316721582	0.247726188	3.310429374	7.665972242
6.670029082	7.831408763	5.804147893	1.349277949	0.259408163	3.889160901	7.062303887
6.3456443	7.300426718	5.327741804	1.370266613	0.267004247	4.207677499	6.325050519
7.642977363	8.79747457	6.457469833	1.362371764	0.311931161	4.081278091	7.772755555
6.628259994	7.834788255	4.860512368	1.61192641	0.364739691	5.50279699	6.927085943
6.917110993	8.26592554	6.082665828	1.358931392	0.250613063	3.623088649	6.968658843
8.512871043	9.237167468	7.308127231	1.263958217	0.270013285	3.171823981	8.498912787
6.956109096	7.674566478	6.162014493	1.24546388	0.241161019	3.466895301	7.095150401
6.89191754	7.94505419	4.747471982	1.673533666	0.368018801	5.339860768	6.860958776
8.015262041	9.083357237	6.457466435	1.406644127	0.323152044	4.031709039	8.089340245
9.472673298	10.35707643	8.654465829	1.196732026	0.304476087	3.214257236	9.820358973
10.13078374	11.73715023	8.582449627	1.367575778	0.431743693	4.261700813	10.09025941
4.277940492	13.77259562	2.532997591	5.437271504	0.843684251	19.72173883	4.177458082
5.008431326	7.89205633	3.074158441	2.567224976	0.624743613	12.47383806	4.716470202
6.666826672	7.787583643	5.672142252	1.37295281	0.324856793	4.872734952	6.726007606
7.947666702	8.841251835	5.48291338	1.612509851	0.36384062	4.577955191	7.729604238

6.686856999	8.171425501	2.583058851	3.163468574	0.445263874	6.658791631	6.070586336
5.552042612	8.350277901	3.542539252	2.357144779	0.680440897	12.25568578	6.012907194
3.958976772	4.642419135	3.515251384	1.320650681	0.193164372	4.879148897	3.984109963
7.812935907	10.98732769	5.863750177	1.873771453	0.840898736	10.76290329	8.188608853
6.607524225	7.334819573	6.092441036	1.203921307	0.239303224	3.621677588	6.7365056
7.862904356	8.518556017	6.794058754	1.253824308	0.318311335	4.048266648	7.851565967
6.067807982	8.193629121	4.200829121	1.950479033	0.797129389	13.13702396	6.067190232
6.281159894	7.999165827	5.214371651	1.534061314	0.238024034	3.789491725	6.208065891
7.454832345	8.467438119	6.246568616	1.355534317	0.313230972	4.201717182	7.243513927
7.056408435	9.781991943	5.357691943	1.825784694	0.70058621	9.928368189	7.669609604
7.115510162	8.586122763	5.19297968	1.653409659	0.433540601	6.092895532	7.509801851
6.498472737	7.647698983	5.115353112	1.495048106	0.363307051	5.590652839	6.128313628
6.232446342	7.240330504	4.602600807	1.573095475	0.32216853	5.169214658	6.030037605
6.084301359	6.750457893	5.250451569	1.285690917	0.206160233	3.388396149	6.245652132
5.610456324	7.507257439	4.722444447	1.589697353	0.325825366	5.807466407	6.031083329
4.95612187	7.383322396	3.863806373	1.910893477	0.423313096	8.541216442	6.242048055
5.086351832	6.24967165	3.953774521	1.580684892	0.295002615	5.799886143	5.037042147
5.909520252	7.936952319	4.895245029	1.621359559	0.41002378	6.93835984	6.443156271
4.910730693	6.642849343	3.978498952	1.669687342	0.382015946	7.779207816	4.869751393
5.187424774	5.980269697	2.402201195	2.489495763	0.266042912	5.128612438	6.010909287
6.097619217	7.093714571	3.956424181	1.79296108	0.392720311	6.440551591	6.007452246
7.051094995	7.903486293	6.057657284	1.304710043	0.290161015	4.115119918	7.188059478
6.508314339	7.819227935	5.214282322	1.499578936	0.304835891	4.683791757	6.501836052
7.713653692	9.204733714	6.295224861	1.462177113	0.463962341	6.014819424	7.166451241
6.718854971	7.763858112	5.410368875	1.434996077	0.304069177	4.525610072	6.739424892
5.889922599	12.79419344	2.541923227	5.033272958	0.827817282	14.05480747	4.479175252
5.063836552	7.428798044	1.501773196	4.946684401	0.520219625	10.27323098	4.858373906
6.541119547	7.407190222	5.87355319	1.261108903	0.208793677	3.19201744	5.966203901
7.953783744	9.769436728	6.388383032	1.529250309	0.334059533	4.200007742	7.978347757
6.243035786	7.253033593	5.722487264	1.267461728	0.232490612	3.723999355	6.021120439
6.746712775	7.733862618	5.333594202	1.450028316	0.311174831	4.612243645	6.825488716
4.755308287	8.401607613	2.442913499	3.439175238	0.639648471	13.45125138	4.430712199
7.509409599	8.617271919	6.236237698	1.3818062	0.356669283	4.749631484	7.222772511
6.340579688	7.275359752	4.968559752	1.464279412	0.314278511	4.956621107	6.162338439
6.344770266	7.196793208	5.139193208	1.400374128	0.304203918	4.794561588	6.183044505
6.819797806	7.91541009	5.273706014	1.50091986	0.393507814	5.770080369	6.689804385
5.915986055	7.383584877	4.741584822	1.557197679	0.425008844	7.184074465	5.295926194
6.851332665	8.172762357	5.47165204	1.493655353	0.329145584	4.804110382	6.358281383
8.36367112	9.387272199	6.21395709	1.510675414	0.323495786	3.86786832	8.610127858
3.615774608	6.67090492	2.619094524	2.547027173	0.421114939	11.64660369	3.718986114
6.902785742	8.079309961	4.445759304	1.817307103	0.393942963	5.707014211	6.508472541
5.261195426	7.856974881	3.269811095	2.402883424	0.405239892	7.702429952	5.162895788
4.116252246	5.099915047	2.882262455	1.769413829	0.168602005	4.096007606	4.185193579
4.573588388	5.641848268	3.477170524	1.622540002	0.233793531	5.111818355	4.479456193
8.688147627	9.545235701	6.681477928	1.428611425	0.419886608	4.832866868	8.642713248
4.822343397	7.92710174	2.095653276	3.78263992	0.892645447	18.51061554	5.307672174
4.30539226	4.883417288	3.748100481	1.302904581	0.194644336	4.520943143	4.349675023

4.8801369	6.085184339	3.538466093	1.719723795	0.269745754	5.527421857	4.755801675
3.51376613	7.785817024	2.461914851	3.162504593	0.561239275	15.97258481	3.444697696
4.477260333	6.317053363	3.352049107	1.884534851	0.278501767	6.220361255	4.517498677
6.774837128	7.68816236	5.990324963	1.283429932	0.219693516	3.242786681	7.097023878
5.900341448	6.769847858	4.240017601	1.596655603	0.261810008	4.437200969	5.801424497
6.953620477	8.130415145	5.257959129	1.546306266	0.260321345	3.743680659	7.18698772
5.761711896	6.994159756	1.681887082	4.15851922	0.415311023	7.208118536	6.000631076
9.015059355	10.13281444	7.896380361	1.28322269	0.285788972	3.170128572	8.84553601
7.037576264	8.106921622	6.062295546	1.337269284	0.211541147	3.005880707	6.961014839
6.598220067	7.755945984	5.200061841	1.491510336	0.269647443	4.086669435	6.620709789
6.732908349	7.908489617	5.386299789	1.468260202	0.329248304	4.890134949	6.969066354
6.082371705	10.0910784	4.516770055	2.234135958	0.372592838	6.12578212	6.795942954
7.177486771	8.050348696	6.154863293	1.307965476	0.295539587	4.117591525	7.167591191
5.060203447	6.217178552	4.112340862	1.511834442	0.303081357	5.989509321	4.851793722
9.319008504	11.41052413	8.192171347	1.392857113	0.29711562	3.188275018	9.350569828
8.205874738	10.85814414	5.888425	1.843981054	0.802688997	9.781882162	8.917274175
5.721683026	7.73877764	3.90300264	1.982775405	0.540491343	9.446369894	6.164654303
7.068184036	8.61510374	6.21300374	1.386624586	0.291177647	4.119553847	7.095962953
5.98895039	6.883905476	3.691949221	1.86457209	0.296214078	4.946009876	5.995348532
6.786922918	8.139109591	4.910135046	1.657614203	0.271793708	4.004667677	7.252338019
4.156302138	5.693665934	3.446973595	1.65178693	0.243527468	5.859234012	4.221790222
4.409662471	5.762010922	2.971436618	1.93913304	0.264122228	5.989624601	4.414928011
4.536169418	6.696994276	3.885502183	1.723585256	0.227822158	5.022346764	4.470337565
5.903289243	6.695374163	4.852174163	1.379870948	0.217095602	3.677536259	6.050888718
9.788565102	10.44434916	8.765290991	1.191557607	0.224579539	2.294305005	9.673077162
7.098085012	8.260703599	6.253866386	1.320895441	0.299924324	4.225425917	6.778400809
6.961379314	8.66124609	5.778070753	1.498985814	0.4304361	6.183201361	6.833476486
3.70826725	4.650686591	3.105116849	1.497749301	0.216789366	5.846109562	3.650138317
5.927023092	6.930993902	5.026551045	1.378876657	0.266133428	4.490170255	5.767274631
6.993534999	7.718331044	6.417111179	1.202773464	0.203792439	2.914011855	7.059620062
5.677781296	9.69782264	4.187361611	2.315974483	0.521927747	9.19245951	5.849627675
5.075376094	7.45985581	4.280972631	1.742560968	0.439523546	8.659920729	5.512721565
6.932874244	8.71843098	5.015345693	1.738350956	0.335549245	4.839973043	7.000858384
6.279341019	7.192494791	5.173795823	1.390177548	0.28072549	4.470620233	5.930824359
8.164070817	9.14134742	6.930008403	1.319096152	0.290269579	3.555451506	8.558297014
8.659808126	9.582772616	7.632888285	1.255458256	0.273998659	3.164026908	8.574947611
6.123729766	6.783890078	4.983834271	1.361178905	0.196648344	3.21125118	6.206433364
8.007654221	10.44655083	6.154374498	1.697418776	0.49134587	6.135952628	8.149387499
4.627082175	5.621076009	3.86350506	1.454916176	0.238023524	5.144138689	4.712073069
5.961658985	7.416234013	4.368749675	1.697564421	0.276007666	4.629712405	6.09415196
6.157714741	7.590930088	5.071804207	1.496692258	0.332428802	5.39857425	6.153072565
6.890810372	7.819211755	5.62032288	1.391238888	0.334729579	4.857622851	6.722774963
6.238458746	8.236489953	4.428914694	1.859708421	0.502211054	8.050242452	6.738271563
5.851164718	6.581927617	5.100468659	1.290455457	0.275456501	4.707720839	5.895566215
6.264107782	7.371022976	5.543573825	1.329651811	0.251668816	4.01763227	6.441689004
4.903642035	7.318183933	3.525003925	2.076078237	0.369388446	7.532940683	4.807055022
6.355498693	7.313482341	5.587082843	1.308998371	0.280389586	4.411763722	6.376808759

6.344390212	7.504298795	4.894081966	1.533341462	0.282686214	4.455687695	6.190010697
7.366941595	8.954452758	6.480023214	1.381855043	0.264139726	3.585473329	7.298606462
4.514864295	11.21040022	1.959924521	5.719812216	1.353310597	29.97455756	4.5360821
6.916127892	8.163862997	5.151903423	1.584630442	0.457154938	6.609983869	6.744535121
5.554520307	6.381838433	4.703605136	1.356797233	0.212564463	3.826873452	5.841976011
7.566562208	8.90372973	6.440848469	1.382384599	0.375653142	4.964647508	7.035056901
8.553106271	9.479603068	7.010708637	1.352160468	0.295804854	3.458449414	8.886302688
6.870774071	7.709471347	6.096120182	1.264652126	0.179593726	2.613879081	6.870259025
9.599037542	11.42819277	8.257413005	1.383991907	0.357849118	3.72796873	9.836679068
4.64654825	9.593337931	2.776176198	3.455594043	0.758189072	16.31725383	5.458882919
7.591840811	8.40271873	6.27307873	1.339488805	0.267223568	3.519878441	7.358031461
6.232143231	7.441577106	4.355706122	1.708466296	0.371740769	5.96489451	6.370274265
6.045505798	7.993278357	4.649578357	1.719140478	0.487032025	8.056100532	6.575893563
6.1980094	8.016116318	4.92398215	1.627974285	0.4029127	6.500679072	6.268032507
4.59186946	5.605425456	3.391898902	1.652592137	0.270457238	5.889915643	4.528980379
6.006625363	7.385262403	3.71843184	1.986122839	0.429414267	7.149010323	5.68316388
5.74338326	7.210837969	4.828182056	1.493489244	0.385082989	6.704810936	5.753191579
7.206166564	7.939470618	6.418143775	1.237035332	0.247224927	3.430741226	7.216205208
5.71675456	6.586359316	4.903025183	1.343325614	0.212015249	3.708664528	5.733013751
4.643608541	5.299090482	4.024470045	1.316717586	0.177769508	3.828262153	4.651483688
6.957522173	8.071903233	5.839026001	1.38240577	0.30781877	4.424258559	6.968570858
4.158160032	5.87853236	2.669563585	2.202057442	0.310630537	7.470384357	4.411625065
6.267708397	7.290517672	5.303477688	1.37466736	0.273599462	4.365223216	6.273510824
4.188509665	5.264151691	0.163861876	32.12554265	0.338433775	8.080052372	4.85729777
3.732567168	6.7205929	2.447544515	2.745851141	0.41603136	11.14598455	3.790930761
5.420572227	7.380107248	1.125236103	6.558718856	0.596261101	10.99996599	5.388708776
5.503042081	6.551727913	4.453502963	1.471140351	0.260108863	4.72663772	5.575983092
6.483581912	7.476081144	5.244581144	1.425486791	0.272469265	4.202449644	6.362570057
6.949931488	9.956549062	4.337751026	2.295325159	0.756659676	10.88729691	7.189059537
6.373985328	7.908660703	4.610833326	1.715234567	0.376954036	5.913945777	6.585027527
6.533917565	8.719679965	3.972701818	2.194899181	0.361129807	5.527002806	6.866463397
6.576887838	7.528531182	5.240486591	1.436609187	0.298330624	4.536045483	5.973932206
6.04582971	6.784068829	5.49772914	1.233976549	0.221052724	3.656284325	6.050504994
4.413923322	6.112806356	3.098584841	1.972773595	0.370095714	8.38473364	4.493310378
6.979843269	13.13544114	3.364868008	3.903701752	1.977795072	28.3358092	5.855704361
5.339082698	7.855183474	3.631016808	2.163356407	0.654427574	12.25730357	6.26984478
4.594326487	6.008063158	3.513225656	1.710127315	0.280544803	6.106331443	4.559620855
6.347331829	8.414126896	5.088393562	1.653592002	0.446853099	7.040014778	6.642338031
12.01419494	14.24935681	2.731535025	5.216611423	0.922376009	7.677385076	8.337130102
6.105799768	8.572172958	3.78977766	2.261919755	0.626256627	10.25675015	5.488449982
5.759602117	6.832291839	4.776575507	1.430374508	0.348702543	6.054281801	6.098644457
7.916587779	9.331852747	6.720807234	1.388501771	0.424968933	5.368082125	8.422277635
5.053942314	7.518452914	3.213223293	2.339847632	0.509315419	10.07758671	5.134454511
5.558341855	6.809402685	3.519294978	1.934876936	0.405533295	7.295940155	6.033617183
8.863765375	11.70835759	5.642352776	2.075084288	0.894534095	10.09203265	10.3372402
6.524573995	8.105538878	5.078935228	1.595913024	0.522536571	8.008746187	6.601065584
4.215832551	5.204088411	2.306565998	2.256206159	0.247900741	5.880232159	4.282479927

7.127970236	8.506556738	5.221797312	1.629047669	0.425080472	5.963555654	7.725067927
6.568649421	8.886471319	5.219387316	1.702588978	0.546194761	8.315176011	6.385078951
4.825656221	9.223486925	3.716099106	2.482034699	0.521608378	10.80906625	4.574372358
6.014937571	7.689833406	2.732456953	2.814256012	0.572722664	9.521672616	6.904148302
4.461658522	8.365919573	2.821338717	2.965230485	0.448852935	10.06022609	4.415406025
4.03377974	5.403645088	2.727754844	1.980986341	0.273404114	6.777864222	4.161660512
6.673581574	10.88069007	4.954987619	2.195906612	0.632198842	9.473156731	7.060535691
5.897648791	7.985876027	3.552163294	2.248172554	0.673188399	11.41452166	6.696368802
7.807921856	11.47633282	3.237380041	3.544944577	1.308172702	16.75442872	9.148369554
6.410885085	8.871334077	4.860340238	1.8252496	0.401577072	6.263987986	6.545365768
6.234062255	10.35257605	3.694813716	2.801920975	1.275276201	20.45658431	5.847052035
6.134549587	7.767454831	5.042846408	1.540291772	0.359187125	5.855150738	6.503174083
3.868233564	4.809561079	2.800296513	1.717518505	0.198266906	5.125515361	3.862668616
4.973499619	6.153980869	3.509341662	1.753599809	0.372411629	7.487919127	4.961662234
7.688278438	9.671337231	5.469037231	1.768380214	0.610449076	7.939996981	7.998247644
8.594357514	9.944617756	7.146640524	1.39150944	0.428205399	4.982401516	8.661304604
6.901084351	8.256623289	5.979451443	1.380832902	0.330317432	4.78645696	6.827520371
6.792993925	7.559049407	5.395535767	1.40098217	0.215375082	3.170547243	6.703077064
6.913077599	9.044766628	4.190724483	2.158282336	0.772260947	11.17101517	6.388374351
5.185435244	6.67169334	4.351687499	1.53312786	0.345769075	6.668082027	5.11654107
10.62205137	12.21078144	7.167629636	1.703601059	0.874908825	8.236721841	10.98933973
8.260827255	9.940386169	6.767076073	1.468933711	0.498712915	6.037082	9.190195423
8.731365636	10.33147222	5.983572218	1.726639513	0.706967642	8.09687363	8.916929731
7.836412721	8.622710146	7.016975831	1.228835663	0.282688507	3.607371345	7.636392899
5.663365464	6.950082928	4.368266671	1.591039067	0.45673686	8.06476049	6.658588301
6.48983139	7.376998355	4.661554882	1.582518825	0.290063477	4.469507141	6.319306814
8.177145669	9.774649754	6.936853527	1.40908983	0.313751169	3.836927716	8.025574337
4.916328125	8.551555937	2.290711703	3.733143689	0.561690239	11.42499493	4.872659492
5.731189488	7.949541359	4.481541359	1.7738409	0.533528636	9.309212986	5.930801925
7.468732581	8.529123692	5.934924021	1.437107478	0.401310517	5.373207735	6.13627538
6.445308279	7.498319448	5.38018607	1.393691473	0.359285148	5.574367155	6.228709573
4.90017395	6.11202386	3.210573889	1.903716928	0.388484273	7.927969027	5.304239305
3.963446384	10.00305525	2.521901393	3.966473582	0.518696611	13.08700967	4.368909584
6.321629639	7.111582694	5.155515382	1.379412564	0.279836659	4.426653805	6.512841853
8.198101711	9.36068704	7.118185643	1.315038341	0.339968981	4.146923185	7.702042639
4.999756613	8.454890385	2.242493393	3.770307823	0.731666937	14.63405109	6.186128501
6.741545369	10.30862906	5.342131396	1.929684671	0.695861924	10.32199423	7.78745289
5.356019566	6.629926677	3.961419703	1.673623896	0.407562091	7.609421249	5.19364712
6.066989055	7.82223925	3.990410859	1.960259113	0.495013963	8.159137228	6.032078025
3.821964063	5.36779274	3.072672832	1.746945748	0.275512829	7.208671364	3.57803871
7.021966168	9.562127774	4.34843065	2.198983621	0.865843235	12.33049569	6.081843531
4.297029799	7.1932353	2.69955581	2.664599589	0.792158355	18.43502121	4.235664072
5.183302188	11.43853927	0.50294129	22.74328934	1.351741267	26.07876636	4.650345833
7.714359336	9.098925124	6.43174446	1.414690086	0.391051704	5.069140384	7.706099534
7.633531894	10.03132477	6.036527412	1.661770765	0.52432893	6.868759274	7.934056278
7.151787221	8.52469089	5.680104725	1.50079819	0.488151344	6.825585394	5.588884294
5.671473708	7.636024468	4.374223683	1.745686783	0.359605398	6.340598879	5.927179354

6.746219681	7.688116616	4.912319078	1.565068656	0.310000188	4.595168882	6.62813777
5.663436307	6.717043024	4.052392935	1.657549781	0.327781812	5.787684259	5.818131475
5.1880044	8.29065962	3.135377211	2.644230363	0.582907852	11.23568538	4.792200342
7.147699228	10.13146519	5.592865192	1.811498194	0.596866012	8.350463456	7.142104334
4.675607306	6.983560648	3.222867076	2.166878274	0.386967923	8.276313591	4.858093041
7.242148203	8.298243257	6.161182513	1.34685886	0.237331527	3.277087404	7.33574796
6.129787413	7.589498648	4.113507196	1.845018931	0.475486169	7.756976495	6.227118944
6.895265117	9.769459233	5.235209233	1.86610674	0.798033922	11.57365102	7.890663308
5.655998677	8.904353507	3.51096586	2.536154967	0.731878934	12.93987103	7.485197089
8.569288966	9.770699598	7.171919791	1.362354834	0.39877287	4.653511758	8.664363758
6.907308815	9.218574891	5.646941856	1.632489784	0.584876779	8.46750586	7.381381103
4.169819286	7.416419164	3.034513707	2.444022298	0.370555442	8.88660674	4.124783799
4.198173706	10.65012417	3.511600062	3.032840865	0.684353289	16.30121423	4.191633219
4.621903926	11.96557274	3.382585532	3.537404341	0.87741983	18.98394783	5.935658363
4.242497334	6.345729429	3.270762239	1.940137792	0.278737277	6.570122618	4.168142909
4.898268756	11.83641863	-0.554025191	-21.36440512	0.804909963	16.43253981	5.050596892
3.740684784	5.268550601	2.034708918	2.589338728	0.275845168	7.374189061	3.610168952
7.985638479	9.644513813	6.401553177	1.506589658	0.395255361	4.949577444	7.973774387
9.168507854	11.01805134	7.375531468	1.49386541	0.335316584	3.657264516	8.849911028
5.383660077	6.237653269	4.647269743	1.342218897	0.182521484	3.390286194	5.52932978
6.324632726	7.220986144	5.111034738	1.412822748	0.325425333	5.145363327	6.29402924
6.28512882	7.273325925	5.317275925	1.367866936	0.271288978	4.316363052	6.081812705
8.385847391	10.08512985	6.959296518	1.449159383	0.398929302	4.757173402	7.969489838
6.919838914	8.374239657	3.344735094	2.503707893	0.545912192	7.88908816	7.550703714
7.148504229	8.047165576	5.6893684	1.414421604	0.342474574	4.790856424	6.101443048
7.745849243	8.542743775	6.581507775	1.297991899	0.256242059	3.308120917	8.396078874
8.549098561	10.26352645	2.858827214	3.590117795	0.468986444	5.485799948	8.798780841
7.263388048	9.55843514	6.015601807	1.588940799	0.367518082	5.059871231	7.691708607
5.674276824	9.398444362	4.285719362	2.192967754	0.458412221	8.078777883	6.112991102
6.039851982	7.526851169	4.632551169	1.624774535	0.400463129	6.63034674	6.950318144
7.161794922	8.316389838	4.488605332	1.85277814	0.439173265	6.13216756	6.387772584
5.974963499	6.921762263	5.19926801	1.331295531	0.262135947	4.387239298	6.0779769
6.972306497	8.673819062	5.950521113	1.457657052	0.314602296	4.512169633	6.871368117
3.300289183	6.788552005	2.04676993	3.316714744	0.360778003	10.93170881	3.157915202
5.74288685	6.768280192	5.134226359	1.318266808	0.218907468	3.811801858	5.604269794
6.59531985	7.3756268	4.664982368	1.581062096	0.283978577	4.305758989	6.547959439
5.030572007	6.409653919	4.126022039	1.553470596	0.29467856	5.857754531	5.147822954
5.477073242	7.112566499	1.609127698	4.42013801	0.408370593	7.456000212	5.569663376
5.911973314	7.221606987	4.795780046	1.505825313	0.324820564	5.49428332	6.180783517
4.875478873	6.770981696	3.744631696	1.80818362	0.444165822	9.110198894	5.298095497
6.024121989	7.2879133	5.235539148	1.392008176	0.260093398	4.317532052	5.975255525
4.696021829	5.81363484	3.094926366	1.878440439	0.297170462	6.328132051	4.636285213
5.1694895	6.128810478	3.951601828	1.550968631	0.248616989	4.809314135	5.6395425
6.237543134	8.830109102	4.701567043	1.878120427	0.471955313	7.56636552	6.401134529
3.603797678	5.647994097	-1.373543746	-4.11198705	0.484258942	13.43746197	3.807501622
5.257433507	7.794596984	2.969596663	2.624799887	0.635934193	12.09590559	4.886343319
5.189156489	6.251698936	4.354258238	1.43576669	0.295515754	5.694870722	5.440359229

7.405582395	8.731511426	4.10134544	2.128938309	0.38484647	5.196707689	7.475451841
7.272443618	8.576186269	4.578361435	1.873199919	0.315710322	4.341186241	6.98112174
6.25525231	8.406044079	5.239476596	1.60436714	0.341552034	5.460243923	6.02817092
8.546245011	9.31686323	7.132195889	1.306310619	0.257429373	3.012192755	8.53982748
8.739886093	10.17839828	4.123564949	2.468349209	0.67670571	7.742729175	5.436474723
5.937612219	8.570306986	3.222206986	2.65976302	0.628915413	10.5920594	6.00900981
7.615602506	9.113763139	6.320138485	1.442019532	0.440605816	5.785567401	7.237852992
7.730078703	9.530762044	6.547662044	1.455597735	0.357983106	4.631040894	7.681265034
7.84623832	8.747656022	7.017428199	1.246561529	0.231273141	2.947567127	7.788779367
4.493212172	7.217489477	1.94264254	3.715294671	0.571069984	12.70961535	6.308959759
4.294832548	10.74021737	2.994031731	3.587208934	0.627535174	14.61140025	4.280317121
4.65217085	8.068322994	3.294034109	2.449374453	0.474867673	10.20744267	4.849293929
7.745022826	9.473235595	4.734585595	2.00085845	0.575182795	7.426482892	7.989739908
7.275032842	8.388164092	6.17831208	1.357678923	0.337916054	4.644873242	7.722692161
7.478756843	8.300875566	6.488020364	1.279415769	0.234733479	3.13866976	7.473264222
4.491448551	6.291730989	3.017336788	2.085193477	0.299745305	6.673688935	4.535466092
4.064582061	5.241132784	2.642501025	1.983398581	0.264944297	6.518365063	4.168149687
6.629164646	7.237297604	5.065164236	1.428837698	0.273235551	4.121719189	6.629338513
6.555227488	8.233630066	4.810696732	1.711525487	0.506772913	7.730821154	5.814366411
5.966536077	9.257734545	2.743418421	3.374525182	0.780381001	13.07929746	7.852332863
5.429673696	9.451649158	3.831819203	2.466621899	0.729556071	13.43646251	6.605151418
4.142212993	5.832849443	2.774488331	2.102315363	0.388252426	9.373067657	3.947354963
7.727549091	8.788767988	6.599562391	1.331719812	0.273835245	3.54362349	7.968821081
5.788960498	8.280545239	3.338245239	2.480508365	0.626916297	10.82951417	6.584796892
3.654382662	6.840845928	0.038509081	177.6424105	0.435803699	11.92550806	3.69743693
8.302506618	10.74394333	4.958664188	2.166701135	0.866064042	10.43135624	9.411457508
3.428920435	5.89245498	1.735500337	3.395248536	0.342217461	9.980326671	3.722850755
7.407725289	8.311743514	6.301938128	1.318918616	0.267154484	3.606430765	7.503422437
11.80918942	12.24613593	11.2007872	1.093328148	0.163748808	1.386621914	11.65609842
11.24230333	12.60116399	7.04810527	1.787879651	0.351643104	3.1278564	11.39901573
7.356977003	7.84261604	6.386577059	1.22798425	0.198659313	2.700284552	7.34284896
8.468554156	9.535332831	6.945173353	1.37294382	0.353660598	4.176162679	8.631843912
6.551570137	7.592464748	5.920755299	1.28234733	0.206732257	3.155461255	6.483238365
5.769078565	6.518363794	4.56868549	1.426748199	0.281719392	4.883264951	6.109305395
8.079989924	9.269895082	7.212302759	1.285289233	0.249007306	3.081777438	7.935681847
7.899552989	8.633592736	7.133406206	1.210304375	0.231519846	2.930796798	7.947200462
7.417538772	8.392650798	6.137446141	1.367450012	0.301023665	4.058268839	7.611301838
6.68940521	7.411605151	6.044930526	1.226086077	0.224112699	3.350263468	6.731803213
6.574926996	7.389355685	5.476831966	1.349202556	0.242650849	3.690548187	6.373584886
7.625353476	8.397850229	6.694318813	1.254474199	0.250453822	3.28448803	7.698205284
7.934886983	9.329941635	6.806683956	1.370702929	0.309969221	3.906410034	8.20611978
6.535924352	7.475262352	5.008935377	1.492385465	0.31582711	4.832172048	6.570116649
6.476339337	7.094946958	5.937851312	1.194867737	0.157102799	2.425796283	6.300648642
8.059603836	8.938837344	6.492108275	1.376877428	0.276990951	3.436781216	7.931079326
5.550718149	9.335948569	4.042110835	2.309671592	0.52317749	9.425401833	5.746599437
8.224836388	9.171609554	6.488558218	1.413505011	0.373424095	4.540200896	8.468827761
4.136845083	7.839086702	3.258028595	2.406082842	0.323209599	7.81294905	4.242507273

8.695359812	10.30479715	6.498024967	1.585835266	0.579384128	6.663141498	8.009237502
4.647842944	5.840409699	3.910510864	1.493515784	0.237530154	5.110546042	4.546070177
8.182594915	9.080052381	7.320437965	1.240370101	0.308380642	3.768738953	8.42967067
5.689550909	6.41245481	3.281519536	1.954111423	0.247227851	4.345296395	5.944326138
4.073766431	6.30405324	2.092497303	3.012693603	0.366272352	8.991000292	3.909063072
7.164102583	8.582894738	5.035045969	1.70463086	0.493262256	6.88519253	7.898676247
7.893791188	9.296527771	6.346655444	1.46479163	0.321318321	4.070519643	8.272329052
7.532448312	8.831261515	6.407228916	1.378327766	0.270003571	3.584539318	7.759635996
2.989931434	4.886675195	2.10950402	2.31650433	0.237011462	7.926986541	2.974700085
3.351195602	5.622794521	2.364123308	2.378384622	0.305661279	9.120962061	3.39268676
4.708695279	7.338037497	2.804285244	2.616722929	0.676337273	14.36358127	4.150886667
4.138439936	5.056293032	3.200894542	1.57964999	0.230964215	5.58094882	4.173262885
5.835943585	6.796764447	5.11074158	1.329897891	0.189742855	3.251279805	5.907333499
6.368179669	9.105274718	4.693052441	1.940160446	0.57471418	9.024779612	5.204720568
7.4630945	10.32214557	3.666941418	2.814919682	0.526576336	7.055737216	7.346935801
6.979135218	8.128244776	5.625907541	1.444788191	0.354394417	5.077913037	6.702841197
7.154944415	9.210542057	4.991907761	1.845094601	0.68047753	9.510591422	7.548155789
7.762359603	9.125081966	6.719904451	1.35791841	0.342538825	4.412818297	7.652611416
7.732297553	8.721141937	6.177748719	1.411702278	0.31629247	4.090536711	7.739726416
9.141154715	9.950039644	7.563808275	1.31548015	0.36065552	3.945404401	9.421872569
7.343061053	8.25817302	6.450055769	1.280325832	0.251271665	3.421892634	7.398232844
6.486913785	7.485251696	5.658274512	1.322885922	0.232881015	3.590012486	6.529124789
7.735270879	8.455134786	6.946478422	1.217182905	0.234362555	3.029791179	7.682120055
7.498828355	8.937764877	6.646425953	1.344747529	0.310732604	4.143748722	7.752244027
3.393524316	5.376068606	2.559904776	2.100104916	0.291230943	8.581961287	3.44124239
7.265548346	8.197159397	5.828771357	1.406327148	0.422491651	5.815000203	6.838951397
5.860807204	6.996946402	4.721395745	1.481965669	0.371902017	6.345576715	5.630344311
4.432934035	6.506224862	3.472856598	1.873450481	0.572621168	12.91743038	4.41036018
6.611180329	7.437978601	5.40534162	1.376042279	0.286253832	4.329844555	6.664608635
6.047376452	7.172599002	4.748625866	1.510457805	0.262932051	4.347869746	6.285027709
6.931158946	8.297086531	4.725886531	1.755667741	0.437002905	6.304903817	7.364464266
5.195705648	8.04278348	2.796410682	2.876109554	0.641027942	12.33764931	5.69672741
6.104532954	7.035838503	5.063996284	1.38938461	0.260872721	4.273426364	6.028014602
7.369524088	9.905351233	4.574801233	2.165198165	0.9039803	12.26646781	8.466827883
7.107865071	8.544491441	6.114886163	1.39732633	0.308427913	4.339248276	7.174567992
7.91317911	8.698000129	7.033500129	1.236653156	0.25093533	3.171106414	8.001325678
9.304053017	10.14638696	8.622106769	1.176787441	0.23269892	2.501048951	9.493247396
8.293390769	9.371449007	7.53240403	1.244151133	0.293577622	3.539898583	8.441421549
5.656621379	6.731009595	3.606328039	1.866444073	0.433777247	7.668486503	5.855566007
8.142062199	9.52315188	6.423722624	1.482497367	0.543306102	6.672831638	7.683047261
6.699013463	8.05023911	5.343954278	1.506419908	0.339422119	5.066747825	6.794323124
8.436343922	9.840409342	5.624839582	1.749455998	0.487290097	5.776081458	8.416389371
5.634027144	7.422440304	4.142296002	1.791866226	0.289027487	5.130033632	5.743811689
4.139270321	6.309784555	2.638214599	2.391687377	0.262554067	6.34300364	4.119903815
8.026827198	9.375176616	6.682931681	1.402853877	0.448204464	5.583830977	7.790593995
10.25269928	12.22127758	8.579003858	1.424556718	0.464735022	4.532806527	10.43547472
3.846615572	6.533315189	2.463668264	2.651864817	0.360965474	9.383975802	3.746574064

5.525094995	8.291804016	2.360450334	3.512805967	0.616746313	11.16263727	5.42282508
4.519362142	9.725730263	3.343295568	2.909024962	0.447871943	9.91006981	4.447836494
4.672617585	5.921987645	2.681265513	2.208653942	0.272502364	5.831899545	4.965456457
6.738155337	8.510664478	5.955464478	1.429051338	0.330577167	4.906048465	7.286135542
7.320202371	8.032067521	6.31157096	1.27259403	0.250847907	3.426789237	7.412996545
4.853305507	8.200862537	3.034607484	2.702445894	0.559480791	11.52782964	5.895799609
7.062779569	8.586088022	5.113897028	1.678971629	0.506210943	7.167304856	6.866103735
8.803173478	11.58346443	6.880511526	1.683517917	0.884263242	10.04482355	8.910084192
6.206696563	8.161804999	4.414053041	1.849050005	0.397301414	6.40117348	6.661389337
6.023946178	8.002898011	4.907545064	1.630733474	0.482251899	8.005581131	6.631620547
9.452191686	10.30794125	7.920741248	1.301385934	0.352880798	3.733322487	9.362767616
5.323618176	7.032871315	4.523394233	1.554777442	0.399498181	7.504260596	6.298612201
5.772687159	7.260395584	3.896433995	1.863343661	0.589597576	10.21357228	5.434485714
7.506060743	9.586418443	5.775818443	1.659750655	0.534421923	7.119872073	7.262887907
6.719018967	8.998764886	5.702564886	1.578020604	0.535502002	7.969943297	6.431974061
5.709395761	6.917401791	4.522178064	1.529661524	0.297082431	5.20339531	5.791191022
4.599441327	7.231305638	3.692191651	1.958540163	0.388873432	8.454797095	5.37011417
7.225658997	9.373999429	3.160283015	2.966189859	0.706867353	9.782738897	7.252200586
4.987656655	7.220572276	3.779609667	1.910401579	0.264615038	5.305398042	4.976029299
5.305958467	6.688758171	3.333638638	2.006443678	0.381872436	7.197049106	5.309963195
4.68577967	7.802031062	3.023474746	2.580484944	0.499823081	10.66680715	4.64055241
8.02002551	8.848717741	6.354034584	1.392614035	0.33465865	4.172787849	7.694318994
5.628295818	6.302779846	4.754578359	1.325623298	0.256895635	4.564359143	6.012966828
4.082038167	9.228696406	2.971427778	3.10581212	0.444898312	10.89892581	4.627303773
7.740745637	10.00587669	6.478913059	1.544375823	0.496536554	6.414583009	7.698356176
4.889408018	8.508100187	3.315357552	2.566269265	0.679347553	13.89427004	5.651449532
4.738188282	7.256821755	1.367311338	5.307366036	0.790177348	16.67678237	3.862589094
7.389975231	8.605940132	5.302693965	1.622937358	0.377691112	5.110857611	6.741936764
7.773160281	9.444740333	6.595771388	1.431938704	0.292690239	3.765395643	7.304922774
6.955789493	7.457897152	6.199356021	1.203011591	0.163463855	2.350040283	7.211257086
4.414769235	5.829158224	3.037955614	1.918776626	0.286173134	6.482176497	4.561669665
7.565347291	8.667970746	6.585874859	1.31614568	0.260932144	3.449043832	7.660380588
7.317998019	10.32011157	4.926846249	2.094668891	0.400024408	5.466309319	7.011575608
4.911833796	6.641157867	3.605587111	1.841907479	0.315779766	6.428958697	5.406595598
8.122409362	8.831368458	6.293792042	1.403187204	0.288141505	3.547488094	8.104099653
6.901728515	7.705486668	5.725301589	1.345865637	0.251020909	3.637073068	7.072705324
7.711857632	8.987539987	6.977228839	1.288124583	0.205510042	2.664857827	7.549198178
8.188474864	9.48529251	6.919791651	1.370748281	0.354861738	4.333673173	8.037500596
6.540715488	7.548968492	5.311268492	1.421311783	0.33705552	5.15319036	6.845428859
8.908109452	9.744455163	7.680349908	1.26875146	0.30029979	3.3710833	9.169315018
4.67514147	7.577319007	3.933045935	1.926577806	0.426489445	9.122492816	4.835305292
6.144201274	7.021242915	4.925093485	1.425606019	0.277265343	4.512634446	6.061283617
9.133016322	11.18319676	6.738525992	1.659590952	0.79185503	8.670246525	8.943219552
5.665724162	9.962387334	3.663098248	2.719661516	0.634681877	11.20213161	5.191108663
6.194956994	6.97768366	4.738502771	1.472550296	0.256641612	4.142750496	5.95579511
5.960110434	6.676581405	4.837099164	1.380286237	0.226670491	3.803125692	5.885419844
3.741986834	4.893886446	1.802448214	2.7151329	0.247172075	6.605369993	3.90888167

3.741026319	6.570217012	-1.257936178	-5.223012999	0.470736377	12.58308113	3.61810319
5.278174052	5.869958276	4.440112761	1.3220291	0.195054499	3.695491982	5.130336167
5.328846959	6.247747099	3.299054082	1.893799539	0.289262795	5.428243614	5.223361523
5.60657885	6.274147665	4.383605851	1.431275502	0.210411414	3.752937748	5.593632856
8.917278479	10.33345444	7.88703305	1.310182723	0.293312337	3.289258462	8.736330007
5.834321572	7.19849987	4.868579404	1.478562692	0.352777483	6.046589621	4.883643831
7.2782449	8.232452201	6.144052788	1.339905838	0.327353474	4.497697979	7.358043287
6.014393995	6.917027341	4.693460159	1.473758615	0.352229368	5.856439864	6.054902568
6.618280916	7.61096433	4.776458048	1.593432676	0.25379202	3.834712114	6.41474394
7.308963334	8.920541376	6.231610867	1.431498463	0.395425125	5.410139672	6.832727412
6.681604716	8.147426605	4.518687269	1.803051665	0.35927695	5.377105735	6.486374173
4.468016013	5.521406548	2.911365844	1.896500421	0.233788052	5.232480176	4.638715915
6.679613436	8.088703437	5.87070656	1.377807484	0.284655619	4.261558271	6.243720708
6.777348446	8.069338488	5.025853532	1.605565788	0.436972556	6.447544492	6.178315397
5.867997468	7.346092346	3.867059037	1.899658701	0.474965827	8.094172318	5.242709056
6.676007206	7.920780711	5.717354319	1.38539266	0.291474902	4.366006402	6.206130775
5.184073118	6.536133981	3.454815589	1.891890844	0.267288759	5.155960445	5.061643912
6.156198398	7.681262649	5.370384023	1.430300443	0.350231655	5.689089804	5.943372945
5.999713282	6.931921745	4.901562059	1.414227069	0.271447841	4.524346885	5.540021063
5.30134505	7.470664229	3.576264229	2.088957569	0.456736106	8.615475924	5.049548284
3.748886122	6.249161082	-0.442905455	-14.10946967	0.513399437	13.69471944	3.927465017
4.872557851	7.577735175	3.936048347	1.925213947	0.47449131	9.738033372	4.383531379
6.317403694	7.548990683	5.271000308	1.432174206	0.266255786	4.214639419	6.245385956
5.904687122	7.640889716	4.361117273	1.752048669	0.29843457	5.054197855	5.81344493
5.47299487	7.114885544	4.703332924	1.512732707	0.254016364	4.641268072	5.080860259
6.811320127	7.904339147	5.785571371	1.366215822	0.311980918	4.580329691	6.420243042
5.437465912	6.714547922	4.237064273	1.584717033	0.36355391	6.68609083	4.909083481
6.304267268	7.335472925	5.365512053	1.367152446	0.245909786	3.900687831	6.186870289
7.827012003	8.633185956	6.759069692	1.277274292	0.308924692	3.946904537	8.012266498
6.474322346	7.094150844	5.245312746	1.35247433	0.234942791	3.62883987	6.57924179
7.385359493	8.513741337	6.479133838	1.314024614	0.3275864	4.435618875	6.894797494
5.679705973	7.501081733	4.881247788	1.536713984	0.283101093	4.984432198	5.65882153
8.420820385	9.99759868	7.403429911	1.350400936	0.271620662	3.225584324	8.04783778
5.377596026	7.626517871	3.765294888	2.025476914	0.477527863	8.879950459	4.600663555
5.31207248	5.973671053	4.52894121	1.31899947	0.210378712	3.960388577	5.165683243
5.542762459	7.225793735	4.738644029	1.524865276	0.311105441	5.612822911	5.45940029
7.134006031	8.359305928	6.129309623	1.363825038	0.271667299	3.808060963	7.085263316
6.509369927	8.516346305	5.163512736	1.649331907	0.327220289	5.026911854	6.345440431
6.263263992	7.742274978	5.297263721	1.461561173	0.317825279	5.074435309	5.990989344
7.274401412	8.137729924	6.363479911	1.278817571	0.299600054	4.118552681	6.87005887
5.631859278	6.694730199	4.740605649	1.412209894	0.234151836	4.157629374	5.60675368
6.435135099	7.766584689	5.326150976	1.458198373	0.318058572	4.942531389	6.424763567
6.110846364	7.182821208	5.086405671	1.412160506	0.244494079	4.00098553	5.855851208
5.745389192	7.009192328	1.16197628	6.032130302	0.394166225	6.860566123	5.898634407
6.525537643	8.046752711	1.773059778	4.538342592	0.564578681	8.651833939	5.064158208
7.017933598	7.979814532	6.276427774	1.271394306	0.236338141	3.367631472	7.098819136
8.196127174	10.01098202	6.591603083	1.5187477	0.471641739	5.75444632	8.022636451

4.557635717	6.016575394	3.177178384	1.893685109	0.262858407	5.767429073	4.237392342
6.916908794	9.061431248	5.717275482	1.584921223	0.346838382	5.014355296	6.750876781
4.820136092	6.493621796	2.985575342	2.174998468	0.309577359	6.422585454	4.791147368
5.977103756	7.424144131	5.369418498	1.38267191	0.241530407	4.040927123	5.900738266
6.467140153	7.526000529	5.762150997	1.306109564	0.228555612	3.534106368	6.590787384
5.942170567	6.827933995	5.097633697	1.339432058	0.23397499	3.937534061	5.762428969
6.067400964	7.802518101	2.697795157	2.892183301	0.733293518	12.08579295	4.700376976
7.386057833	9.224877717	6.234092003	1.479746804	0.35579475	4.817112965	7.447282392
6.567033067	9.164073045	4.527023045	2.024304483	0.761532163	11.59628945	5.897487117
8.583622901	10.87298741	4.656290051	2.335118151	0.928018046	10.81149599	9.671840436
7.506159579	8.462585725	6.557158391	1.290587358	0.240605803	3.20544481	7.506166298
8.20355891	10.10118953	5.970083094	1.691967997	0.584867543	7.129436741	7.138409086
6.897253123	9.849919087	4.889891109	2.014343238	0.738907876	10.71307465	8.336574786
6.708163123	8.000877491	5.435951265	1.471844963	0.314332595	4.685822179	6.695202106
6.8002232	7.795149081	6.155875565	1.266294128	0.191229365	2.812104237	6.587843767
9.652056605	11.76507125	8.002257537	1.470219022	0.477564551	4.947800973	10.26991225
8.496031622	10.49988044	6.144780445	1.708747862	0.571848633	6.730773357	6.93952029
4.942365667	8.084044144	3.807636138	2.12311362	0.5716679	11.56668565	5.941767458
8.203276597	10.06355012	5.427077437	1.85432219	0.799603711	9.747369864	7.225197936
7.151195921	10.79808273	4.094917901	2.636947306	0.97701107	13.66220532	7.783378366
4.419340961	8.314155081	-0.868236493	-9.575910649	0.768234752	17.38346868	5.535808579
6.937029503	7.806109336	6.144960953	1.270326922	0.261532447	3.770092759	6.883585879
7.370008395	8.218037093	6.567803436	1.251261122	0.258375137	3.50576449	7.454331183
8.330475503	9.783015619	6.278965619	1.558061664	0.4457598	5.35095265	7.942031445
9.314178813	10.91543665	7.711115373	1.415545758	0.487337368	5.232209702	9.460508999
7.133741243	7.825730864	6.128821577	1.276873664	0.261490518	3.665545316	6.915763451
5.863540368	9.060707325	3.765041944	2.40653556	0.933328331	15.91748794	4.771402966
8.251596193	9.482560266	6.795648692	1.395387062	0.359677893	4.358888685	8.388698275
5.410387328	8.004122433	3.94920293	2.026769091	0.550463567	10.17419887	5.662940825
9.938835295	10.95397622	8.609876217	1.272257108	0.273793228	2.754781825	9.352256305
6.510660708	7.508507796	5.231470644	1.435257561	0.36475717	5.60246012	5.195921697
7.112996721	8.248747794	6.245541011	1.320741915	0.285590688	4.015054406	6.984615902
8.207547035	9.239524996	6.843963441	1.350025475	0.279374075	3.403868093	8.097812908
6.854371433	7.945070977	4.871446686	1.630946922	0.436665947	6.370619851	6.807536301
6.834865689	9.523419347	4.144319347	2.297945344	0.774631066	11.33352287	7.508063941
6.829225646	9.663044532	3.996946799	2.417606493	0.829275218	12.14303438	7.205205366
7.505650715	8.731362998	6.237469131	1.399824643	0.305499962	4.07026617	7.728949961
5.60280853	6.510359244	4.289713382	1.517667654	0.291256387	5.198399794	5.618833304
5.587111336	8.64578267	1.851340913	4.670011131	0.422198389	7.556648937	5.502759574
8.557495991	9.335179631	7.43411435	1.255721824	0.281497079	3.289479525	8.827980475
4.335650172	9.442777587	-1.365884936	-6.913303852	0.753222612	17.37277184	7.293189958
7.056802784	10.47760648	5.693516157	1.840269912	0.338636	4.798717074	6.927558155
6.996773373	9.100570955	2.860796475	3.18113191	0.917272459	13.10993525	6.647216775
6.84831386	8.399069908	4.973819908	1.688655815	0.478043573	6.980456539	6.479579659
6.681971538	7.45660319	5.860651366	1.272316458	0.2112689	3.161774918	6.613790236
3.233436513	4.803829814	2.240444776	2.144141139	0.250231047	7.738857587	3.283068392
5.331567168	8.628338208	3.423878712	2.520047856	0.783437713	14.69432323	5.138388012

6.815529448	7.671707071	5.112816612	1.500485477	0.287287148	4.215184605	6.665629277
6.064041597	7.144346227	4.989857073	1.43177372	0.235344499	3.88098424	6.075302494
7.909200333	9.715055729	6.091357739	1.594891672	0.541526495	6.846791995	7.772923727
5.848519515	6.627235075	5.12964212	1.291948818	0.218606197	3.737804019	5.739464716
5.163178793	7.229265117	2.560266261	2.823638005	0.494616499	9.579689542	4.832988081
7.580057819	8.775694306	6.202105043	1.414954156	0.351768241	4.64070657	7.471419555
9.724097667	10.57149149	8.278721293	1.276947383	0.283382459	2.914228839	9.756811934
6.125397385	7.604410399	4.594226717	1.655210086	0.31156631	5.086466894	6.139241308
4.936307825	7.828254541	3.466039752	2.258558788	0.477839474	9.680098793	6.132740798
7.021954149	9.63956552	5.61748624	1.715992725	0.34467422	4.908522799	7.126534761
3.593057611	10.94294999	2.702000643	4.049943517	0.661108926	18.39961941	3.775718047
5.360604053	7.81660947	3.963677711	1.972059799	0.486581681	9.076993492	6.543145787
6.979117323	7.635773573	5.245606305	1.455651288	0.251676337	3.606134202	6.818294751
9.916588303	10.61599211	8.992316113	1.180562602	0.214838126	2.166452009	9.867611373
5.360954964	9.756824359	2.518984743	3.873316179	1.220528784	22.76700311	5.934190027
6.661387292	7.666140591	5.347840591	1.433502076	0.275498236	4.135748665	6.540299366
8.324424357	9.207812342	7.304912342	1.260495939	0.281086608	3.37664919	8.260093589
6.675275399	8.318615185	4.786973807	1.737760748	0.491669603	7.365532853	6.437351345
5.754387188	7.089812364	4.112999772	1.723757052	0.266513708	4.631487234	5.604608869
7.154088341	8.818308615	6.117246758	1.441548619	0.272569399	3.809980897	7.038701064
7.07547666	8.103760408	6.061618437	1.336897149	0.302805194	4.279643739	6.488499976
5.086554793	7.490120592	2.998306326	2.498117196	0.47800014	9.397326081	5.465501461
4.764373837	8.622671414	2.651183763	3.252385419	0.724968356	15.21644565	4.730894638
4.755291403	6.504529718	1.92714376	3.375217694	0.396902185	8.346537601	4.587077062
5.84580759	6.801848017	4.846068024	1.403580797	0.208400131	3.564950233	5.75338506
5.999192283	8.548517906	4.456139424	1.918368591	0.600081692	10.00270809	7.324039638
6.428965955	7.807970583	4.725264522	1.65238804	0.396743516	6.171187076	6.420243614
5.699436361	7.677102449	3.401290684	2.257114479	0.540189032	9.47793778	4.766055392
6.854056921	7.849543797	6.055432838	1.296281209	0.249137113	3.634885382	6.710555748
7.009610816	8.014843297	4.656911294	1.721064197	0.368714871	5.260133275	6.514188828
5.36035826	7.98259231	4.587124044	1.740217233	0.326263106	6.086591422	5.29483398
5.098564002	6.279845686	4.412971365	1.423042473	0.228562023	4.48287053	5.114471941
5.48426364	7.092156279	4.078275535	1.739008612	0.323992256	5.907671063	5.524681839
5.813824186	8.08870011	4.428205533	1.826631589	0.357198075	6.143943528	5.732525894
7.658098724	8.980824044	6.735916084	1.333274336	0.280560218	3.663575356	7.889334027
5.703169488	9.118643365	4.408422794	2.068459354	0.543961929	9.537888181	5.543665797
6.328740757	7.65859084	5.558047982	1.377928162	0.267841173	4.232140066	6.49652684
8.170638705	9.973630328	5.42241878	1.839332359	0.749110193	9.168318657	8.232768037
5.264411796	6.599605194	4.108017796	1.606518161	0.318246522	6.045243686	5.566485332
7.537619305	8.513778368	6.274990756	1.356779428	0.31194642	4.138527126	7.341323089
6.71593083	7.464655221	5.804847771	1.285934708	0.240158341	3.575950185	6.978004433
5.448093405	6.517760367	3.855073795	1.690696654	0.309765905	5.685767157	5.488891066
4.377644705	5.337269223	3.23542803	1.649633116	0.238632942	5.451171999	4.419641443
7.318607346	8.15689652	6.437383023	1.267113746	0.257616609	3.520022275	7.287179925
7.547405779	8.868954805	6.511150567	1.36211791	0.330177009	4.374708595	7.303867233
6.272682403	7.13536481	5.709147958	1.249812557	0.20440165	3.258600339	6.253186336
6.736523862	7.98285732	5.666409346	1.4088035	0.407987463	6.056350001	5.90824589

7.063544634	7.899096316	6.143471547	1.285770799	0.281769845	3.989071485	6.779761077
7.599834036	8.478194912	6.101843109	1.389448198	0.249421917	3.281938999	7.346319312
7.651520783	8.813855389	6.578258939	1.339846222	0.30426821	3.976571703	7.534930108
6.744717526	7.639709845	5.967018579	1.280322785	0.262841531	3.896998349	6.547490297
5.712550734	6.971628132	4.713813465	1.478978365	0.237678309	4.160633659	5.887552763
7.364820282	8.392810414	6.34813964	1.32208976	0.268350025	3.643673778	7.776817838
6.315212265	7.360194987	4.967702988	1.481609308	0.297216295	4.70635479	6.228539587
6.413070278	7.85673063	5.080324708	1.546501667	0.301862536	4.706989363	6.443090654
4.368057594	6.394995763	2.174350639	2.941106025	0.32979047	7.550048578	4.436880941
5.159224005	9.451835871	3.334008407	2.834976616	1.578669042	30.59896294	5.259833313
4.306322881	8.893556147	1.925050475	4.619908029	1.60397999	37.24709071	4.298733159
7.002834408	7.758591439	6.130679827	1.265535252	0.261600506	3.735637464	6.826056391
4.677974357	7.136555827	0.452328455	15.77737538	0.394335587	8.429622672	4.583604907
6.825032677	7.625683785	5.850008744	1.303533741	0.299304337	4.385390538	6.537927353
7.177520224	8.244461181	6.063826929	1.359613537	0.348394424	4.853966448	7.499955191
6.204677174	6.941841364	5.202211119	1.334402085	0.254517923	4.102033294	6.174951027
7.318608756	8.461436689	5.894397997	1.435504812	0.413859015	5.654886452	6.013780721
5.828133532	7.648574648	3.718582217	2.05685237	0.374849856	6.431730748	5.750636764
6.228506953	7.060300874	5.267924359	1.340243404	0.270563058	4.34394727	6.220559436
6.590787167	7.741313235	5.895908898	1.312997431	0.239082913	3.627531993	6.641179033
6.122022284	7.128206248	5.187310515	1.374162242	0.231162828	3.775922685	5.969297854
5.112204169	7.111847	3.409188309	2.086082186	0.445185771	8.708294032	6.018999341
4.739724148	7.197447468	2.406892064	2.99034908	0.390294601	8.234542533	5.892155747
7.131942443	8.43006503	4.22421503	1.99565244	0.614942075	8.622364524	6.245064121
8.116444067	10.31415314	6.074698614	1.69788722	0.546014134	6.727258021	7.885948022
6.320315079	8.022302706	4.487568727	1.787672389	0.50658258	8.015147559	6.547490366
4.479259629	5.666584722	2.193543982	2.583301164	0.350112231	7.81629689	4.657237648
4.118487191	4.712326495	3.226771055	1.460384519	0.180702208	4.387586985	4.431199347
8.766511143	11.73502461	7.064124612	1.66121427	0.68040944	7.761462104	8.026152683
4.738966173	7.075434427	3.49902709	2.022114789	0.405154307	8.549423904	4.407800783
3.85669529	5.016919297	2.295259773	2.18577407	0.320166116	8.301566284	3.979355398
5.999362594	7.720103485	4.504276725	1.713949643	0.533642307	8.894983401	5.813717656
7.06037313	9.194108284	5.60017875	1.641752647	0.607804641	8.608675918	6.360888512
4.971552049	7.922640227	2.656874429	2.981940035	0.466939423	9.392226378	5.158972484
3.826031228	5.425788957	2.321263997	2.337428644	0.302278654	7.900579906	3.880472434
7.182787111	8.554267751	3.901167751	2.192745428	0.454988237	6.33442465	5.645586288
6.000836862	7.305067863	5.283774252	1.382547307	0.276386773	4.60580381	5.992588405
4.508216926	5.980143241	3.538579049	1.689984358	0.355231432	7.879643725	4.368778102
5.808994795	6.986701536	4.846348526	1.441642403	0.28937874	4.981563082	5.477618352
9.78060611	11.57379346	7.316803775	1.581810011	0.664619626	6.795280559	9.519871761
7.277332046	8.235679077	6.503574643	1.266331138	0.243031283	3.339565678	7.111437834
7.228360807	11.65951855	4.064613041	2.868543311	1.091629385	15.10203231	8.924178386
8.727646714	10.60543145	7.363073032	1.440353966	0.479323564	5.492013827	9.340059814
6.379397919	7.367889525	5.386120339	1.367940013	0.267627373	4.19518231	6.248902056
5.807727538	6.605835493	3.649584136	1.810024169	0.332943615	5.732769195	6.087333505
6.530621386	8.350510363	4.865844008	1.716148391	0.579311372	8.870692967	7.581217273
7.070109389	8.040013959	6.032760124	1.332725617	0.261825344	3.703271477	7.015078541

5.489110169	7.881847795	3.041436073	2.591488891	0.580319332	10.5721932	5.200237871
4.375835455	6.192035557	3.251474171	1.904377901	0.361913443	8.270727889	4.310891345
5.380292639	8.30890401	1.132439657	7.337171533	1.089189544	20.24405766	4.712182608
6.066211093	7.655383234	4.843927855	1.580408186	0.28703763	4.731744827	6.122182191
6.632996917	7.667146789	5.486839928	1.397370233	0.229918416	3.466282566	6.66566162
4.423980938	8.143891391	2.2679099	3.590923691	0.393888477	8.903484958	4.37703474
5.608673751	6.350905786	4.004206046	1.586058688	0.244696469	4.362822293	5.874892934
4.358593076	5.266633337	3.74829934	1.40507277	0.241027794	5.529944868	4.434452066
4.796822018	6.294490276	-0.993498871	-6.335679344	0.498270976	10.3875227	5.696887972
6.253741282	7.203565	5.375037823	1.340188709	0.235361426	3.763529951	6.232198015
8.173536638	9.164395129	7.469191753	1.226959413	0.225067653	2.753614051	8.244945233
5.473709613	8.179540626	1.433051074	5.707780257	0.430260906	7.860499307	5.479963738
6.559863661	7.786532353	5.40391862	1.440904814	0.317114038	4.83415592	6.675775869
7.997122876	9.289374826	6.068310338	1.530800883	0.354848802	4.43720582	8.12029838
6.887360268	7.561081492	5.826841279	1.297629561	0.280276372	4.069430968	7.417317486
6.214565919	6.841740729	5.348262233	1.279245563	0.20592396	3.313569488	6.333832621
6.448999642	7.265590397	5.433172805	1.337264736	0.256858074	3.982913452	6.574925998
7.146184591	7.788498533	6.548573734	1.189342726	0.177632877	2.485702336	7.176139814
7.067159465	7.947672971	6.067790027	1.309813447	0.300900349	4.257726893	6.731825612
5.034522044	6.553215866	3.335954171	1.964420232	0.304504131	6.04832253	5.237905909
8.602135536	10.17608262	6.715182618	1.515384346	0.585633674	6.808003332	8.556915913
6.180303537	7.451743787	4.481091652	1.662930457	0.422419397	6.834929611	6.650578223
6.238576937	7.275888559	5.387016439	1.350634185	0.253724596	4.067026801	6.156111599
5.560446513	6.478408909	4.929088897	1.314321783	0.244799357	4.402512571	5.518661783
8.072317271	8.693357292	7.238362135	1.201011656	0.231403253	2.866627327	7.908924871
4.333290715	5.290177293	3.613982088	1.463808387	0.21969063	5.069833622	4.294468769
6.22234882	9.240932908	4.01481064	2.301710775	0.787691373	12.65906807	5.331901614
4.435454229	6.888733794	3.531363152	1.950729364	0.499847213	11.26935792	3.949070126
7.267161874	8.528348868	6.116186338	1.394389967	0.322292037	4.43490929	7.046250076
5.83968035	7.005039688	4.360307399	1.60654721	0.304923167	5.22157291	5.996127851
5.462642575	8.200759977	3.858462341	2.125395884	0.717247856	13.13005282	6.399854157
6.674751406	7.730538257	5.49267091	1.407427895	0.287960981	4.314182855	6.557124174
6.352698977	7.319200356	5.436920221	1.346203376	0.266906704	4.20146941	6.7015932
7.022775466	8.513114288	6.164583792	1.380971461	0.34666366	4.936277136	6.569271771
5.280480328	6.701383737	4.426254529	1.514007767	0.248282547	4.70189323	5.924010098
5.300245884	9.169432733	3.896393172	2.353313008	0.779033354	14.69806063	5.602427777
5.736354443	7.618893909	4.215965066	1.807152998	0.386064866	6.730143159	6.185016605
8.272806099	9.924089512	5.944739512	1.669390138	0.642891176	7.771137965	7.167644447
3.846376526	5.376646374	2.493839261	2.155971501	0.362453089	9.423234747	4.077948026
6.066814007	7.127570474	5.118062564	1.392630587	0.265107899	4.36980429	5.960260236
7.949835429	8.890728035	4.721899041	1.882871268	0.415935755	5.2320046	6.83737998
6.190564372	6.963090394	5.251157061	1.326010689	0.300873191	4.860190007	6.495363968
4.195457832	6.955060633	-0.552861238	-12.58011986	0.512012824	12.20397974	4.380146386
6.185980617	6.75406453	5.384371744	1.254383028	0.194868668	3.150166163	6.04412351
4.259186989	6.835424936	2.963964608	2.306176301	0.425858261	9.998580987	4.382322079
6.562882514	7.38867395	5.628175084	1.312801013	0.265157711	4.040262962	6.66903692
5.712579934	7.408918172	4.484772609	1.652016461	0.35724423	6.253640815	5.869994073

7.059984488	8.072070278	5.612341418	1.438271423	0.396359815	5.61417402	6.418192197
6.055305492	8.11682574	4.448801981	1.824496971	0.422882179	6.98366382	5.843873808
6.101041112	8.997804759	4.20667205	2.138936587	0.704575822	11.54845229	6.748986883
7.495515898	8.915901046	6.256362635	1.425093392	0.261972135	3.495051426	7.499309027
6.089912801	7.023422823	5.511225512	1.274384945	0.203674963	3.344464355	6.26561191
3.633199786	4.661346797	-0.368258988	-12.65779505	0.374360271	10.30387242	3.766110847
5.257093392	6.255232804	4.257102929	1.469363769	0.257941646	4.906544864	5.542496711
5.425924365	7.783504649	3.84883894	2.022299392	0.442238498	8.15047295	5.908467917
5.300373616	7.422037815	3.586537815	2.069415742	0.442450716	8.347538271	5.013440568
6.404426645	8.18198251	5.881648106	1.391103711	0.214413272	3.347891763	6.56211939
6.098614819	7.040417968	5.201867249	1.35344053	0.250814414	4.112645607	5.966149181
7.980639431	9.484291862	5.859644611	1.618578001	0.371243245	4.651798247	8.188075038
3.745211137	5.005666126	2.758969957	1.81432426	0.253687329	6.773645595	3.665438656
5.259605866	7.552775227	4.110741483	1.837326735	0.502162455	9.54753014	5.301563297
5.545308843	6.907638556	4.825883837	1.431372737	0.270477411	4.877589661	5.773828639
7.33725558	9.138457972	6.146057972	1.486881187	0.459762447	6.266136456	7.072866899
4.949537952	6.841677692	2.165026017	3.160090289	0.487323283	9.845833849	4.73322899
4.03532926	6.433525087	3.450023866	1.864776981	0.254929901	6.317449827	3.841482101
5.894891438	10.70118724	4.168487242	2.567163247	0.901259935	15.28883008	6.525409261
7.510605084	8.861627348	6.426375176	1.378946468	0.354596834	4.72128184	7.757965504
7.868206902	8.997952658	6.596482545	1.364053129	0.294750191	3.746091006	8.211523796
6.058449817	8.236608918	3.936009841	2.092629147	0.586919144	9.687612534	5.676873796
5.76760175	7.22578386	4.07766394	1.772040062	0.436249159	7.56378782	5.484425584
4.447132496	5.704594564	3.531204313	1.615481308	0.280533077	6.308178978	4.473462375
6.396229469	7.177820342	5.482417492	1.30924366	0.235274722	3.678334602	6.483201229
6.501991439	7.303219394	5.409191245	1.35014997	0.285635161	4.393041178	6.898565104
4.702306526	6.426077024	3.927472959	1.636186192	0.279352196	5.940748321	4.711205648
6.795889568	8.710196151	4.96224222	1.755294434	0.632609167	9.308702871	7.334970532
7.299454292	8.281832916	6.288750213	1.316928266	0.249652242	3.420149404	7.233335306
5.144070641	6.01241637	4.074313251	1.475688294	0.275967236	5.364763726	5.18749332
4.019429749	6.205170747	2.932727179	2.115836342	0.293923586	7.312569316	4.524753815
6.595249802	7.509026814	5.516118695	1.361288114	0.293003881	4.442650231	6.640347741
8.371051138	10.24948068	4.973880682	2.060660747	0.82784053	9.889325922	8.404578075
7.824841776	8.524061028	7.220309469	1.180567269	0.218424904	2.791429022	7.412208267
4.707631699	5.827641028	3.714176171	1.569026551	0.304422377	6.466571649	4.411084631
6.276966734	7.551537987	5.15123896	1.465965382	0.28982138	4.617220271	6.202068321
9.266450736	10.36702326	8.216273256	1.261767097	0.354612674	3.826844644	9.021338902
5.454249905	6.789914213	4.310455089	1.575219802	0.317857393	5.827701303	5.650001498
4.399211665	6.079310352	3.430675989	1.772044452	0.45613225	10.36849973	5.041433131
7.276089055	8.130084661	6.547401796	1.241726858	0.251374963	3.454808778	7.595646046
6.903024382	7.653397859	6.031262618	1.268954503	0.248882938	3.605418789	7.023385315
6.465184551	7.181673852	5.588823852	1.285006299	0.224885924	3.478414607	6.539676689
5.931701972	7.491171632	4.917231139	1.523453224	0.270983443	4.568392755	6.425139617
6.581608375	7.22619636	5.509977243	1.31147481	0.226839875	3.44657206	6.688334146
6.72358368	9.333294489	3.373292741	2.766820198	0.946106776	14.07146577	6.762832498
5.934704938	7.203289657	4.75630381	1.51447215	0.414251215	6.980148452	6.125265401
7.825917998	8.711365199	6.027925767	1.445167962	0.328076094	4.192173931	7.94303837

5.863284076	6.614689971	4.867845828	1.358853629	0.254218166	4.335764091	5.652183662
4.124313089	6.359916776	2.356704104	2.698648831	0.443208953	10.74624897	4.496663987
4.345786499	6.846822013	2.549244997	2.685823458	0.396405072	9.12159564	4.965752815
6.907507222	8.054479999	5.798090541	1.389160784	0.249707136	3.615010853	6.788571438
7.033529165	7.829120785	6.430328677	1.217530422	0.229370818	3.26110567	6.835470809
5.537662887	7.598004106	2.512662736	3.023885377	0.487709998	8.807144966	5.500482617
6.758622317	8.4577885	5.462276923	1.548399801	0.290709583	4.301314219	7.213249511
5.9041364	7.65437278	4.68177875	1.634928344	0.333500707	5.648594212	6.304355391
10.23208705	13.15146081	7.690991985	1.709982384	0.622344551	6.08228358	8.138430698
5.331524176	7.068230751	3.097802324	2.28169199	0.437317097	8.202477989	5.881245414
8.165906996	9.083529438	7.120809572	1.275631562	0.292686199	3.58424605	8.033611388
3.685390922	5.410154041	2.624358719	2.061514686	0.299679542	8.131553691	3.900079138
4.803615691	5.982185579	4.026118179	1.485844506	0.276598689	5.758135262	4.846368837
6.272953718	6.934097004	5.682731219	1.220204992	0.17887743	2.85156624	6.23929532
7.952468233	10.16617722	1.974794561	5.147966997	1.007167893	12.66484648	5.356312774
7.586141655	8.750317607	6.221050591	1.406565897	0.365055861	4.812141374	7.080538593
7.919595094	10.22781557	5.971516672	1.712766811	0.422105762	5.329890697	7.943585773
7.387309863	8.607572507	6.271953491	1.372390997	0.309597393	4.190935517	7.118228833
4.554761349	7.800133204	2.367309817	3.294935521	0.544152273	11.94688879	4.678952753
4.962532254	7.744677056	2.99211242	2.588364329	0.625573703	12.60593727	5.107008827
5.010111347	6.665813745	3.068946616	2.172020103	0.425064723	8.484137245	4.461804865
6.085196977	7.100343403	5.287154813	1.342942216	0.237600938	3.904572674	6.43514396
7.287825179	8.426368191	6.276543034	1.342517393	0.319811158	4.388293495	7.25872649
5.402939598	7.568213385	4.015325476	1.88483186	0.484085674	8.959672135	6.081944625
6.095667867	7.785672699	3.97539249	1.95846642	0.550587396	9.0324376	6.044147706
5.530012804	6.697442271	4.732915752	1.415077433	0.298031624	5.389347815	5.56163996
5.947808443	12.62729265	3.528777367	3.578376117	0.875346404	14.71712501	6.409143517
6.868299317	7.981434287	5.540732426	1.440501665	0.35136492	5.115748504	6.841630198
5.374238499	6.843045191	4.040549048	1.693592903	0.393578541	7.323429013	5.290695869
4.526422891	8.700638255	2.571312392	3.383734424	1.263538334	27.91472128	4.723124912
5.955396287	7.96025223	2.31016533	3.445750019	0.808299492	13.57255594	4.993141454
10.12624696	11.04300494	8.47074215	1.303664395	0.296546645	2.928495088	10.37514229
5.396470036	6.601569218	4.220077935	1.564324005	0.231948994	4.298161437	5.247215161
7.406932675	10.14259643	5.453150579	1.859951652	0.589550599	7.959443201	7.16740811
8.441551716	9.328363783	7.637294085	1.221422624	0.230237987	2.727436792	8.411227604
6.894872832	7.781501298	5.783088798	1.345561441	0.260464902	3.777660711	7.189476918
8.89542673	9.811784656	7.644736113	1.283469372	0.311604458	3.502973691	8.97090144
8.534931551	9.404976083	7.307513739	1.287028177	0.280927958	3.291508041	8.282040782
7.515692199	8.324915071	6.094265649	1.366024317	0.266388801	3.544434679	7.715952822
5.05571376	9.015847128	2.661792523	3.387133689	0.913447769	18.06763224	4.466046156
6.55365209	7.709168567	5.860584073	1.315426666	0.266232156	4.062348023	6.635596658
9.844616439	11.2618147	7.427955023	1.516139323	0.395917595	4.021666031	9.376178017
6.896817104	8.548773257	5.742122748	1.488782743	0.384030307	5.568225191	6.75082584
4.889664772	6.208304177	3.263032887	1.902617716	0.453698108	9.278716014	5.090378893
7.143976917	7.75283179	5.880506213	1.318395306	0.224135879	3.137410454	7.121580246
8.997442938	9.741618797	8.004468797	1.217022521	0.304133776	3.380224562	9.15215249
5.457647255	9.214035965	2.529507616	3.642620369	1.088901092	19.95184081	6.35152619

5.617001867	6.40886836	4.080963543	1.570430192	0.269718032	4.801814886	5.607649392
7.75703723	8.57907722	6.59103278	1.301628668	0.346954527	4.472771203	7.562737612
6.490697973	8.878614161	5.523014925	1.60756657	0.397354619	6.121908938	6.335064334
6.529281468	7.523483301	5.347867997	1.406819186	0.282127921	4.320964292	6.693231826
6.543112497	7.581528499	5.526423246	1.371868958	0.232412869	3.552023125	6.42278876
6.331768846	7.49930483	5.72190092	1.310631717	0.235517853	3.719621783	6.281051801
6.137044233	7.042654465	5.174148147	1.361123467	0.272088495	4.433543008	6.528340466
5.555276108	6.824770774	3.255314205	2.096501396	0.336164622	6.051267573	5.299821567
3.587491838	8.302581911	1.535848123	5.405861286	0.698063707	19.45826607	3.140807327
4.025330314	5.345026075	2.279457854	2.344867252	0.25426888	6.316720874	4.763360445
5.712129078	7.498654176	4.599561098	1.630297765	0.295132254	5.166764444	5.566678289
4.044486237	6.114850018	2.764879439	2.211615426	0.333470155	8.245055998	4.213250986
5.911939984	8.205385065	3.196106285	2.567306695	0.711090261	12.02803586	5.39562519
4.165596411	8.089405754	-4.207223721	-1.922742001	0.864847893	20.76168231	3.863957858
6.374147944	7.154634574	5.525355282	1.294873218	0.199722938	3.133327618	6.369665255
5.235620728	6.344000602	4.184263222	1.51615715	0.307168476	5.866897002	5.42832742
7.541595969	8.235314278	6.658401075	1.236830612	0.21363836	2.832800393	7.343115236
6.754283919	8.606188922	5.003230997	1.72012624	0.535600672	7.929792087	6.7908844
7.444610292	8.690384244	5.564858263	1.561654194	0.413523532	5.554669964	7.253513345
7.111000571	7.979417533	5.927267533	1.346221929	0.252603382	3.552290272	6.834186453
6.133442115	8.154667574	4.899205497	1.664487758	0.348284143	5.678445101	6.243415828
9.187559761	10.51404902	6.204894001	1.694476814	0.476121478	5.182240881	8.473623374
6.591831836	7.511502492	5.909256052	1.27114182	0.274365979	4.162211447	6.494427721
7.98927066	9.291710254	6.857967417	1.354878157	0.374017057	4.681491881	7.817393172
6.457734822	7.196996311	5.420522832	1.32773102	0.235106418	3.640694838	6.468128634
6.469183889	8.101101501	5.152552721	1.572250094	0.347911948	5.377988231	6.486306099
5.29300038	8.005405779	1.575015234	5.082748158	0.757979424	14.32041128	4.913471668
7.286889478	9.955228249	4.934705149	2.017390695	0.757159882	10.3907145	8.642803279
4.083407129	7.121141458	2.754476313	2.585297766	0.362697701	8.882232162	4.178842924
4.02503397	4.865963586	3.084954805	1.577320867	0.213417357	5.302249824	4.243973474
4.290022273	5.592974067	2.78144154	2.010818486	0.309512633	7.214709227	4.260793711
6.362676469	7.390261976	5.429611533	1.361103263	0.314697632	4.945994553	6.382192363
6.688380349	8.095676584	5.318995297	1.522031161	0.391472946	5.853030558	7.140459994
6.80316986	7.494181199	5.638967395	1.328998853	0.217700538	3.199986803	6.797655193
7.032222435	8.164355251	5.802139853	1.407128311	0.411448294	5.850899873	7.189740254
8.465280139	9.667427524	6.848862151	1.411537758	0.342046112	4.040576411	7.993648415
6.327319953	7.361959065	5.211210419	1.412715756	0.345523815	5.460824141	6.892662524
7.63785052	8.585423197	6.339599067	1.354253338	0.295651864	3.870877855	7.734434087
6.474628501	7.422839418	5.699273414	1.30241855	0.274011326	4.23207797	6.611457182
6.930096753	7.764254377	6.125912889	1.267444464	0.265845573	3.836101894	6.789455771
6.136583349	6.977500075	4.993054828	1.397441109	0.266238051	4.338538823	6.003770768
7.052044257	9.740431175	4.798534612	2.029876194	0.43990551	6.237985665	6.674396254
6.914488621	7.911798452	6.124845003	1.291754885	0.236763199	3.424160653	7.043369751
4.515738302	5.435681242	3.497634543	1.554102115	0.24201609	5.359391397	4.555423255
4.220355534	6.703404911	2.842234775	2.358497957	0.322097615	7.632001899	4.11332682
4.286545793	8.654968635	3.172938336	2.727745616	0.422233702	9.850208591	4.180536039
4.261543702	7.796943714	3.542876254	2.20073837	0.342311276	8.0325652	4.224897193

3.992720845	6.776152003	-0.229099631	-29.57731524	0.437319573	10.95292133	3.970556886
4.759818579	5.633892114	3.481007764	1.618465828	0.379276279	7.968292754	5.388680742
5.273937896	6.614521803	3.562243267	1.856841689	0.369031713	6.997270728	5.70874204
6.389417892	7.093434858	5.088120788	1.394116837	0.330045554	5.16550271	6.473875901
5.506023822	8.025941145	1.300951533	6.169285281	1.202653509	21.84250465	4.319998841
7.345469636	8.210029209	6.111183071	1.343443506	0.277391249	3.776358251	7.131283556
7.94412713	8.956543279	6.340764457	1.412533669	0.285786048	3.597450589	7.587129696
5.810136375	7.706989417	4.634366811	1.663008072	0.518294125	8.92051565	5.205058
7.090749994	8.193138916	5.964077004	1.37374801	0.291833667	4.11569534	6.981987193
8.018031039	9.072708622	6.264784316	1.448207658	0.419866412	5.236527647	7.850036827
9.477085406	10.5922169	8.161966898	1.297752984	0.310383971	3.27509944	9.38805598
5.99492405	7.234339614	4.475673503	1.616368935	0.300569744	5.01373731	5.864894096
4.554861095	6.148335106	3.263539481	1.883946906	0.354648679	7.786157944	4.971106877
4.883225839	8.42306634	3.107638392	2.710439658	0.847216082	17.34951669	5.158717671
8.936906434	10.05481908	7.531461376	1.335042242	0.358551222	4.012028377	9.333365984
8.82007361	9.812993981	7.749933233	1.26620368	0.300597925	3.408111296	8.823140714
4.605963764	8.151861156	3.536719795	2.304921404	0.382829907	8.311613525	4.505294076
7.175564728	7.90658573	5.723112779	1.381518421	0.308023181	4.292668144	7.114008752
4.151317103	5.826862165	2.729165691	2.135034229	0.334176979	8.049902493	4.212965402
4.822316012	6.37222704	2.725054924	2.33838481	0.349460782	7.246741626	4.970285719
7.593468634	8.357499266	6.602990599	1.265714246	0.302418521	3.982613682	7.184108712
4.306835747	5.528893367	-0.440507231	-12.55119776	0.431634693	10.02208391	4.349625443
8.723410025	9.660710034	6.995408187	1.381007337	0.409486796	4.694113824	8.764122839
5.890189538	7.798647719	2.987011005	2.61085336	0.592906652	10.06600294	6.057001859
6.116556016	7.057116079	5.200817901	1.356924279	0.260250361	4.254851261	6.648978638
5.060439886	6.988905304	4.184969444	1.670001513	0.447365516	8.840447193	5.591981797
5.796360497	9.29788736	3.906671294	2.380002478	0.596804544	10.29619439	5.637669442
5.822566867	8.435109494	3.826646007	2.204308807	0.69615659	11.95618025	7.358645733
7.154798063	7.915676364	6.228863278	1.270805926	0.288029983	4.025689905	6.933271278
3.825750053	5.448620362	2.456729712	2.217834683	0.312524142	8.168963923	4.032051401
5.149159981	8.688414407	2.699478318	3.218553136	0.822599106	15.97540392	5.671638558
4.464800019	8.366112553	2.363726629	3.539373991	0.563436666	12.6195275	5.546097801
7.358151184	8.14113117	6.610623894	1.231522365	0.217254878	2.952574258	7.500029042
4.379777356	10.97923906	0.912321423	12.03439794	1.298344197	29.64406844	4.154481923
5.366285877	6.872400367	4.208779886	1.632872365	0.27837019	5.187390249	5.25230288
5.825145709	6.686436335	4.256579675	1.570847217	0.283278738	4.863032653	5.78665615
7.161951499	9.641617227	5.607368177	1.719454996	0.539342918	7.530669786	6.804170575
7.473576633	8.973847252	5.399996232	1.661824725	0.489734141	6.552875085	6.780038126
4.009238814	4.858917913	3.349033577	1.450841803	0.223017048	5.562578288	4.132782105
8.534624841	10.19517855	6.718546555	1.517467873	0.488195859	5.720179486	8.216593817
4.312378563	5.866291427	2.297437534	2.55340628	0.239880215	5.562596402	4.246174191
9.355748784	12.57145423	6.950254226	1.808776171	0.906723257	9.691616118	7.487788877
4.299926379	6.489883435	2.46471496	2.633117233	0.272127842	6.328662826	4.408002819
6.591838476	7.111501653	5.636565038	1.261672952	0.185304481	2.811119871	6.509430766
6.23428861	7.307716999	4.928208011	1.482834528	0.28605151	4.588358473	6.078502794
5.902797097	6.99439438	4.687210106	1.492229753	0.329178477	5.576652419	5.49132738
9.634435222	11.45714275	6.87506952	1.66647664	0.669014814	6.943996185	7.735954168

9.003581781	11.61893801	6.642173874	1.749267369	0.751043356	8.341606426	9.263676854
5.259743579	6.17111896	3.793070917	1.626945316	0.209776521	3.988341212	5.422902843
8.117536644	8.962988501	7.143504315	1.254704709	0.242458792	2.986851827	8.454703003
5.547699021	6.526268131	4.658814942	1.400842964	0.229304416	4.133324746	5.54936588
4.132665202	6.73464944	1.973978692	3.411713342	0.403619418	9.766564633	4.821267257
6.949602642	8.615268489	5.621541831	1.532545474	0.335078609	4.821550611	6.952533751
6.967080462	7.780047974	5.864401984	1.326656664	0.275586249	3.955548535	6.822019136
8.31327123	9.125158979	7.268310044	1.255471894	0.238952955	2.874355337	8.241077919
8.748760212	9.990940044	7.665934915	1.303290486	0.29480722	3.369702826	8.636120966
6.244597645	8.297229009	3.153520335	2.631100525	0.379732085	6.080969608	6.72713313
7.812480915	8.466824462	6.754423157	1.253522953	0.210712217	2.697122969	7.876620983
9.03509544	9.973644978	8.255608151	1.208105423	0.23931518	2.648728857	8.799094947
7.637739229	8.426181616	6.762012274	1.246105638	0.232867351	3.048904188	7.524634313
8.447960858	9.943544833	7.365505117	1.350015332	0.388859363	4.602996737	8.372883598
6.284082862	6.973637141	5.592522954	1.246957268	0.229850676	3.657664631	6.273090256
7.270464424	8.005792946	6.299390814	1.270883675	0.221249183	3.043123106	7.568218253
8.268798181	9.119418263	4.675128376	1.950624139	0.408450708	4.939662321	8.254887024
6.930848125	8.26181029	6.162061717	1.340754226	0.284963942	4.111530613	6.956663506
6.010130076	6.979304044	5.342427879	1.306391813	0.230423766	3.833923106	5.801199142
6.576695324	7.264567699	5.804278477	1.251588415	0.245717569	3.736185984	7.029813753
6.485311028	8.022025929	1.255904005	6.387451507	0.424850744	6.550969448	6.45481296
4.779256174	8.15745086	1.974828396	4.130713776	0.810005259	16.94835409	5.509147942
6.103723786	7.526008251	4.859108251	1.548845562	0.321416245	5.265904168	5.890920574
4.490876591	5.863682702	0.549366724	10.67353089	0.403652348	8.988275234	4.614122739
3.981902182	6.211874933	2.975684856	2.087544627	0.306424017	7.695417987	3.774392461
8.056107205	10.04946274	5.879518306	1.709232323	0.574260997	7.12826905	8.402066191
5.07381409	7.922597948	2.354703822	3.364583636	0.543287218	10.707669	5.010520446
4.261772619	5.937777842	3.558877297	1.668441294	0.259844737	6.097104652	4.247963601
5.499377615	6.102148243	4.662887257	1.308663046	0.218990542	3.982096829	5.831531934
5.933750356	6.840604269	4.739342514	1.443365667	0.295049363	4.972392585	6.464022328
4.406629856	6.241485451	2.241523014	2.784484216	0.372812321	8.460259499	4.40343602
4.574482688	5.392215512	3.481449678	1.548842009	0.216837996	4.740164313	4.632043931
4.133259254	5.34663538	3.482590275	1.535246744	0.246620075	5.966721668	4.13033357
7.42341767	8.745830732	5.254245837	1.664526367	0.431249802	5.809316162	7.377719639
5.875351426	7.118127517	4.494651107	1.583688555	0.237597607	4.04397269	5.925645591
8.952781021	9.893712532	7.425931494	1.332319392	0.306694636	3.425691244	9.202477617
6.706955019	7.933830248	4.43498267	1.788920237	0.40477527	6.035157073	6.526793744
5.770167657	7.406767046	3.994654827	1.854169476	0.452682313	7.845219409	6.403432552
5.361921387	6.880265562	3.591563276	1.915674327	0.370361523	6.90725388	5.227410884
5.017547699	6.359822966	4.435778015	1.433755915	0.223342266	4.451223576	5.0336496
4.465106762	8.787507533	3.284033212	2.675827851	0.371871064	8.328380112	4.457477477
4.961514981	7.196331682	3.696527712	1.946781478	0.506690857	10.21242219	5.847790549
7.421885197	8.133631979	5.921298646	1.373622995	0.259935207	3.502280076	7.509961622
5.159613303	5.879353302	4.653719178	1.263366584	0.16044119	3.109558424	5.087516708
7.833804038	9.179915864	6.640180086	1.382479955	0.346533893	4.423571124	7.855265761
3.717925004	4.705791095	2.702054985	1.74156008	0.209044416	5.622609809	4.125395078
6.893040232	7.873838251	5.568604918	1.413969633	0.360388036	5.228288585	6.580352697

6.621984407	7.816455555	5.339688073	1.46384123	0.236892247	3.577360379	6.552100423
7.828074113	8.67487756	6.98007055	1.242806573	0.25608847	3.271410898	8.407811073
5.277963416	6.193259302	4.633816737	1.336535226	0.215561629	4.084181943	5.484340162
4.178495307	9.16877803	3.356464329	2.731677483	0.43362982	10.37765483	4.295600731
3.719255131	6.444658821	2.840838721	2.268576098	0.299301374	8.047347198	3.920451886
8.690780669	10.88579238	6.812995272	1.597798317	0.664601499	7.647201375	6.935979713
8.474169453	9.172271678	7.747851925	1.183847054	0.225359484	2.659369578	8.370796812
6.368793369	8.271430086	4.207297113	1.96597242	0.387065154	6.077527273	6.105641844
4.440710235	5.665761373	3.403389258	1.664740923	0.221626723	4.990794523	4.426673557
5.11544689	6.558890335	3.027985368	2.166090498	0.45625121	8.919087998	4.380963106
4.205878612	5.569411317	-0.175945547	-31.65417607	0.426359681	10.13723221	4.345157935
5.752485808	6.670118755	4.367179327	1.527328799	0.249488966	4.337063568	5.74399579
5.98573203	7.023149558	4.856140923	1.446240887	0.281143828	4.696899676	6.038233336
4.981289897	6.586926235	2.467883298	2.669059043	0.420345347	8.438483914	5.462282943
6.211373421	7.288378112	5.478931025	1.330255497	0.231241847	3.722877878	6.42841568
6.176208812	7.851782136	5.181450561	1.515363708	0.304732007	4.933965415	6.67704433
5.456723375	7.685796059	-0.914148342	-8.407602687	0.583497884	10.69319157	5.648628085
5.825780263	8.005979785	3.79745674	2.108247791	0.55961532	9.605843248	6.142497008
5.715008521	8.339174494	3.532824302	2.360483789	0.98236553	17.18922249	6.166732244
4.084263698	5.447542224	3.065078059	1.777293145	0.253315993	6.202243832	3.98648514
5.167941444	6.379565871	4.33375554	1.472064082	0.225115086	4.355991431	5.260451915
4.318907515	5.775150303	3.278795284	1.761363489	0.286467806	6.632876596	4.339831294
5.896899988	6.8611589	4.785809441	1.433646489	0.233443059	3.958742043	5.921876907
4.322328682	5.529351205	3.667623694	1.507611376	0.252957248	5.852337171	4.298919961
4.763486133	6.620931328	3.586562883	1.846037988	0.432246572	9.074164587	5.531968739
5.74047719	7.860871177	4.205069691	1.869379524	0.381101155	6.638841022	6.194771249
8.136210997	9.254514046	6.775563883	1.365866252	0.359230803	4.415210023	8.36818467
7.552955919	9.220231207	6.269246555	1.470708023	0.42626314	5.643659837	7.710949242
7.404918531	8.252354047	6.503217787	1.268964737	0.269178114	3.635125929	7.41732339
5.882924537	9.29302583	3.698070276	2.512939219	0.537128673	9.130300244	6.71930967
5.023041197	7.480662067	3.859642924	1.938174648	0.516701802	10.28663278	5.583239185
7.724678395	8.542662279	6.925002772	1.233596947	0.26230963	3.395735291	7.524039721
7.533787163	9.776999611	5.286189058	1.8495365	0.527374827	7.000129095	6.312004268
6.357311914	7.535388591	3.474110853	2.169012133	0.34615966	5.445063334	5.269127937
6.884044196	9.328884285	5.151842966	1.810785839	0.750678386	10.90461311	7.775927318
5.870387064	9.409330949	3.868400662	2.432356876	0.812270815	13.83675056	7.002598659
8.556101819	9.838657403	7.036148974	1.398301463	0.424811963	4.965017617	8.710004956
5.34957665	6.378218303	4.168426115	1.53012627	0.235754087	4.406967178	5.122012197
7.82242919	8.526418705	6.682973875	1.275841993	0.227323105	2.90604235	7.837449518
5.900465589	10.20968888	2.86575912	3.56264726	1.542995122	26.15039608	5.071465029
6.399933359	8.855306843	2.476458147	3.575795073	1.108602363	17.32209229	5.190057752
6.407719857	8.555435022	2.810397816	3.044207824	0.492687692	7.688970532	6.233736346
5.087770539	6.872668234	1.172645781	5.860822036	0.481204714	9.458066361	5.054653494
4.382427556	8.478888335	1.787564642	4.743262502	1.617885499	36.91756402	4.65338297
5.689482366	8.519271506	4.033961757	2.111887028	0.59876602	10.52408604	5.748592602
6.071554292	7.300809737	4.990197996	1.463030073	0.268787967	4.427004262	5.923610161
5.770493925	6.540360991	4.746746406	1.377861894	0.228307174	3.956458095	5.805294299

6.513666789	7.183766698	5.561493311	1.291697445	0.273105533	4.192807864	6.495829154
5.373885703	6.693056487	4.662701245	1.435446136	0.234070584	4.35570455	5.542599186
7.922800339	8.988839594	5.952706224	1.510042534	0.274648624	3.466559961	8.089766355
7.009080152	7.886402539	5.538178922	1.424006456	0.318208545	4.539947292	7.237642625
6.635371366	11.16110909	3.421271573	3.262269262	0.719941969	10.85006293	4.904407968
6.703803577	7.57662054	5.499260842	1.37775253	0.290628991	4.335285	6.677044613
7.104298805	8.406462101	6.045907123	1.390438512	0.40169308	5.65422558	7.204345569
7.686616645	9.02405916	6.380489577	1.414320806	0.396560675	5.159105668	8.117572333
8.675235943	9.688876443	6.776069779	1.429866687	0.38724913	4.463845503	8.715777671
4.885074315	7.542956321	2.730435626	2.762546844	0.410935069	8.412053577	4.989158903
4.499624166	6.125670459	3.437941793	1.781784227	0.301417151	6.698718389	4.792722303
5.442229941	6.657702859	2.459888563	2.706505879	0.445052885	8.177767007	5.239298184
7.464955858	8.990083573	4.887190707	1.839519698	0.617338585	8.269822305	6.243308956
5.768302217	6.816945571	4.748226571	1.435682453	0.207971238	3.605415082	5.963426982
6.482830694	7.65089139	5.056719592	1.513014762	0.383578371	5.916834626	6.696604317
4.632837826	5.395397307	3.97039851	1.358905735	0.188367413	4.065918568	4.713053725
6.931346569	7.867858156	3.870603995	2.032721034	0.333671667	4.813951571	7.362042052
7.093977892	8.544485872	6.038947423	1.41489655	0.325229102	4.584580141	7.062053319
8.081973373	8.955295143	6.979921254	1.283008048	0.279961233	3.464020733	8.401230678
6.540548472	8.712580361	5.389280361	1.616650049	0.330638793	5.055215081	6.718309066
4.800834029	7.302975415	3.221375415	2.267036428	0.47696545	9.935053931	5.533257843
6.36095708	7.524766591	4.791818816	1.570336208	0.287993482	4.527518088	6.403412175
5.748690649	6.981075851	2.406731351	2.900646077	0.362449475	6.304904836	6.031734444
5.825594463	6.583933936	5.053125498	1.302942889	0.232337869	3.988225936	5.631928459
6.814390566	8.023700327	5.819908557	1.378664329	0.269663118	3.957259501	7.043366608
3.548223544	4.465987047	2.77751828	1.607905546	0.205781911	5.799575726	3.489078974
4.46707348	6.988459256	0.234527785	29.79800134	0.463535063	10.37670557	4.856288281
5.499434822	6.878215244	4.422113978	1.555413379	0.336769767	6.123715949	5.362155469
6.62816731	7.490552146	5.75424035	1.301744747	0.240719029	3.631758495	6.787941521
4.521870776	5.554442938	3.957149863	1.403647355	0.18625907	4.119071041	4.490747366
5.452946255	6.236945148	4.612787431	1.352098973	0.257037495	4.713736084	5.234302558
6.091508674	7.238691743	5.281471836	1.370582286	0.26050425	4.276514467	6.033378184
4.306727394	7.073684035	2.883868162	2.452845844	0.419183048	9.733215271	4.272479605
4.367254087	5.953087193	3.238017231	1.838497688	0.238764217	5.467147367	4.432951458
4.72205746	6.177066708	3.582142201	1.724405777	0.277533446	5.877383933	5.539307413
8.070826857	9.217326911	6.971054907	1.322228419	0.27828671	3.448056997	8.080960372
6.1074524	7.410565327	4.875269408	1.520031963	0.353090055	5.781298521	6.327206598
9.265650575	10.4944838	8.234212732	1.274497532	0.31381019	3.386812259	9.390108239
11.40119895	12.66894019	9.827783624	1.289094334	0.405744496	3.55878796	11.769783
7.555401632	8.614846182	6.71115363	1.283661	0.25367944	3.357590408	7.475742877
5.084952952	8.220658016	3.367172656	2.441412679	0.542251794	10.66385076	4.808131934
5.34277944	9.347775029	3.119119864	2.996927158	1.058569627	19.81308866	5.068469402
5.518411802	6.700801471	4.679050524	1.432085727	0.250008795	4.53044833	5.133492712
5.724941618	6.680231197	5.029220512	1.328283614	0.276795033	4.834897049	5.79362865
6.233237057	8.002150898	4.126702575	1.939115008	0.595657613	9.55615209	7.169727681
4.248152013	6.106631054	2.877647386	2.122091499	0.520461604	12.25148259	4.230124549
6.297254704	6.962114364	5.32761128	1.306798488	0.237473188	3.771058962	6.658210816

7.075180267	8.484015089	5.762676775	1.472235112	0.264899282	3.744064061	7.503400099
5.189577177	6.843577357	4.074548297	1.679591665	0.417989984	8.054413107	5.082667815
5.35981091	6.493270187	4.473612427	1.451460155	0.189630153	3.538000806	5.201664605
8.157126517	9.400539025	6.97573526	1.347605474	0.334544293	4.101251741	8.730822623
4.23342327	5.999013126	-1.048139493	-5.72348735	0.486012192	11.48035905	4.738159269
6.736887222	7.967690655	5.080166581	1.568391612	0.351388648	5.215890311	6.703609559
4.980113153	7.784658258	3.447187946	2.258263367	0.663034236	13.31363798	5.046973442
7.712471472	8.353652664	6.838746564	1.221518093	0.220375319	2.857389093	7.576478418
6.054300793	7.00920501	4.964361772	1.411904557	0.253278416	4.18344619	5.941142782
3.317114536	4.387622051	2.810708848	1.561037549	0.188643862	5.686986686	3.174216503
4.633897623	7.175811291	3.438495631	2.086904293	0.396188278	8.549784879	5.512694746
5.251536073	6.305475213	3.762828466	1.67572752	0.270507222	5.151011396	5.065304452
6.683868783	7.962373087	5.504685464	1.446471944	0.347539221	5.199671513	6.635691997
7.136897051	7.991002661	6.173049479	1.294498398	0.233490212	3.271592821	6.954920318
6.886521446	7.654431707	5.363318015	1.427182145	0.310333765	4.506393654	7.140860174
5.34623595	7.755800908	4.158527158	1.865035531	0.381414967	7.134271112	5.070031123
4.164181375	8.19596139	2.964095703	2.76507988	0.3920307	9.414352171	4.022537901
4.02081983	5.622354333	3.310987718	1.698089758	0.252510486	6.280074639	3.899148831
5.989254643	6.939060059	4.470088434	1.552331718	0.318898032	5.324502806	5.656699252
6.583606246	10.08157252	4.424111055	2.27877926	0.885610566	13.45175475	7.634735644
4.620648825	6.73656159	0.708723004	9.505210851	0.479005995	10.36663925	5.1942511
6.843239253	11.54550025	3.75178924	3.077331779	1.499410383	21.91082801	5.959783328
8.482713946	10.02240523	6.467665162	1.549617208	0.525779813	6.198249947	9.033502863
8.680342269	10.35305003	6.289707816	1.646030362	0.686163214	7.904794448	7.59923635
4.805643149	5.748881085	3.804773777	1.510965282	0.316131289	6.578334653	4.871505994
6.321197342	8.397525115	4.166229394	2.015617557	0.624466513	9.878927663	5.133028359
7.471368296	8.593192806	6.203007259	1.385326898	0.310742771	4.159114612	7.281702788
5.826116111	7.098479477	4.515933279	1.571874304	0.382882613	6.571832854	5.196624934
6.914441144	8.210134012	5.656512755	1.45144798	0.39479627	5.709735053	6.892420294
5.270567959	6.630520036	3.965799875	1.67192502	0.288933484	5.482017996	5.837518042
6.785099431	7.467363217	5.962963217	1.252290672	0.231224083	3.407821583	6.942588241
5.563409592	8.640795545	3.690692988	2.341239321	0.661336678	11.88725488	6.307725849
5.896606512	7.573755112	4.508947147	1.679716986	0.478847257	8.120725973	6.650495759
5.759109183	8.333628385	4.648223287	1.79286318	0.357525812	6.208005448	5.829788745
6.619371384	7.73699363	5.160965571	1.499136842	0.236644105	3.575023834	6.411042674
6.57376007	7.408052246	5.894863709	1.256696102	0.23161172	3.523276142	6.427057249
6.693693521	7.657004719	4.939404719	1.550187756	0.359253683	5.367047091	6.781690987
5.290630989	11.17191712	2.680596481	4.167698196	1.270320529	24.01075659	3.942590794
7.24000808	8.057729	6.594822125	1.221826586	0.221444532	3.058622723	7.212816596
7.207465836	7.846966414	6.364666414	1.23289516	0.206474296	2.864728061	7.200385017
6.997723091	7.970229719	5.899490353	1.351003094	0.307574765	4.395354898	7.141930385
6.321121091	7.063380192	5.457155837	1.294333606	0.233014132	3.686278569	5.9639402
5.716918582	6.577539834	5.172844747	1.271551758	0.179553473	3.140738678	5.709791984
8.191632716	9.574464478	7.175962444	1.334241163	0.394673004	4.818001706	6.933147938
5.375517637	6.835204592	3.783481117	1.806591438	0.403080406	7.49844821	5.704205899
7.497517233	8.745724156	6.653728263	1.314409578	0.328896816	4.386743045	7.369174778
5.647483222	6.270123068	4.699843975	1.334113026	0.287645903	5.093346749	5.620748914

7.422980706	9.527316342	5.225330265	1.823294578	0.629680436	8.482851572	7.064017737
6.757364241	9.192559549	3.894856902	2.360179021	0.786911852	11.64524842	6.556039433
6.184720024	7.620943988	4.63848027	1.642982948	0.474966194	7.679671709	6.985305869
7.475526551	8.820976086	6.473273343	1.362676287	0.307010593	4.106875834	7.452946154
5.012327345	7.524084208	3.91588899	1.921424286	0.414125373	8.262137418	6.956391604
7.64373111	8.538969137	6.770455702	1.261210399	0.258021199	3.375592302	7.563406041
5.901175932	6.6452256	4.1961256	1.583657458	0.259887072	4.403987859	5.759721464
6.690916139	8.328707933	2.796719208	2.978027937	0.406992992	6.082769282	6.734848558
9.649102415	10.75782465	8.508169045	1.264411249	0.274954993	2.849539584	9.238169683
7.605404812	8.561937696	5.755511968	1.487606618	0.323796749	4.257455812	7.503572721
7.841058107	9.59790591	6.246706178	1.536474686	0.390805827	4.984095531	7.732789806
4.913489119	7.005396497	3.503853679	1.99934048	0.539501016	10.97999818	4.681178053
6.448489319	9.40878926	3.47948926	2.704071936	0.840333987	13.03148606	8.135180108
7.555815608	8.845191537	5.752346963	1.537666555	0.434155624	5.745979602	8.032370574
7.376777582	8.654934714	6.174114559	1.401809868	0.367670339	4.984159206	7.309147426
7.783474039	9.581378153	6.052141632	1.583138455	0.43093673	5.536560252	7.338819697
8.418150434	9.193500638	7.062992062	1.301643915	0.347039926	4.122519891	8.617575189
5.806845178	6.531423767	4.792007944	1.362982667	0.214659527	3.696663522	5.76459058
4.888151972	6.489630404	3.68534217	1.760930222	0.316916252	6.483355147	4.745622506
8.042561563	9.384710535	6.861122217	1.367809848	0.428660537	5.329900606	7.295591641
7.163796042	9.018483983	4.364757839	2.066204888	0.712100552	9.940268374	7.406807999
8.70941179	9.751984807	7.346902848	1.327359979	0.270950755	3.111010952	8.598075826
4.15884315	8.301008035	2.93458118	2.828685773	0.581797502	13.98940717	4.348472386
4.173807187	4.76686054	3.296665829	1.445964131	0.191293041	4.583178666	4.157139435
5.22904651	8.179903994	3.058039675	2.674884849	0.770029085	14.72599419	5.802519345
7.538985614	8.222864915	6.422098488	1.280401559	0.247929756	3.288635487	7.199866112
4.823438239	6.787519461	2.977719453	2.27943551	0.317769167	6.588021882	4.815402995
4.769488606	7.402244865	3.248612323	2.27858671	0.420403564	8.814436902	5.039178487
5.996908254	7.159948512	4.718200613	1.517516761	0.229315023	3.823887459	5.996309034
8.0608664	9.228028523	6.825820145	1.351929633	0.31419581	3.897792053	8.082131475
7.107300439	11.87917965	5.753889412	2.064547786	0.611057185	8.597598904	7.071258332
4.406419851	7.324655485	3.624371891	2.020944789	0.378283431	8.584824946	4.506864142
4.265916212	7.949698391	2.311715469	3.438874074	0.610087133	14.30143262	4.378263589
7.247508622	8.065344398	6.341566061	1.271822184	0.243458235	3.359198972	7.312965215
5.484445356	6.480731945	4.119800331	1.573069427	0.326710066	5.957030197	5.263481433
5.87072512	6.570197989	5.076845621	1.294149651	0.226762006	3.862589399	5.841060637
9.415610154	10.44119886	7.415089133	1.408101598	0.33621877	3.57086545	9.474149655
8.026347114	9.012811572	6.973552854	1.292427513	0.280429212	3.493858515	8.107733526
3.761915191	4.332382222	3.360241139	1.28930694	0.143973585	3.827135327	3.7374082
4.935504925	6.615967899	3.390820432	1.951140743	0.401758597	8.140172133	4.683416796
8.158627526	8.868080468	7.207938284	1.230321365	0.278061298	3.408187182	8.090165412
5.358600068	6.227571894	4.59858225	1.354237362	0.262965231	4.907349447	5.40535666
4.140735094	5.903164764	1.385808795	4.259725285	0.333464808	8.053275589	4.194924056
7.252289427	7.918312155	6.575657039	1.204185697	0.214271741	2.954539295	7.277727008
6.453592542	9.050061709	4.884508412	1.852809115	0.353554375	5.478411802	6.364532253
5.297904398	6.585023136	4.221412607	1.559909857	0.262186148	4.948865226	5.366527536
6.260381121	7.105129027	4.98180089	1.426216981	0.276214017	4.412095877	5.969759941

4.893074886	5.667118116	4.108783856	1.37926898	0.216566718	4.425984132	4.874540318
5.293097853	7.966348259	4.009621459	1.986808067	0.356995737	6.744551991	5.493416243
10.10092437	11.64475341	8.188935359	1.422010664	0.354211695	3.506725548	9.887044845
6.256430563	8.010433099	4.943546248	1.620381948	0.400239924	6.397256706	6.455797652
6.959162593	7.796182041	5.577635511	1.397757531	0.334781927	4.810663969	7.352700021
5.829489528	7.040099307	4.565308476	1.542086224	0.38043166	6.525985819	5.953020318
8.182311485	11.29209754	5.017738013	2.250435856	0.800285299	9.780675058	5.912759093
6.485638373	7.493487698	4.569467035	1.639904094	0.356604568	5.498372677	6.036768258
5.210231679	6.327964466	2.575205134	2.457266173	0.342382611	6.571350993	5.41248963
7.247610964	7.854878932	6.488895674	1.210510898	0.201134082	2.775177686	7.249321566
5.311001884	8.311500593	3.811397996	2.18069606	0.524547771	9.876625591	4.88610437
6.551710687	7.905966701	5.937394194	1.331554962	0.300509518	4.586733635	6.109877072
5.79766225	8.674774258	4.046745386	2.143642219	0.730711534	12.60355472	5.524104975
6.937776952	8.999073235	3.879328337	2.319750342	0.696394171	10.03771346	6.360911247
6.295207377	7.214169314	4.344526093	1.660519274	0.302704131	4.808485449	6.851373502
10.77057523	11.43266238	9.779159437	1.169084362	0.234352715	2.175860709	10.48387906
9.368439014	10.71068372	8.217401598	1.303414905	0.369848967	3.947818479	9.810965684
5.179081592	10.88469264	2.728575518	3.989148392	0.877363104	16.94051519	7.424507341
6.858549086	8.046241445	4.600661942	1.748931251	0.46555884	6.788007695	7.580078701
6.482496777	9.25845196	3.91935196	2.362240507	0.808280568	12.46866132	7.221240115
8.119638456	10.00273016	5.800353316	1.724503598	0.68653186	8.455202328	7.368243171
7.376703571	8.546548136	5.489181616	1.556980391	0.302842218	4.105386845	7.172072756
6.25890847	7.786959741	4.970862035	1.566520995	0.380981553	6.087028675	6.616416947
6.169250667	7.469726981	5.007146213	1.491813233	0.359239381	5.823063459	5.680430124
6.83340114	8.857019887	3.791545202	2.335992165	0.550421372	8.054866975	7.514874554
5.10315738	6.795800706	4.055517494	1.675692613	0.293100295	5.743508835	5.383161978
5.821906354	7.011840553	5.266963567	1.331287081	0.248492962	4.268240449	5.604084863
5.80159209	7.200492116	3.116852073	2.310180896	0.451826836	7.787980081	5.817847423
7.868295593	9.3647774	6.141841743	1.524750684	0.441809029	5.615053775	7.815378947
4.109499031	7.67000121	2.473569367	3.100782744	0.421633427	10.25997144	4.09706063
6.914448578	7.702473871	6.076151473	1.267656658	0.208286876	3.012342538	7.191209454
4.379983423	6.31898761	2.203859338	2.86723726	0.299344992	6.83438642	4.195844517
6.80876176	8.723716672	4.302377607	2.027650167	0.52176341	7.663117445	7.341102171
6.928741467	8.188278738	5.725679268	1.430097348	0.324850838	4.688453728	6.939335332
6.616215082	7.668901438	5.616774979	1.365356716	0.292304027	4.417994626	6.93824789
6.069866633	6.654531291	5.486146424	1.212970048	0.203251056	3.348525895	6.117619295
4.014833672	5.063977728	3.487064525	1.452217959	0.197923492	4.929805524	3.998747019
4.79821029	7.1599371	3.540864878	2.022087074	0.345906541	7.209074227	4.738821044
6.681069182	8.87587968	5.380729363	1.649568131	0.465390198	6.965804211	6.229305474
5.395832797	6.677762198	4.210019135	1.586159584	0.245916042	4.557517829	5.260357692
6.782724252	7.513469684	5.517394839	1.361778503	0.276531775	4.077001581	6.462524946
6.700063641	7.50089819	6.040347712	1.241799073	0.228744819	3.414069348	6.671042749
3.704338547	5.490986909	-0.552140934	-9.944900968	0.476389186	12.86030366	5.26962179
3.99689448	6.271288762	2.693091673	2.328657737	0.345770717	8.650984383	4.110290283
5.301402039	8.173633584	3.636956685	2.247382714	0.465640235	8.78334131	5.838401938
4.519776516	6.790602491	3.376640398	2.011052908	0.355078231	7.856101509	4.676402203
5.020234243	7.000362752	3.705565645	1.889148223	0.530227382	10.56180561	4.884229638

5.222723474	7.485172531	4.203450113	1.780721153	0.383145245	7.336119687	6.198827125
6.977942918	7.810669348	6.431084887	1.214518155	0.208388226	2.98638479	6.713786941
7.048456397	7.969528072	5.503309083	1.448133832	0.258391409	3.665929032	7.022783244
4.025810809	5.22904063	3.362619166	1.555049909	0.253333669	6.292736564	4.077638745
7.819141172	8.739360977	5.593971091	1.562282113	0.31766528	4.062662037	7.711504518
6.102197354	7.476730475	4.383531519	1.705640861	0.341082874	5.589509058	6.196899141
5.980681721	10.02341181	1.821111811	5.50400681	1.128550594	18.86993233	5.859372109
7.165031063	8.63937435	5.80704981	1.487738978	0.374848443	5.231637377	7.454000888
6.982431201	7.837500199	5.582722719	1.403884913	0.392955845	5.627779687	6.688293223
7.937628296	8.742969519	6.564982748	1.331758187	0.240632955	3.031547282	7.839747976
6.34247634	6.948371204	5.531162724	1.256222525	0.22280308	3.512872072	6.339745916
6.56125608	7.296682102	5.537370114	1.317716163	0.217121477	3.309144986	6.272967394
8.12325159	8.903487113	7.331887113	1.214351364	0.227499761	2.800599723	7.979347156
7.313075306	7.936814338	6.391163148	1.241841924	0.262335099	3.587206311	6.891923511
6.923685569	8.073484446	6.026451105	1.339674761	0.260226053	3.758490332	6.729058731
5.721206631	6.58527669	4.614056454	1.427220659	0.272973843	4.771263481	5.249852527
7.663968993	10.20910258	5.971802585	1.709551252	0.621679563	8.11171814	8.191899624
5.379208785	7.748959093	4.464458284	1.735699742	0.366069874	6.80527357	5.86179411
5.373476948	7.265377097	4.267154513	1.70262808	0.295822141	5.505227698	5.509560619
7.694174783	8.620031882	6.746075998	1.277784579	0.292845049	3.806061821	7.982741689
7.221667461	8.597837088	5.914676106	1.453644618	0.42750987	5.919822153	7.53491728
6.905047417	7.495982408	6.059876853	1.23698593	0.220435458	3.192381529	6.642289269
4.439373085	5.815243796	3.463859533	1.678833608	0.260128435	5.859575901	4.482641384
6.162145247	7.439038413	5.384233545	1.381633681	0.283834476	4.606098442	6.285780834
8.290875842	9.885643113	7.379227627	1.339658242	0.340175423	4.10300949	8.151714042
8.622723899	9.364139884	7.069109288	1.324656262	0.246650952	2.860476045	8.410585427
8.853454813	10.21531958	7.868664114	1.298227937	0.33920599	3.831340388	8.858817453
7.383044817	8.188910906	6.110346404	1.340171304	0.305833634	4.142378127	7.568033222
8.800021095	9.741201614	7.299238512	1.334550392	0.309619846	3.518398908	8.827334556
5.623689786	7.006657524	4.441897764	1.577401799	0.273876497	4.870049864	5.937032298
7.255791636	8.34412271	6.011502422	1.388026175	0.279899002	3.85759426	7.324527489
7.425762355	8.429526139	6.265859802	1.345310365	0.318271639	4.286046649	7.469521498
6.048404987	6.813361638	5.187672551	1.313375424	0.2143585	3.544050049	5.964360254
5.274529515	5.836693331	4.181260038	1.395917326	0.215133411	4.078722283	5.384548779
7.341236728	12.22236113	3.405865243	3.588621467	1.405537733	19.14578953	5.629924198
5.966381741	6.703025287	3.935085252	1.703400272	0.28195147	4.725669296	6.02134812
6.483384837	7.726757549	5.223881901	1.47912179	0.260283193	4.014618907	6.159722839
3.786175048	6.899746285	2.733874042	2.523798163	0.389022164	10.2748066	3.785608628
7.304188298	8.119151111	5.812184444	1.396919039	0.243999204	3.340538254	7.419814665
7.201624171	8.096456071	6.015981879	1.345824544	0.330565261	4.590148743	6.651564389
5.545398762	8.217963412	1.765934482	4.653606062	0.834778842	15.05354038	6.69918143
6.311352677	7.441010806	5.231937854	1.422228439	0.306223228	4.8519429	6.342006343
8.139083165	9.10740674	7.400106082	1.230712998	0.276956939	3.402802665	8.129041063
4.599400021	5.615511168	3.366167129	1.668221141	0.258896528	5.628919573	4.964279152
6.649905173	7.71650884	5.500702384	1.402822458	0.287288261	4.320185826	6.703075969
9.723890869	10.70765307	8.397428074	1.27511102	0.29400201	3.023501747	9.693552012
6.226644158	8.708662837	3.722762837	2.339301002	0.76269378	12.24887373	6.706993422

9.409463841	11.89232492	7.496824919	1.58631488	0.623984703	6.631458646	9.021748396
5.658398272	9.124506557	3.329077149	2.740851638	1.064631929	18.81507589	6.747284274
6.373768754	7.593493042	5.089203839	1.492078777	0.340259546	5.338435685	6.203063222
8.671678251	10.43628761	7.223277913	1.444813247	0.454042722	5.235926761	8.436948924
6.037138331	8.782337461	3.297914093	2.662997644	1.051659219	17.41982975	6.010923592
6.926718418	7.886483154	5.907216858	1.335059021	0.281700931	4.066874302	6.653721526
6.160785693	8.670563762	4.086257464	2.12188386	0.403652676	6.551967492	6.223460413
4.770600776	11.74439374	2.994234885	3.922335484	0.945034019	19.80953895	4.501036828
6.711362093	7.983996539	5.526365159	1.444710277	0.40823945	6.082810678	5.790388187
5.936073438	8.557611036	4.564536284	1.874804033	0.422217605	7.112742269	6.41572557
5.938975437	6.739234624	5.174679315	1.302348264	0.277521125	4.672878807	5.643823601
5.917585101	7.517480673	4.61774388	1.627955311	0.489846762	8.277815244	5.692266194
6.117076177	8.229355225	2.307922681	3.565697972	0.469557657	7.67617802	6.053027753
4.862272718	6.847236831	3.548639028	1.929538839	0.362990315	7.46544541	4.489923094
6.252914234	7.479633485	5.210233377	1.435565923	0.327396107	5.235896335	7.052389276
3.987633682	9.169288054	1.804079876	5.08252887	0.696666826	17.47068265	4.892827495
8.010743908	10.26885711	5.711497991	1.797927117	0.733674802	9.158635084	8.695205675
7.106055974	7.714739908	5.688846098	1.356116825	0.210200662	2.958049622	7.272792909
5.080477686	6.093216584	4.051607825	1.503900883	0.286485559	5.638949259	5.65692922
5.908261303	8.235043997	3.763363336	2.188213909	0.399709042	6.765256664	5.972480082
6.602136348	7.285966968	6.016946209	1.210907779	0.189687878	2.87312875	6.460207799
7.916661868	9.27698757	6.900483317	1.344396783	0.352782373	4.456201101	8.167739849
5.574988619	6.710451509	4.237783644	1.583481384	0.286288574	5.135231551	6.345274481
6.141114088	7.463778078	4.030290523	1.851920609	0.483894528	7.879588634	6.827392365
8.187115386	9.324020183	6.523426084	1.42931338	0.31659702	3.867015494	8.024933261
6.120255469	7.034685065	4.674611461	1.504870538	0.243452923	3.977822886	6.246214879
5.412384017	6.350346284	4.521643734	1.404433135	0.243003621	4.489770497	4.790558001
5.666922311	7.040499089	3.913229918	1.799152934	0.286445547	5.054693378	6.116359173
5.020676934	7.057118054	2.943283098	2.397702776	0.403860529	8.043945753	4.986911296
7.119282422	8.154190005	6.067508301	1.343910812	0.310742335	4.364798535	7.289928589
6.22052989	7.244105859	5.50057994	1.31697129	0.282104659	4.535058332	6.273716794
5.069242694	5.848952565	4.130947495	1.415886445	0.206822768	4.079953955	5.286827338
6.896557788	8.270593147	5.838075388	1.416664328	0.295072145	4.278542337	6.964832663
6.549911695	8.384861968	5.579024517	1.502926173	0.320633488	4.89523375	6.581701825
5.000941258	7.344322713	3.634716407	2.020604056	0.398502445	7.968548803	5.554913467
5.485319756	6.685180727	4.197071784	1.592820202	0.287961407	5.249674042	5.69854435
7.043615893	8.027996917	6.05305343	1.326272271	0.291769171	4.142320873	6.882769611
6.670092148	8.195960476	5.702609901	1.437229728	0.296012348	4.43790492	6.391084252
5.890924365	8.098934373	4.812659325	1.682839741	0.358667975	6.088483796	5.343490473
7.076580309	8.063064068	6.171419753	1.306516878	0.275825214	3.89771898	6.750457458
6.856512599	8.04634459	5.426929346	1.482669863	0.303042833	4.419780879	6.949949599
7.204672098	8.827539355	5.868631959	1.504190315	0.372723137	5.173353234	6.855395566
6.149761311	9.046525525	4.649999843	1.945489426	0.449932878	7.316265715	6.287715993
7.057995621	8.153877507	5.935165143	1.373824875	0.254422516	3.604741766	6.900211092
6.061725715	7.284307315	5.030217117	1.448109922	0.321416901	5.302399284	6.029323596
6.931872387	8.043040367	5.96793662	1.347708744	0.255509312	3.68600716	7.10181122
5.770287923	6.838828543	4.178381078	1.636717287	0.276025851	4.783571549	5.534417526

5.771701488	7.103655249	4.885226044	1.454109837	0.230694517	3.996993211	5.903920383
5.651638391	7.09812636	3.152312396	2.251720473	0.365785853	6.472209081	5.635762722
6.759598697	7.364613693	5.836688267	1.261779515	0.216849445	3.208022471	6.601404979
6.972167572	8.883171802	3.439683306	2.58255514	0.581243673	8.336627986	7.111231722
7.265398188	8.298721232	6.117672458	1.356516108	0.325070251	4.474224841	7.220156755
8.139018265	9.351548575	7.197318126	1.299310161	0.313547824	3.852403498	8.008792158
3.999588238	6.04141306	2.953237013	2.045691908	0.467956099	11.70010689	3.967256923
6.426249449	7.612040113	4.437740113	1.715296507	0.325190128	5.060340874	6.543079039
5.199923402	5.833409396	4.360860938	1.337673794	0.155808553	2.996362473	5.455605736
7.568644279	8.627475196	6.562675196	1.314627791	0.24068288	3.179999899	7.633547296
6.629302967	7.996752422	5.55516016	1.439517888	0.318060637	4.79779908	6.576578989
7.721197159	8.965291396	6.25940377	1.432291593	0.332353745	4.304432827	7.79864131
7.804208441	8.753569852	6.10535464	1.433752889	0.399852248	5.1235465	7.777296589
6.408196411	7.923897986	5.141202556	1.541253802	0.438637507	6.844944807	6.978627017
5.055394877	7.697689134	3.15302148	2.441369075	0.725161136	14.34430254	4.950322917
4.998635943	7.173137668	3.247811356	2.208606622	0.299965257	6.000942255	5.812890192
6.035044796	6.907294448	4.369644525	1.580745163	0.296544025	4.91370047	5.9934648
6.73274616	7.649301742	5.690255433	1.344280908	0.300590709	4.464607775	6.689489348
7.03400251	7.927304032	6.203712854	1.277832198	0.233475589	3.319242326	6.991334308
4.937416652	6.295013087	3.985975793	1.579290345	0.233249577	4.724121818	4.891495196
3.593025637	4.567393853	2.99048065	1.527310953	0.203304007	5.658295478	3.535024124
5.703335133	6.700063312	5.115682804	1.309710467	0.21784157	3.819547074	5.405731722
7.713033664	9.035126044	6.224874285	1.451455183	0.40450992	5.244498305	7.633232387
4.146705853	5.392089795	3.599600964	1.497968761	0.200974754	4.846612243	4.17194425
6.145989391	6.942401807	5.446996503	1.274537592	0.234840371	3.821034436	5.878700183
5.022797357	6.55598439	3.011060805	2.177300564	0.236227479	4.70310591	5.170607388
5.027294702	9.68473375	3.400521051	2.848014644	0.507886264	10.10257592	4.631817085
5.249729089	6.56526192	3.488094817	1.882191358	0.276533918	5.267584538	5.149800321
4.85297302	7.128194899	3.580396227	1.990895545	0.329731137	6.794415209	4.765881681
5.643493959	7.348139072	3.545645517	2.072440417	0.378498496	6.706811397	5.726198114
5.028879575	5.891668287	4.207742583	1.400196939	0.251695119	5.00499396	5.147653144
5.933543687	7.417055749	5.18023577	1.431798875	0.312261714	5.262651304	5.811055662
7.585606119	8.701705939	6.778965783	1.283633259	0.315882548	4.164236099	7.126714697
5.408935597	6.799120484	4.471803672	1.520442529	0.271203395	5.013988246	5.314441374
5.164336512	6.433278365	4.254900446	1.511969186	0.292881406	5.671230092	5.679967351
6.348471687	7.019976221	5.624056612	1.248205113	0.188433781	2.9681755	6.211658876
5.185593665	7.324499543	2.225996105	3.290436818	0.536522428	10.34640318	4.913657475
5.548313638	7.571014534	3.966643749	1.908670153	0.548519253	9.8862337	6.245391395
5.888294207	6.607183004	5.161122265	1.280183391	0.23492004	3.989611119	5.918613682
5.818392616	7.785847117	4.739072709	1.642905183	0.310168338	5.330825171	5.636294235
10.69197528	11.36325865	9.472364592	1.199622179	0.251716818	2.354259257	10.63385872
4.893176058	5.864017482	3.566834106	1.64403987	0.258214654	5.27703584	4.509042802
4.958629065	6.449309109	3.343527375	1.928893766	0.358328385	7.226359952	5.04936864
4.382340745	8.269771385	2.954033868	2.799484283	0.599055955	13.66977124	3.862586386
6.167479778	7.359176426	4.701852013	1.565165472	0.350356696	5.680710895	5.998248478
7.758433775	8.33118972	6.74948863	1.234343841	0.270120158	3.481632582	7.765837136
7.12234243	8.50954113	4.804207581	1.771268411	0.427357562	6.00023891	6.744338326

5.651141223	7.936036249	3.882838834	2.043874749	0.692187586	12.24863366	5.374103816
4.640515807	5.583993551	3.458477406	1.614581475	0.233244524	5.026262898	4.501411015
5.420824786	6.417440114	4.654802651	1.378670718	0.276014991	5.09175267	5.352285027
5.246739755	6.72145426	4.169085079	1.612213263	0.255115476	4.86236193	5.277476621
5.313229589	6.447338812	2.644641486	2.437887648	0.340575519	6.409953001	5.203985264
4.644020834	7.689526082	3.231135424	2.379821664	0.602202691	12.96726937	4.796395629
8.607918038	10.1435521	6.954002096	1.45866394	0.423686965	4.922060863	8.255994728
5.241751818	6.38174124	4.369368236	1.460563838	0.225271248	4.297632859	5.339454785
5.593607467	6.631150401	4.903794409	1.35224886	0.217282151	3.884472621	5.469647552
8.835831317	9.884170214	7.385885889	1.33825114	0.387787817	4.388809645	8.695340968
6.430292649	7.644447766	5.403463583	1.414731061	0.307079631	4.775515639	6.142077761
6.421222968	8.359189136	4.750909136	1.75949253	0.571809671	8.904996353	7.332337938
6.245512627	8.678825068	4.812638879	1.803340181	0.619835938	9.924500598	6.742057394
7.347354518	8.171044329	6.673440026	1.224412641	0.268038461	3.648094841	7.233585801
8.735891753	9.268017927	7.362803678	1.25876206	0.240808642	2.756543334	9.005267179
7.049524492	7.816857496	6.219609347	1.256808436	0.239858708	3.402480672	6.974618878
6.755695391	7.646103037	5.678394165	1.346525587	0.250438473	3.707071714	7.005379529
7.473883601	8.317614222	6.034594769	1.378321916	0.276167077	3.695094705	7.350216541
5.95087021	7.301700733	3.618042327	2.018135796	0.40541605	6.812718745	6.472582225
4.945031153	6.997533444	3.814207412	1.834596992	0.316782521	6.406077365	4.950727328
6.152891359	6.955901526	4.958001526	1.402964781	0.255352526	4.15012245	6.257951727
5.914275552	7.143014626	3.575982757	1.997496943	0.247991696	4.193103513	5.969827734
4.657958992	7.789383712	3.025095221	2.574921827	0.637319313	13.68237278	6.706649076
5.742823749	7.322098193	4.687848193	1.561931592	0.408768442	7.117899826	5.8174935
8.655506065	9.79149972	7.497173822	1.306025437	0.314591939	3.634587469	8.82161204
7.876620838	9.676563318	6.904189285	1.40154954	0.357689386	4.541152779	7.662951051
6.894261314	7.941424284	5.867324284	1.353500148	0.305331397	4.428776091	7.40860424
7.652832311	8.45337073	6.549689266	1.29065218	0.216029844	2.822874398	7.461811
5.377192272	7.383975621	2.866711363	2.575765288	0.484564051	9.011469674	4.939235208
6.245076346	6.86845077	5.53120077	1.241764864	0.179573924	2.875448021	6.282911105
7.54415652	8.193703637	6.616790434	1.238319956	0.219137526	2.904731971	7.280743054
6.073538245	7.152701145	4.964630787	1.440731739	0.321371611	5.291340866	6.071187606
8.525174045	9.021650042	6.963447037	1.295572436	0.228445457	2.679657403	8.372029621
7.664072236	8.771347038	4.69988336	1.866290366	0.459040802	5.9895156	7.970744307
6.932852308	9.803247408	3.346577775	2.929335	0.955272664	13.77892708	6.357696131
6.914850372	7.570801391	6.34088059	1.193966876	0.189094631	2.734616388	6.938475859
6.453455965	7.179774387	5.244792652	1.368933886	0.189875307	2.94222674	6.205580471
5.779516519	6.523906818	5.019999185	1.299583242	0.23308541	4.032956902	5.673491189
5.738489022	6.391170432	4.23069698	1.510666082	0.234755101	4.090886984	5.739405845
7.44977681	8.676294272	5.033561685	1.723688874	0.318044731	4.26918469	7.528089981
5.927702786	6.930888999	4.965685904	1.395756625	0.286402521	4.831593811	6.197555147
5.563919828	6.524736326	2.806018582	2.325264832	0.275414587	4.950009982	5.740066493
5.890973731	6.971510319	5.252673938	1.32723074	0.220572042	3.744237409	5.856626498
7.756496039	8.697070959	6.214348264	1.399514573	0.291213631	3.75444826	7.723367423
9.096442617	10.58504372	6.830943719	1.549572673	0.490420929	5.39134857	8.325271187
5.981393538	7.311537846	5.171800352	1.41373165	0.32192966	5.382184901	5.711949306
5.439487565	6.481577114	4.487631638	1.44432022	0.217502173	3.998578374	5.362740816

6.752819797	8.216613982	5.598632889	1.46761078	0.355761401	5.268338434	6.481080273
7.000515944	7.90278126	5.902401977	1.338909361	0.299739264	4.281673894	6.709923427
4.333353458	5.630079846	3.481426831	1.61717598	0.297245054	6.859469382	4.409445405
5.59141058	6.830822116	4.263487857	1.602167602	0.332786301	5.951741452	5.738758599
5.792985274	6.9351372	4.51350053	1.536531824	0.331817127	5.727912491	5.53092785
3.80479158	5.344833309	2.246983218	2.378670773	0.310137551	8.15123626	4.020235165
5.242037665	7.599461652	3.195149957	2.378436616	0.505503131	9.643256377	6.943602853
6.039865002	7.287433038	4.933069796	1.477261288	0.285352444	4.724483806	5.718238321
5.426429988	6.884613602	2.970251478	2.317855459	0.475622574	8.764926014	5.992914871
5.445266205	6.655149516	4.896816247	1.359076833	0.222570677	4.087415911	5.480337534
4.914103381	6.447611838	3.741714192	1.723170586	0.409393663	8.330994101	5.220118806
6.538086762	9.386663451	4.403171215	2.131796152	0.846658911	12.94964325	6.033027859
6.747868306	8.146776686	5.146621656	1.582936775	0.358281791	5.309555176	6.755926974
8.246169858	9.463223969	7.234728162	1.30802758	0.29696962	3.601303692	7.916470863
4.366655748	6.772804891	3.359996761	2.015717684	0.342159126	7.835724759	4.447795214
5.91866805	6.869862218	4.734067489	1.451154263	0.319119476	5.39174478	5.739640966
6.462836982	8.002578694	5.582932517	1.433400577	0.235088594	3.63754485	6.217156611
7.958652491	8.778591681	7.019888408	1.250531514	0.283854678	3.566617314	7.205722538
6.132791385	7.680074693	5.232153348	1.467861162	0.288598251	4.705822077	6.333088232
5.033732788	5.770694088	4.34800408	1.327205307	0.210624667	4.18426397	5.182205396
5.037498471	5.746849666	3.277537606	1.753404646	0.203124273	4.03224486	5.172593636
3.967326708	6.698987574	0.664910696	10.07501852	0.460004203	11.59481528	3.961479742
7.097038696	8.25790219	5.115993969	1.614134465	0.303874139	4.281703278	7.018232442
6.921387415	8.077166136	5.739776037	1.407226708	0.309181571	4.467046165	6.356823042
5.442011843	6.115678977	4.816006382	1.269865214	0.182481742	3.353203685	5.290212931
5.265732538	6.59867818	4.169684468	1.582536576	0.39912397	7.579647593	4.86446498
6.413878874	8.020567686	5.075578512	1.580227292	0.478733321	7.464021851	5.813410567
8.93824274	10.34669435	6.619468559	1.563070245	0.390312652	4.366771669	8.529614059
7.776598483	8.644649936	6.378131513	1.355357744	0.249489324	3.208206319	7.833635178
6.525882405	7.197440162	6.118457206	1.17634886	0.1719059	2.634216939	6.412314525
5.802343457	7.451364931	3.623393642	2.056460232	0.430113243	7.412750488	6.124252651
6.514550839	7.88366347	5.535678879	1.424154768	0.273473802	4.197891901	6.610421274
5.866092439	6.803622982	5.226709779	1.301702844	0.226865772	3.867408744	5.768562212
5.003900138	6.02871075	4.304456438	1.400574227	0.191573645	3.828486579	4.940199536
6.735075982	7.482082386	5.912829353	1.265397991	0.197092446	2.926358161	6.668147078
7.267818055	7.920597907	6.175650941	1.282552719	0.221860709	3.052645339	7.255454284
5.682589648	7.132894523	4.977979243	1.432889567	0.253034722	4.452806519	5.451487106
7.18971144	8.766878973	5.301810736	1.653563171	0.605224776	8.417928601	7.096042433
6.831976581	7.448953411	6.202869832	1.200888236	0.184804969	2.705000041	6.680936807
5.94246302	8.218914252	4.257504213	1.930453581	0.518730621	8.729219169	6.183448534
5.799031957	6.404521719	4.826408952	1.326974524	0.21847192	3.767386025	5.825476496
4.677382874	6.815489732	3.294639952	2.068659954	0.556218615	11.89166315	4.7318954
7.008042909	8.575593995	5.867850189	1.461454147	0.465617997	6.644051742	7.627750086
5.855473691	6.877104806	4.666991534	1.473562734	0.235275919	4.018050991	5.942400725
6.050622004	7.205903584	4.881851307	1.47605962	0.227538109	3.76057385	5.944101938
7.700060376	8.418838293	6.801682463	1.237758207	0.223079423	2.897112652	7.413520255
7.305675602	8.116167518	5.120412806	1.585061171	0.319696747	4.376005237	7.546977028

7.044973259	7.847550365	6.42883634	1.220679754	0.204480251	2.902498615	7.112851505
4.321726534	5.190485508	3.27966985	1.582624394	0.251098494	5.810143063	4.464191993
5.159616657	6.096041452	4.230818293	1.440865816	0.259207994	5.023783954	4.906415697
7.539497405	9.82719796	4.974641301	1.975458604	0.663665169	8.802512071	7.744905848
6.821806541	7.81341773	5.467629362	1.429032074	0.374966299	5.496583594	6.909105356
5.789218442	6.761235615	4.555093812	1.48432412	0.241776106	4.17631686	5.784696364
6.770616529	8.309741185	5.438222443	1.528025246	0.305116696	4.506483195	6.412560752
7.731208507	8.887966659	6.481900934	1.371197547	0.33693027	4.358054363	7.569097338
4.990426901	6.651226001	4.191811933	1.586718609	0.214606405	4.300361652	4.943791823
5.998773613	7.11275527	2.634067821	2.700293142	0.371617458	6.194890523	5.073376623
6.456482987	6.915484436	5.45057758	1.268761766	0.196775298	3.047716514	6.301145663
6.35285757	8.79086812	4.320088971	2.034881267	0.624686556	9.833158532	5.292107003
7.270802741	8.445666239	6.487728508	1.301790947	0.245414909	3.37534819	7.117151305
7.836666194	8.982303349	6.424866158	1.398052991	0.285911703	3.648384347	7.699499639
5.165227234	7.07428712	3.407701758	2.075970147	0.536191829	10.38079846	4.996537564
7.457584729	8.39677434	6.451928135	1.301436433	0.247791242	3.322674171	7.237725792
6.834450495	7.700724835	6.253676642	1.231391592	0.231366859	3.385303022	6.666971068
6.03321176	7.341345318	4.913671023	1.494065289	0.235662909	3.906093781	5.980233557
7.238733604	8.507677902	5.961777902	1.427037042	0.3822952	5.281244214	6.717028363
7.089847697	8.183933988	5.920799145	1.382234693	0.264293026	3.72776733	6.747248492
7.378380603	8.648996267	5.827796267	1.484093793	0.437654833	5.931583855	7.097235928
6.426418547	7.597189132	5.38947766	1.409633662	0.279427591	4.348107566	6.364836969
4.264528281	6.571215709	2.815020943	2.334339901	0.43525186	10.20633072	5.994627243
7.624350938	8.69562068	6.327759022	1.374202249	0.344377892	4.516815855	8.112455854
6.599645425	7.683182843	5.500751696	1.396751438	0.305028432	4.621891209	6.676071912
6.085738677	7.179605017	4.835697909	1.484709167	0.243866097	4.007173325	6.512881005
5.91590483	9.724275483	2.658449385	3.657874977	0.821246154	13.88200416	5.311339598
5.660091723	6.595605668	4.106743982	1.606042572	0.284518242	5.026742597	5.487300464
5.349885525	7.19428494	4.154627301	1.731631845	0.428810674	8.015324289	5.683515895
4.83820391	6.776824653	3.463024594	1.95690919	0.344728728	7.125138463	4.63482258
4.850197394	5.334969231	4.051029133	1.316941709	0.147710544	3.045454277	4.991907439
7.451154293	9.523197768	6.296917638	1.512358636	0.336192114	4.511946753	7.603535591
6.040823451	9.834639598	4.128176659	2.382320431	0.790757583	13.09022833	7.596606779
3.809663028	4.88175337	2.335035124	2.090655219	0.20909919	5.488653166	4.025055401
7.642654274	8.953850929	6.886084973	1.300281795	0.260266618	3.405448014	7.807070842
5.57982275	6.757289111	4.179164667	1.616899465	0.290147236	5.199936438	5.804255625
4.581335156	6.708315233	3.270782572	2.05098171	0.433588328	9.464235061	4.840957345
5.547791788	6.460148676	2.793583971	2.312494897	0.277321529	4.998773196	5.363182996
3.641765718	7.443066423	2.478126843	3.003505024	0.340284912	9.343953966	3.686847374
6.080270928	7.152279097	4.586872749	1.559293115	0.311289371	5.119662834	6.343577085
6.939013488	8.341270812	5.801382909	1.43780732	0.305080775	4.396601555	6.808928726
7.606092812	9.055901174	5.790740326	1.563858965	0.491260699	6.458778652	6.995645742
6.355564535	8.10819051	4.876067208	1.662854543	0.618719992	9.735091018	7.036783564
5.312723668	6.548996563	3.355710501	1.951597601	0.358178847	6.741906219	5.313383651
5.428946841	9.331983263	1.892711554	4.930483593	1.047763477	19.29957149	5.077672394
8.411686873	9.624171291	7.489171291	1.285078271	0.283781422	3.373656515	8.585762878
6.454905305	7.45110561	5.554178217	1.341531604	0.282071341	4.369875739	6.8187939

6.028086822	6.936754907	4.67512179	1.483759187	0.308969927	5.125505592	6.066912826
3.528184407	4.289332282	2.667745278	1.607849264	0.164815102	4.671385692	3.531509863
5.01498059	7.117040718	3.091590541	2.302064463	0.436493484	8.703792094	5.139180046
5.89330318	6.960502879	5.082564556	1.369486369	0.268185948	4.55068983	6.006274228
6.535096377	7.825678857	5.191480618	1.507407892	0.285419382	4.367485421	6.632839813
8.182125931	9.305305048	7.263199016	1.281157934	0.330965218	4.044978293	8.031224842
6.495884405	7.745100979	4.10982881	1.884531288	0.403855658	6.217100446	6.151220216
6.688555764	7.975721264	5.562247256	1.433902683	0.38392147	5.739975615	6.504357964
5.917610108	6.724016576	5.306879763	1.267037671	0.224517339	3.794054263	5.875895738
6.326294	7.356167876	5.405554508	1.360853519	0.258244044	4.082074659	6.049652638
5.690827574	6.686209532	4.622976078	1.446299833	0.258347702	4.53972114	5.613391083
6.42125884	7.389650631	5.062129776	1.459790831	0.320919287	4.997762822	6.683260574
4.530767241	5.720752478	3.087115555	1.853106039	0.303627955	6.701468844	4.446411938
5.125256209	6.97416004	4.265726546	1.634929001	0.278269003	5.429367662	5.790180416
5.960931388	6.908020942	4.443035624	1.554797559	0.278692543	4.67531876	5.995811283
5.46190829	6.792157506	4.711086692	1.441739019	0.273271332	5.003220808	5.831716531
7.081654922	7.778693934	6.535816649	1.190164038	0.209515115	2.958561491	7.294303324
6.506747795	7.970002938	5.075208909	1.570379285	0.310783703	4.776329319	6.271567811
6.767759988	8.02607168	5.017034213	1.599764191	0.383365529	5.664585175	6.030893513
7.395967596	8.419457679	6.255667263	1.345892824	0.28138654	3.804594013	7.62679441
6.363881639	7.228134416	5.420664587	1.333440633	0.288823681	4.538482916	6.366715201
6.014633921	8.348379831	3.813798259	2.188993561	0.725762915	12.06661827	5.866283858
6.687224377	8.102257085	5.527135035	1.465905398	0.289723801	4.332497089	6.771401393
7.180933049	8.456230898	5.504952705	1.536113269	0.399035508	5.556875479	7.528030275
3.837357521	6.207188527	2.571681829	2.413668929	0.324627219	8.4596553	3.885679502
6.036966295	8.34029447	4.708281056	1.771409644	0.432896282	7.170758633	6.839796522
5.580009052	7.635707808	4.316204511	1.769079243	0.481144922	8.622654871	5.886091291
7.882760438	8.765332263	6.713516086	1.305624676	0.271483786	3.444019236	8.019379749
5.453842933	8.080338935	4.395526585	1.838309649	0.318463423	5.839248149	6.085259603
5.515618559	6.826954814	4.691558613	1.455157097	0.278182449	5.043540373	5.396127064
6.334956415	7.256177258	5.635005826	1.287696496	0.181943384	2.872054233	6.541824591
4.535367871	10.32492142	2.249786096	4.589290262	0.521262002	11.4932684	4.601036019
5.67157667	6.697987871	5.113881392	1.30976598	0.199658535	3.520335649	5.896353554
6.306543507	7.663214445	5.011732171	1.529055062	0.386523772	6.128932147	6.676866452
7.315866485	9.008542968	5.766109832	1.562325941	0.328267111	4.487057168	7.286241639
7.035783153	7.517154129	6.221170295	1.208318335	0.154814395	2.200386112	7.050897483
6.135428285	8.129549623	4.622591943	1.758656123	0.509210926	8.299517209	6.36878027
7.190254258	7.945518001	6.034554509	1.316670185	0.306079204	4.256862044	6.804628812
5.541255159	7.275071478	3.957707034	1.838203641	0.367607664	6.634014379	6.120605854
7.004359385	9.883907976	5.400517953	1.830177783	0.655890848	9.364037619	5.681160461
7.995705885	9.037161203	7.115918302	1.269992265	0.324152218	4.054078805	8.33578096
9.502248073	10.87672981	8.105740995	1.341855089	0.352918377	3.714051389	9.783412051
8.81911521	10.27168139	7.608092729	1.350099395	0.445389961	5.050279426	9.533134713
7.131738504	8.254589939	6.09719903	1.353833112	0.334683092	4.692868252	7.480760438
6.291088046	8.920042052	3.992181245	2.234378027	0.671246392	10.66979809	7.211356528
7.167789361	8.315895421	6.164641743	1.348966537	0.291936426	4.072893481	6.817692242
4.409303012	6.309701026	3.183620889	1.981926004	0.353732431	8.022411482	4.563112869

6.067975453	7.271725048	5.285699636	1.375735579	0.278500188	4.589672296	5.943607474
7.656113547	9.883333179	4.977586281	1.985567426	0.872314304	11.39369601	6.531830463
7.043084429	8.7270533	5.367727728	1.62583755	0.480216874	6.81827513	7.813574784
7.978939278	8.518377639	7.379953158	1.154259039	0.196810916	2.466630073	8.093371004
4.319073088	5.406656764	2.436727882	2.218818442	0.228070916	5.280552369	4.423070541
9.659662805	10.54952189	8.718329616	1.210039348	0.306568456	3.173697284	10.19698691
6.448526198	7.026592767	5.418441396	1.296792242	0.260006807	4.032034595	6.332418795
6.179780883	6.937495251	3.916864293	1.771186013	0.322261672	5.214775048	5.976129387
8.052340317	8.692207567	7.184746832	1.209814037	0.221259584	2.747767424	7.703541271
7.471409669	8.448356213	6.781689648	1.245759781	0.249556429	3.340151858	7.843640417
5.775071722	9.742658811	3.775731041	2.580337081	0.719229604	12.45403761	7.537942248
6.661275515	8.746871939	5.620485262	1.556248532	0.369316574	5.544232075	7.131510428
5.379514088	9.578750165	3.391059258	2.824707396	1.041504354	19.3605656	5.837049617
6.764111619	7.719135556	5.650633909	1.366065415	0.316139183	4.673772418	6.237390791
6.783967703	7.479264456	5.875533007	1.272950802	0.239342922	3.528066938	6.874120301
5.115568814	6.658721421	4.219084242	1.578238556	0.367312272	7.180282101	4.693651606
5.819828031	7.493143136	4.941165141	1.516472921	0.27206953	4.674872318	5.927250592
9.389404457	10.02918011	7.971495068	1.258130378	0.294680162	3.138432938	9.473092478
7.201817327	8.992656512	5.753150744	1.563083763	0.585633345	8.131743955	7.965947739
7.354991473	8.077078744	5.888992807	1.371555206	0.262301717	3.566308923	7.238273841
5.577573208	7.528314892	3.900898131	1.929892717	0.518499628	9.296151004	5.371265875
6.247750205	7.400604469	4.259525025	1.737424813	0.287987233	4.609454974	6.452793233
8.449978042	10.86755604	6.46289211	1.681531403	0.596446191	7.058553142	7.727851226
3.92012463	4.819320509	2.650536056	1.818243709	0.221086224	5.639775382	3.974065247
6.129953411	7.428745569	4.542167022	1.635506914	0.348895523	5.691650488	6.003717078
6.799705327	8.127670498	5.719285936	1.42109882	0.384296698	5.651666934	6.230016663
6.543028609	7.606329201	5.458362535	1.393518505	0.265375631	4.055853131	6.788613233
7.231143778	7.985222361	6.339135368	1.259670586	0.285281829	3.945182636	7.139460465
5.703090747	9.657637328	3.408555028	2.83335233	0.789377961	13.84123094	4.868706964
5.897722231	6.679819587	4.973465112	1.343091675	0.270895679	4.593225459	5.746610528
6.660736194	7.248447828	5.240698252	1.383107266	0.254765554	3.824885811	6.418174033
7.935493874	8.590418017	6.957624173	1.234676925	0.234918032	2.960345458	8.033782261
6.529985995	8.965030251	3.06019908	2.929557854	1.000497141	15.32158172	6.137492871
8.469710776	9.988358519	7.316770368	1.365132158	0.305058644	3.601759875	8.442611656
5.283780872	9.457729193	3.930049286	2.406516688	0.511273808	9.67628713	5.428726605
6.928130547	10.7668906	2.076145895	5.18599903	1.663005634	24.00367058	6.158957045
6.952918822	7.855888815	5.727006761	1.371726828	0.331200686	4.763476965	6.273679929
6.220430428	7.197376373	5.563934867	1.293576676	0.237945904	3.825232134	6.097936685
7.27223525	7.97497525	6.52797174	1.221662037	0.225986931	3.107530532	7.386389163
6.238816339	7.109622635	5.417026987	1.312458412	0.27711167	4.441734705	6.310453652
6.397350057	7.580648301	5.558759779	1.363730149	0.259058254	4.04946191	6.360475638
8.543049712	9.885452044	7.474346896	1.322584057	0.354030689	4.144078527	8.816382034
7.364877004	8.568246042	6.705255398	1.277840371	0.274283774	3.724213907	7.245375292
7.707436094	8.969458517	5.915880774	1.516166208	0.403561954	5.236007783	8.376791144
5.016200052	5.734049881	4.386806141	1.307112668	0.180830735	3.604934665	5.166067085
7.093558933	8.814602772	6.132002772	1.43747534	0.357515784	5.040005831	7.316333521
6.905556697	7.76692923	6.019246383	1.290349113	0.260221912	3.768297376	7.333899547

6.537867014	7.754153009	5.151894279	1.505107168	0.431591934	6.601418069	6.617304532
6.942858496	7.597690186	6.080244595	1.249569827	0.212157534	3.055766361	7.234965932
5.027891838	6.658512525	3.971331564	1.676644828	0.32280895	6.420363847	5.356973749
7.73562376	8.368166933	6.990217762	1.197125357	0.197138656	2.548451967	7.837531533
6.01488895	7.59464215	5.40248858	1.405767368	0.267487693	4.4470928	6.294338337
6.313539195	7.740819367	4.892881752	1.582057315	0.310122564	4.912024063	6.42255212
4.415955849	6.601849583	3.373847334	1.956771878	0.337541274	7.64367411	4.658001617
6.489468515	9.192700084	4.414112238	2.082570535	0.692012906	10.66362992	6.042456021
7.92509251	9.864646152	4.270044063	2.310197742	0.89198006	11.25513751	6.302237775
5.481253051	6.88625836	3.930015903	1.7522215	0.406750677	7.420760777	4.716150848
5.87036185	6.859143309	5.044146914	1.35982227	0.236151099	4.022769045	5.927759947
9.107914371	10.38250663	8.238245343	1.260281309	0.234850989	2.578537514	9.11424266
7.483159807	8.462916506	6.497468736	1.302494379	0.303733954	4.058899746	7.120735855
7.453811654	8.408165301	6.751691807	1.245341989	0.231245537	3.10237967	7.548825178
8.786250169	9.68050648	7.853109682	1.232697221	0.266772882	3.036254113	9.100504665
3.735804646	4.720687538	-1.391172159	-3.393316569	0.387348141	10.36853309	3.805876454
5.749873869	6.579738722	4.626905389	1.422060356	0.294569324	5.123057136	6.02723116
3.847732468	4.521456976	3.02044526	1.496950478	0.227914721	5.923351548	4.005084657
4.786515935	6.957696061	3.824878531	1.819063273	0.366910514	7.665502811	4.847038136
7.279975582	8.635574421	3.629636814	2.379184162	0.476737473	6.548613628	6.586197337
4.625640375	6.154240478	4.06610172	1.513548087	0.286212813	6.187528426	4.621531146
4.843953091	7.12543539	2.131210683	3.343374471	0.543240347	11.21481436	4.862131115
8.020209774	9.036261487	6.931051733	1.303735975	0.30472864	3.799509599	8.57691894
7.508707425	8.658612442	6.286081141	1.377426134	0.337107205	4.489550417	7.619754591
6.412282132	7.286625569	5.634173884	1.293290857	0.222508234	3.470031879	6.395526802
6.00041348	7.725597252	5.257197252	1.469527751	0.305822215	5.096685685	5.717323973
5.626241335	6.948783527	4.735588549	1.467353731	0.31178356	5.541595914	5.252439932
7.203211558	9.255906604	4.926703808	1.878721954	0.691600345	9.601277694	6.349539094
4.16548729	10.14771843	2.903539037	3.494948166	0.587386637	14.10127065	4.325352712
5.337168338	7.685653172	2.915053172	2.636539616	0.584434608	10.95027497	5.811049802
8.071598261	8.823938717	6.888514881	1.280963875	0.271213104	3.360091709	8.141697532
8.039969738	9.101532756	6.965557476	1.306648145	0.310807466	3.86577905	8.173486236
6.836800338	7.387133869	5.783500536	1.277277286	0.210239051	3.075108826	6.785234492
6.554891588	7.393755419	5.948595086	1.242941453	0.22093376	3.370517383	6.360237822
6.71787867	7.743940682	5.733246164	1.350707864	0.270357405	4.024446087	6.642256018
5.918728117	7.012687486	4.828687486	1.452296821	0.242081755	4.090097576	6.216255615
6.431064538	7.559137762	4.083583394	1.851104051	0.364586839	5.669152236	6.555190135
3.797068547	4.635628521	2.971067348	1.560256964	0.211720232	5.575886491	3.796580985
5.785991051	7.62969304	4.20869304	1.812841414	0.412058141	7.121651884	6.024229268
7.735041557	8.862560992	6.731228311	1.316633545	0.302286161	3.908009527	8.051799969
3.895424792	5.980702859	3.215068011	1.860210371	0.259468206	6.660844974	3.924668249
8.342405814	8.97584234	7.713035626	1.163723698	0.214278637	2.568547277	8.235460111
7.325988637	10.44092709	5.330681221	1.958647808	0.711780904	9.715834125	7.465666275
6.426446437	7.280340443	4.53228111	1.606330293	0.302053029	4.700156327	6.424779155
4.648832025	5.555008219	3.86550803	1.437070671	0.240834592	5.180539776	4.654160846
6.686331264	7.845611602	3.476902798	2.256494374	0.391821217	5.860032976	5.829766836
4.712083596	6.078290378	2.842007298	2.138731446	0.370866193	7.870535099	5.043598724

6.347827898	7.164872066	5.394271321	1.328237243	0.283394598	4.46443417	6.120535861
5.539076386	7.93594718	3.914929759	2.027098229	0.658372316	11.88595842	6.464605284
7.769050206	9.116994171	7.004407102	1.301608264	0.260029885	3.346997099	7.812160105
7.82430687	9.125388028	6.774381393	1.347043737	0.359607689	4.596032525	7.58959624
4.394380196	7.694856898	3.266533309	2.355664605	0.512943711	11.67272033	5.06029236
6.204767382	7.477439049	4.793178661	1.560016761	0.400956207	6.462066699	5.874911458
6.067082335	8.560509208	3.860197609	2.21763497	0.798813007	13.16634526	6.169719355
8.52228963	9.244560946	7.031507293	1.314733891	0.268137345	3.146306406	8.769433252
6.979548479	7.570963919	6.426679376	1.178052222	0.197287657	2.826653587	6.974111073
6.285468937	7.345348626	5.532281612	1.327725004	0.266869436	4.245815842	6.316078406
7.601396288	8.998666088	5.07966957	1.77150619	0.549496865	7.228893798	7.704710677
5.767403658	7.667797109	3.256620149	2.354526091	0.518132128	8.983802046	5.545193966
6.206442224	7.612190289	4.504751252	1.68981368	0.49264608	7.937656749	4.669229504
6.889505146	7.602842597	5.995838739	1.26801986	0.27316205	3.964900877	6.949351016
4.263140412	4.988704789	3.204392606	1.556833198	0.23758586	5.573024504	4.337443522
7.312712701	8.840262737	5.702199523	1.550325046	0.369753967	5.056317426	7.464796556
8.155227225	8.888072447	7.036429341	1.263150956	0.284037949	3.482894354	7.717419743
7.230739267	8.914026672	5.676050626	1.570462855	0.398790974	5.515217173	7.563511036
5.033548412	7.565431025	4.100630392	1.844943412	0.540157605	10.7311495	6.207164257
7.050929124	8.39171794	5.37293965	1.561848538	0.312701381	4.434896107	6.91945835
7.504561147	8.440777966	6.526203737	1.293367217	0.30363821	4.046048852	7.422999331
4.507636667	5.796480144	3.667355824	1.580561152	0.243994237	5.412908241	4.962911922
8.012607991	9.029177834	7.129784374	1.266402651	0.265353123	3.311694808	7.898505291
7.158748572	9.277872705	6.34348194	1.462583608	0.300819982	4.202130848	7.329803271
8.044934273	9.451573788	7.001694798	1.349897998	0.285357086	3.547040611	8.000671363
4.539254639	7.035385568	1.645481222	4.275579371	0.408218838	8.993080819	4.548834814
6.171644151	7.157482414	5.580569211	1.282572108	0.210648474	3.413166223	6.042964201
7.01479822	7.755640262	6.086378041	1.274262001	0.239383071	3.412543935	6.89092279
5.631883404	7.256986015	4.779182716	1.518457537	0.271180532	4.815094934	5.663500536
6.450102444	8.756224703	5.176224703	1.691623762	0.496625251	7.699494011	6.311202236
6.644977846	7.324758031	5.9914119	1.222542892	0.211043922	3.175991362	6.426217742
6.518288596	7.608473675	5.172868977	1.47084214	0.449588928	6.897346159	6.848404738
6.150829341	7.210363874	3.410481839	2.114177472	0.353439949	5.746216147	5.624508091
6.380926622	7.341178679	4.455458111	1.647682123	0.334058686	5.235269191	6.659379779
7.33801598	9.326910316	5.524465492	1.688291895	0.523080533	7.128364594	7.825679822
6.957154506	7.76877166	5.717399363	1.358794649	0.258378532	3.713853582	7.001952573
6.906870205	7.937878442	6.166010871	1.287360436	0.260529536	3.772034635	6.991212761
4.912776012	7.158113542	2.062953238	3.469838002	0.584904248	11.90577886	5.209790387
3.25234148	4.135356034	1.724968607	2.397351474	0.254359591	7.820814399	3.210902672
6.190419862	7.198435671	5.067119608	1.420616885	0.241979611	3.908936971	6.070430672
6.209530946	7.707457474	4.958565419	1.554372449	0.424689262	6.839313083	5.894944687
7.164167835	8.235018938	5.966600895	1.380185986	0.35357305	4.935298246	6.898971639
7.792142213	8.351888256	7.017408601	1.190167016	0.208376451	2.67418696	7.718480973
5.508022211	9.324140382	1.910492015	4.88049168	0.987241355	17.9236996	5.254308748
4.099967806	7.409193645	2.519068877	2.941242977	0.361088296	8.807100765	4.228753007
4.462645977	6.764426269	3.232633864	2.09254328	0.317300262	7.110137437	4.812030465
8.707812881	10.58460465	5.720299757	1.85035839	0.835329044	9.592868554	8.830613102

6.230028985	7.464370184	5.519255148	1.352423467	0.22527469	3.615949306	6.300287179
7.508124379	10.18955862	5.659521381	1.800427622	0.677749573	9.026882602	7.29933521
4.461374769	8.709550954	2.337942808	3.725305394	0.682812223	15.30497343	5.164695078
8.505162758	11.32401892	7.287175466	1.553965452	0.452043538	5.314931069	8.52954382
4.55624057	5.882761008	3.268010063	1.800104924	0.266077402	5.839845337	4.697958969
9.110558062	9.836468561	8.145677871	1.207569059	0.283208992	3.108580073	9.377501571
6.592383285	8.736387842	4.568787788	1.912189458	0.682678645	10.35556664	6.999051923
3.736565766	5.690414188	2.780759202	2.046352732	0.308822731	8.264881455	3.695692985
6.416528343	7.538913886	5.355001192	1.407826743	0.27615198	4.303759993	6.550583988
5.022729476	10.09576223	3.449318086	2.926886412	0.634046792	12.6235505	5.259763998
6.329568495	7.654869943	4.843733647	1.580365582	0.364126821	5.752790591	6.183663426
6.194754579	7.861018077	4.701073987	1.672174933	0.440088318	7.104209085	6.102783824
6.142563501	7.258444907	2.197688429	3.3027634	0.473048602	7.701159327	5.210470931
8.18886879	9.143460681	6.736775001	1.357245964	0.375283325	4.582846966	8.981167325
7.495295722	8.746558482	5.797581094	1.508656514	0.353375066	4.71462474	7.390647395
7.500809252	9.67379252	5.53099252	1.749015658	0.468168927	6.241578896	6.916169882
5.483347636	7.827670943	3.434082797	2.279406585	0.616285171	11.23921393	5.718625399
5.076407905	7.428810802	1.649022045	4.504979678	0.653468542	12.87265629	6.457466663
8.6324947	10.77787578	5.976121113	1.803490187	0.640536376	7.420061038	7.67421218
6.30289706	9.000605447	4.475398185	2.01112953	0.494882995	7.851675033	5.491048553
7.729274213	9.058791938	3.595654528	2.519372166	0.611853048	7.916047886	8.152180993
10.39036345	12.40310771	8.734647855	1.419989439	0.518410806	4.989342373	11.23417376
6.658678409	8.134385646	5.612662957	1.449291666	0.442142222	6.640089737	5.687582806
9.809521564	11.18990072	6.989510076	1.600956376	0.412477261	4.204866241	9.702676569
5.004363627	10.05380203	1.601688118	6.277003567	0.848342124	16.95204799	5.458957412
5.716769537	6.712705471	4.867027935	1.379220658	0.283413772	4.957586097	5.545855617
7.318416158	8.149040231	3.351650833	2.431351187	0.33931973	4.636518652	7.530347553
9.239322683	10.07687029	8.550736958	1.178479743	0.213656781	2.312472335	9.116648183
8.618767724	9.516865215	7.409200044	1.284465956	0.352659	4.09175663	8.044120254
7.014337334	7.672050527	6.321616397	1.213621651	0.190641775	2.71788718	6.988115295
5.503982969	6.277051	4.186111595	1.499494425	0.276131959	5.016947925	5.506171707
8.258027454	9.101922954	6.951428698	1.30936004	0.309707176	3.750377166	8.124308331
6.423287973	7.40785086	5.615834918	1.319100538	0.269950918	4.202690574	6.499685463
9.347951872	10.62075791	8.350314904	1.271899088	0.347299957	3.71525187	9.326927688
6.078892656	7.138775789	5.383667554	1.326006058	0.242595572	3.990785582	6.048314617
5.876326416	7.446529873	4.967207537	1.49913806	0.370989845	6.313295395	5.817283455
7.77531554	8.976885995	5.527044215	1.624174811	0.308055172	3.961963609	7.848306231
9.453720376	11.34273177	6.662805372	1.702395783	0.783265069	8.285257423	10.30890224
5.007019409	6.916973975	3.658083552	1.890873698	0.37899192	7.569212111	4.972752389
6.106727095	6.850604422	5.244011115	1.306367258	0.245176969	4.014866967	6.338125539
7.234073468	8.740279839	5.806878378	1.50515979	0.358748886	4.959154579	6.863918662
5.727782888	6.735923668	4.219490913	1.596383025	0.262814365	4.588413537	5.539992034
6.962003247	7.968773892	6.237602095	1.27753803	0.233246143	3.350273405	6.780946562
4.797096719	6.58817125	3.624256152	1.817799563	0.312361072	6.511460789	4.681448297
6.620220802	8.203661007	5.306211007	1.546048771	0.408259155	6.166851033	6.561342555
7.113049857	8.446761065	4.993161065	1.691666052	0.436082645	6.130740729	6.69980579
6.731953264	7.889422811	5.964984646	1.322622484	0.259931968	3.861167153	7.068253402

7.381100597	8.663590789	6.518391051	1.329099577	0.271023034	3.671851241	7.25361323
7.254783211	10.79983461	3.962217748	2.725704467	1.243001694	17.13354704	8.38329822
5.515326581	6.217529883	4.685899636	1.326859379	0.252369101	4.575778005	5.412828253
5.775858749	9.630470118	4.392765305	2.192347975	0.48852388	8.458030242	5.692238908
5.221887548	7.414528143	3.502963136	2.116644639	0.642571301	12.30534544	5.581895977
7.374846687	8.393111209	6.407220514	1.309945739	0.268396492	3.639350125	7.255490271
7.191155062	8.52721989	5.518707299	1.545148062	0.411446896	5.721568967	6.627538775
6.053001035	7.070541491	4.949395688	1.428566624	0.245025896	4.048006844	6.256756811
7.091866182	8.17543204	6.008586388	1.360624865	0.31187143	4.397593272	7.102841328
5.060422447	10.81369957	2.449563206	4.414541964	0.876423419	17.319175	6.295051751
6.587327274	8.245768035	5.423977573	1.520243755	0.34983751	5.310765593	6.639107627
5.677412923	6.786715267	4.816802065	1.408967023	0.261208984	4.600845279	5.365524277
8.900309153	9.792525216	7.683421389	1.274500606	0.271823871	3.054094707	8.884093691
6.525427887	8.937633883	4.644791257	1.924227245	0.374158594	5.733855315	6.141214516
7.471748475	8.373777434	6.300697718	1.329023833	0.296593237	3.96952919	7.467456623
8.386272873	9.322243898	7.261100057	1.283861099	0.262300747	3.127739241	8.424123428
6.325405736	7.363023285	5.478597693	1.343961302	0.258182571	4.081676053	6.413486888
7.433870702	8.331546139	6.410605646	1.299650392	0.241277535	3.245651489	7.48871936
7.075746577	7.882413386	6.023661875	1.308575008	0.232327248	3.283430879	7.152815022
3.994540713	6.193465594	0.145404507	42.59472907	0.365858491	9.158962636	4.092951891
8.079308516	9.017416635	6.856379928	1.315186254	0.293410925	3.631634117	7.895676095
7.622380923	8.568437561	5.967026869	1.4359643	0.304945893	4.000664566	7.474578375
7.475070993	9.261389716	5.883174831	1.5742163	0.43937059	5.8778116	8.035318663
4.520086745	6.367207908	2.718055079	2.342560295	0.357715238	7.913902062	4.56281545
6.21866021	7.833812133	4.669009502	1.677831696	0.453380371	7.290643894	6.210569099
10.07150821	10.80710912	9.096123853	1.18810048	0.280899431	2.789050307	10.53485646
6.136519032	6.886546814	5.605661084	1.228498604	0.190311344	3.101291508	6.183024917
7.447479571	8.462244548	6.067840786	1.394605568	0.332730151	4.467687993	7.491181191
7.727375435	8.476276813	6.856850307	1.236176442	0.269893537	3.492693471	7.730886935
7.744705186	8.621633791	6.885285958	1.252182385	0.287715714	3.714998915	7.69156659
8.432837221	9.552360473	7.448492784	1.282455491	0.36944427	4.381019825	8.503068579
7.046734546	8.10174202	6.047883529	1.339599544	0.345166453	4.898246852	7.027657831
5.412924699	6.090172545	4.457883355	1.366157896	0.209779998	3.875538813	5.47185781
7.184061779	8.426204792	6.264832355	1.345000842	0.30133427	4.194483283	6.734559611
7.044901668	8.284979429	5.424079429	1.527444341	0.372880646	5.292914839	7.445418811
6.03670088	6.949199783	3.665258164	1.895964615	0.336800041	5.57920705	5.789834067
5.782230886	6.712494859	4.011002568	1.673520459	0.253990851	4.392609988	5.875377115
6.083335973	8.079560661	4.979709827	1.622496278	0.43225999	7.105640584	5.95228042
4.893312636	7.98561076	2.778890379	2.873668865	0.75697785	15.46964003	6.348250821
6.413489913	7.412583678	5.410615495	1.370007476	0.253965167	3.959859155	6.24580652
5.288307896	7.358303265	3.950577725	1.862589165	0.307077617	5.806727274	5.373427074
6.558865673	7.980472945	5.917908079	1.348529385	0.319037149	4.864212279	6.22483562
8.001208559	9.926903739	6.638316552	1.495394753	0.495488095	6.192665656	7.672206245
5.795616661	6.924172626	3.992772626	1.734176542	0.311661786	5.377543133	5.677811068
6.388210613	7.325349547	5.736502749	1.27697133	0.181777008	2.845507428	6.415912732
7.106355685	9.971830188	6.409097565	1.555886782	0.322232408	4.534425555	6.679794282
8.204951575	11.18913173	6.923479486	1.616113943	0.508650921	6.199316554	8.228203441

6.659858394	7.909871166	4.766179597	1.659583112	0.30383321	4.562157217	6.712627937
6.290310263	8.037980781	3.937844574	2.041213316	0.464962059	7.391718996	4.967018424
6.604866073	7.639339931	5.735661132	1.331902244	0.238184804	3.606201868	6.804599417
6.94861915	7.910826207	5.927112881	1.334684587	0.286782563	4.127187812	7.065198836
5.798260435	7.837285929	3.958322509	1.979951333	0.427025349	7.364714875	5.955153306
6.080187984	11.50439639	3.033945871	3.791892433	1.76861246	29.08812137	7.116913544
5.5341744	9.117282591	4.09817296	2.224718839	0.601504134	10.86890457	6.098163625
6.38809869	7.362312719	4.959414342	1.484512527	0.269976096	4.226235518	6.549943325
6.572052913	7.430458932	5.495536638	1.352089781	0.19006101	2.891958002	6.542977044
9.785628073	10.76291989	8.59087403	1.252831767	0.246879231	2.522875687	9.842553834
8.475851566	9.70027275	6.577127256	1.474849486	0.341745676	4.031992219	8.508935581
6.05214191	8.262236296	4.594331819	1.798354281	0.54943362	9.078333401	6.937524356
9.072468326	10.62427202	7.737654606	1.373061033	0.431227292	4.753141881	9.591073868
9.735882456	10.85936772	7.726937047	1.405390992	0.417532058	4.288589757	9.617525306
5.994650697	8.129483524	3.400733524	2.390508832	0.957849348	15.97840135	4.64260436
6.531593344	7.57455393	5.461520597	1.386894693	0.315754441	4.834263617	6.55092406
7.011189568	8.394848692	5.573473795	1.506214795	0.353837803	5.046758465	6.772266595
5.224990054	5.93368282	1.267326494	4.682047483	0.326149237	6.242102543	5.403990928
7.314091569	8.298601566	6.009795038	1.380846021	0.331626778	4.534080199	7.165000032
7.8124047	8.870279389	6.205340526	1.429458924	0.288560096	3.693614284	7.659225612
6.790266613	8.954596196	3.146678271	2.845729822	0.552961435	8.143442166	6.346248491
3.621004006	7.016880716	2.834776959	2.47528494	0.351702208	9.712836766	3.772631897
5.265169569	10.93357879	2.35799555	4.636810611	1.962140569	37.26642691	6.718575313
6.792995388	7.832924862	5.210791468	1.503212115	0.319450163	4.702640652	6.579693781
4.304064957	5.227473848	3.401058105	1.537013978	0.256446214	5.958232884	4.19960944
4.722659727	9.221026121	2.295448456	4.017091344	0.484991494	10.26945666	4.627415775
6.861735546	7.720442369	5.797161055	1.331762615	0.269816909	3.932196265	6.861739411
7.688286563	11.80898967	6.757989274	1.747411722	0.451239067	5.869175966	7.514886801
8.774895166	9.366283241	8.023404636	1.167370171	0.207308292	2.362515888	9.020330603
7.862313767	8.64976965	7.089321013	1.220112566	0.234464674	2.982133256	8.103893199
8.700820012	9.700912237	7.268684827	1.334617261	0.338986748	3.896032186	9.172349359
11.51584736	13.05826117	8.8711965	1.471984209	0.520437041	4.519311735	10.52677426
5.474399913	9.520034081	3.446704231	2.76206876	0.888693588	16.23362564	5.654763433
5.95456984	7.38886069	4.1633726	1.774729624	0.386209819	6.485939859	5.488711965
5.504072288	6.851434326	4.535224093	1.510715719	0.282813995	5.138268188	5.511007785
9.6985315	12.22258143	8.078931432	1.5128958	0.581161543	5.992263291	10.69513792
4.118911364	6.042108751	-1.740058012	-3.472360524	0.514654616	12.49491845	4.102037043
8.092809991	9.322617917	6.602071694	1.412074626	0.336217106	4.154516251	8.011929083
4.42174246	7.224415734	2.740215788	2.636440446	0.419119943	9.478614978	4.471270284
6.615414122	7.767444352	5.910781748	1.314114559	0.286485359	4.330573318	6.646319158
9.025439676	9.703777813	7.636977813	1.270630615	0.280043699	3.102826115	8.875385939
8.173753149	9.542220576	7.292477364	1.308501912	0.246947454	3.021224759	8.514419618
7.296621822	9.527055013	4.555061481	2.091531597	0.796072996	10.91015837	7.580523999
6.330451499	7.779389275	5.125147847	1.517885826	0.307334938	4.854866012	6.401682212
8.148917567	9.13240392	6.863842398	1.330508976	0.26591259	3.26316456	7.821462047
6.352849419	8.088652754	5.029140779	1.608356797	0.339074833	5.337366125	6.887487336
5.689255187	6.721937926	3.843637926	1.748847851	0.310310953	5.454333531	5.722936253

6.789128465	8.26229691	5.622109354	1.469608005	0.388203449	5.718015958	6.933571687
6.859140699	10.17858451	4.348184507	2.340881462	0.712181218	10.382951	6.052928262
6.062048961	7.570577404	4.557663428	1.661065483	0.282906345	4.666843622	6.329005821
7.148156683	8.011825136	5.488308848	1.45979852	0.369962178	5.175630503	7.083583673
6.774394822	7.654411184	6.124264765	1.249849815	0.223732777	3.302623814	6.909077473
7.666890758	8.373296079	6.70252465	1.24927494	0.253109632	3.301333492	7.513245466
6.098468545	6.926986491	5.064195421	1.367835543	0.279447725	4.582260659	6.333291297
6.792977966	7.861071154	5.901465063	1.332054171	0.301023616	4.431393971	6.867192414
7.464293556	8.460817623	6.253709795	1.352927766	0.303806199	4.070126623	7.881312113
10.32909549	11.6014535	8.572737919	1.353296182	0.470238006	4.552557454	9.709446905
4.798473557	7.938133113	2.841652406	2.793491947	0.468913065	9.772129817	5.76751199
6.973112233	9.821257366	2.840437366	3.457656727	1.219392165	17.48705777	8.096833849
4.717852977	6.186399339	3.828267384	1.615978906	0.300697533	6.373609648	4.893724579
5.82653588	6.512129697	5.101773938	1.276444189	0.241028588	4.136739093	6.234670517
5.252195633	6.881252044	3.658457975	1.880915974	0.471186349	8.971226173	6.300531929
4.496198365	9.520447497	3.463245456	2.748995882	0.494186867	10.99121584	4.329081724
7.46402889	9.217996202	5.818077167	1.584371595	0.415725402	5.56971855	7.010161208
6.536928354	7.630374698	5.737572987	1.329895884	0.263539837	4.031554619	6.477227531
6.05111235	7.416932984	5.024383777	1.476187591	0.260566883	4.306098913	6.048973086
4.815424088	6.046874868	3.175880539	1.903999472	0.393985023	8.181730529	4.836464152
7.590565882	8.324323378	5.669932635	1.468152078	0.281117036	3.703505649	7.715033306
6.035366971	7.079102375	5.043376018	1.403643581	0.276531941	4.581857947	6.733888424
9.92526441	11.06932321	8.338034461	1.327569856	0.402483223	4.055138545	8.376213288
7.680364208	8.406957059	6.548596325	1.283780011	0.300335228	3.910429508	7.267803423
5.479506129	7.747096414	3.283110801	2.359681681	0.523491784	9.553630777	5.966273407
8.30933601	8.962138631	7.463767619	1.200752634	0.218872324	2.634053115	8.417176004
6.602124594	7.280728447	4.586287905	1.587499215	0.297062121	4.499492809	6.643990797
5.751023398	7.340715664	4.534673213	1.61879706	0.48116656	8.366624975	5.882190775
4.206081116	5.211034848	3.634121645	1.433918662	0.217028551	5.159875543	4.140561202
5.153563557	7.847990001	2.819294576	2.783671514	0.742947805	14.41619565	5.3163597
7.926866097	8.681358856	6.807522821	1.275259604	0.266976406	3.367994394	7.841338169
3.426621117	5.112288413	2.675155614	1.911024685	0.259448984	7.571569062	3.332879126
4.06451363	7.011758428	3.129637239	2.240438074	0.343268414	8.44549791	4.059642754
6.177580446	7.683944753	4.758975653	1.614621573	0.365169759	5.91121009	6.126814549
7.165478696	9.277574103	5.284882651	1.755492925	0.486845486	6.794319081	6.901232552
4.354321256	5.996222072	3.182952765	1.883855186	0.293581067	6.742292302	4.476238879
9.300441261	9.867193444	8.094516113	1.218997319	0.267342063	2.874509446	9.272789217
8.507786637	9.436432217	6.978900229	1.35213743	0.350731664	4.122478366	8.291146353
4.766838269	6.654430237	2.728214283	2.43911568	0.383272345	8.040389114	4.610830258
5.312542439	6.993691267	4.241796563	1.64875688	0.344524751	6.485119981	5.190878546
5.801320274	6.671559485	5.014182494	1.330537828	0.265438072	4.575476956	5.618317605
6.480067231	7.632058927	5.435138907	1.404206784	0.325673143	5.025767959	6.683073256
6.284889691	7.508817183	5.276623682	1.423034432	0.314369984	5.001996836	6.15775793
5.815899208	7.104678939	4.76502453	1.491005743	0.276500957	4.754225387	6.27537442
5.895776672	6.553700648	4.814501131	1.361241896	0.181412982	3.076998872	6.072057464
4.586604017	6.168021859	0.835766626	7.380076765	0.461812924	10.06873326	4.56695653
3.810734655	4.779853407	2.976132823	1.606061856	0.218721413	5.739612772	3.820143958

6.837063221	7.909390033	5.750764044	1.375363338	0.309716272	4.529960621	6.689664704
7.059131272	8.749186436	5.737471467	1.524920252	0.378585683	5.363063363	6.887712869
7.451278881	8.17945357	6.277268952	1.303027421	0.266756092	3.580004133	7.628712093
10.04261405	11.29812398	8.857208094	1.275585247	0.318567336	3.172155517	10.06342489
5.857212282	6.973456999	4.894839307	1.42465494	0.23443176	4.002446023	5.744716895
8.027759513	9.150742028	7.093963336	1.289933651	0.262830746	3.274023662	7.841751096
5.1815603	6.377436777	4.09206955	1.558486897	0.279393685	5.392076297	5.570655592
4.398028864	4.901197632	3.453067138	1.419375134	0.171034626	3.888892751	4.446025596
3.891872402	6.251250144	2.599289415	2.404984265	0.3049373	7.835233748	3.864975328
6.325254641	7.175254805	5.086054805	1.410770249	0.260454313	4.117688976	6.162181791
3.989189817	6.925490585	2.916080378	2.374931307	0.573907156	14.38655923	3.964371289
4.11934175	8.193516106	2.20413751	3.717334362	0.49083991	11.91549377	4.087024637
7.793368172	8.987597182	6.70834669	1.339763372	0.338965725	4.34941244	7.76484653
6.104144979	7.189450286	5.301015247	1.356240258	0.216720273	3.550378859	5.928120484
5.572408949	6.387281864	4.921544957	1.297820485	0.237496135	4.262001174	6.000155355
6.779497103	8.383118117	5.076196059	1.651456725	0.387401841	5.714315315	6.349265728
5.502221623	6.395748107	4.250674742	1.504643026	0.281965669	5.124578545	5.529907376
8.097312564	8.867051734	6.8629684	1.29201407	0.293806483	3.628444384	7.983625898
6.988587449	8.867530735	5.321312609	1.666417928	0.523350567	7.488645895	7.407201819
6.539454448	7.523031251	5.038456084	1.493122323	0.313028363	4.786765713	6.225667102
4.885475069	6.16627882	2.645663428	2.330711743	0.441476007	9.036501076	4.590823282
7.382981177	8.484578677	3.133551726	2.707655536	0.439060583	5.946928113	7.526394593
7.020104727	8.323481949	5.880049833	1.415546158	0.281502715	4.009950357	6.626421178
3.807292788	5.268572512	-0.175537145	-30.0140036	0.389843714	10.23939414	3.922868652
7.626213997	8.891049467	5.48235749	1.621756604	0.437104699	5.731608101	7.477061767
6.028359746	8.569140005	4.055291857	2.113076027	0.68984333	11.44330065	5.699668542
6.495167843	8.346639195	4.988439195	1.673196539	0.525249662	8.086775816	6.621481226
6.206713458	9.12601108	3.765809396	2.423386349	0.719658619	11.594842	7.214119887
6.471735202	8.524606618	4.464532237	1.909406443	0.364437376	5.631215815	6.722434297
7.576583608	9.338250744	6.240271302	1.49644948	0.362495043	4.784412887	7.811765728
6.903251281	8.585127499	4.441991341	1.932720449	0.71179437	10.3110019	6.07512883
5.063928998	6.390311635	3.783490863	1.688998828	0.25736169	5.082253126	5.153076244
6.369906437	7.792155877	5.483822373	1.420935134	0.237123398	3.722556993	6.370491387
7.12175459	7.696607621	5.273171597	1.459578449	0.268597547	3.771508046	6.824178616
4.819039713	7.21014432	3.119181923	2.31154979	0.528667599	10.97039308	4.783961077
7.192494216	8.205251086	6.415045291	1.279063625	0.231364281	3.216746153	7.311258023
9.04866263	10.73140875	7.702513992	1.393234567	0.393540431	4.349155747	8.820814743
6.607043858	9.583148496	3.709788815	2.583205938	0.869915118	13.16648015	6.795824204
6.610290558	7.943754109	5.03194951	1.578663318	0.309320325	4.679375627	6.825128737
6.423055911	7.384326362	5.343826362	1.381842497	0.326324157	5.080512472	5.776499108
6.320039404	7.036117058	5.09647788	1.380584243	0.232795613	3.683451926	6.212479686
5.641581801	6.383195864	4.401583693	1.45020436	0.29196	5.175144326	5.568517265
6.349073297	11.27366282	2.696762815	4.180442845	1.890042747	29.76879709	5.665693581
7.257077074	9.184177549	4.975724329	1.845797103	0.90702042	12.49842617	7.978976723
4.835714262	8.232770274	3.601280602	2.286067425	0.396139639	8.191957121	4.910578289
6.544918204	9.203014017	2.962709767	3.106282674	0.526199672	8.039820439	7.01766175
8.277039832	9.703696389	7.290283353	1.331045162	0.287603491	3.474714351	8.473515422

7.088939906	8.338736328	3.352688206	2.487179188	0.311144421	4.389153033	7.35324496
9.967298546	12.50005352	8.395620448	1.488877873	0.391880859	3.93166571	9.721787769
4.97174038	5.893839103	3.794018712	1.553455465	0.241715878	4.861796054	4.964165145
6.087829262	6.728674164	5.553165364	1.211682657	0.205353579	3.373182295	5.965198372
5.8872496	7.519304638	3.576973417	2.102141604	0.537585565	9.13135337	6.130395992
8.920964785	9.890095757	7.700303131	1.284377457	0.259928404	2.913680423	8.950531261
6.001825254	6.916821157	4.957739559	1.395156215	0.231253108	3.853046339	5.862432645
6.170671325	7.120492187	5.543578984	1.284457605	0.225841623	3.659919823	6.240634854
6.539466859	7.764397571	5.953167674	1.304246411	0.219934933	3.363193632	6.555799498
5.338727727	9.115231472	3.821311459	2.38536732	0.527881976	9.887786063	5.403487395
7.742881603	8.718162359	6.808016914	1.280572958	0.253173954	3.269763985	7.838095675
5.679167428	6.73809959	4.789325803	1.406899398	0.289245003	5.09308814	5.840238419
8.160712789	8.940613698	7.177762018	1.24559907	0.258409821	3.16651042	8.071645291
5.977585666	7.196366824	4.115661739	1.748532139	0.318643013	5.330630634	5.953711042
6.567630237	7.260545212	5.763504612	1.259744843	0.223411386	3.401704687	6.765819713
7.155757587	8.109283186	6.38016206	1.271015236	0.269594796	3.767522764	7.257115059
8.345440673	9.741853229	6.90666095	1.410501152	0.299239483	3.585664257	8.53917634
6.041566497	7.911264997	4.245358673	1.863509212	0.406415055	6.726981405	5.889444552
5.430746288	7.182772202	4.084335996	1.758614426	0.402678745	7.414795759	6.235037973
7.51109265	9.443781087	6.442781456	1.465792554	0.328443501	4.372779258	7.507488907
7.746514955	9.932782659	5.778846532	1.718817519	0.417747674	5.392717584	7.265146245
7.62307968	8.874063939	5.300613939	1.674157756	0.380476811	4.991116808	7.498033535
6.688037688	7.760200962	5.891113841	1.31727228	0.251333251	3.757952079	6.978126274
4.824287986	5.662177916	4.066171587	1.392508357	0.219848997	4.557128372	5.159704501
5.728454539	6.470787053	4.844801336	1.335614529	0.216441599	3.778359365	5.981122358
8.552175772	9.490616797	7.534250671	1.259662999	0.245979337	2.87621938	8.500493147
7.859245788	8.592364095	6.549067989	1.311997999	0.235400524	2.995205017	7.908688627
6.212910707	6.994771362	5.553741453	1.259470111	0.186562561	3.002820579	6.357629087
6.667006419	7.488553914	4.938677042	1.516307677	0.268981361	4.034514808	6.683076019
8.263025862	9.21622077	7.161830904	1.286852607	0.295320893	3.57400422	7.951553877
7.111268635	7.980073599	5.787702706	1.378798118	0.29543824	4.154508214	6.925991776
8.204003799	9.307157166	6.476357166	1.437097573	0.354266655	4.31821661	8.343496409
7.665675535	8.345861318	6.70099351	1.245466259	0.236627718	3.086847563	7.798470684
7.559679134	8.567471157	6.305387913	1.358754017	0.321111715	4.247689743	7.867908789
8.772136904	9.742200692	8.013586165	1.215710481	0.234589725	2.674259732	8.79343508
8.220057308	9.209810999	6.916749578	1.331522978	0.276119682	3.359096801	8.157293806
8.694118799	9.904241793	7.706458123	1.285187259	0.294289248	3.384923244	8.306997969
9.00725767	10.11592104	7.267266769	1.391984272	0.409887568	4.550636645	8.944948188
9.076169157	10.05745681	7.971361591	1.261698732	0.327857251	3.612286699	8.703728478
7.452567895	11.80024356	5.258749611	2.24392573	0.746373924	10.01498993	7.926141767
7.167241598	8.066660537	5.873635214	1.373367641	0.363408929	5.070415498	7.629175888
6.95116553	9.536639385	3.790587159	2.515873923	0.900116261	12.9491415	7.920627826
6.263494195	7.191811805	5.019050199	1.432902944	0.302716929	4.833035996	5.911456794
7.02962171	8.303577691	4.852977691	1.711027377	0.367207483	5.223716131	7.550433683
10.11070621	11.77600383	8.925823198	1.319318518	0.277775272	2.747337986	10.28959867
8.690325975	9.61580704	7.105407408	1.353308331	0.311070252	3.579500389	8.633592927
8.685259064	10.68981393	5.553386538	1.92491804	0.823073642	9.476673477	7.772063452

8.202519201	9.621158225	7.222170062	1.332169991	0.324619955	3.957564093	8.209692065
6.007543471	7.024839625	4.631376875	1.516792914	0.267984919	4.460806985	6.138808375
7.601493269	8.484031416	6.563065221	1.292693449	0.325752093	4.285369755	7.995877061
8.162082277	8.756205765	6.961449824	1.257813528	0.235784928	2.888784014	8.190952158
6.303486742	8.397974467	3.382003704	2.483135798	0.576759001	9.149840789	6.980260085
5.951655921	7.533061303	3.906294335	1.928441806	0.325342994	5.466428143	5.92235149
7.519733666	8.621572631	6.285756336	1.371604652	0.266500439	3.54401434	7.553908081
8.407099949	9.502753099	7.084183381	1.341404166	0.331034725	3.937561433	8.566716902
6.821773036	8.251987034	4.047559063	2.038756422	0.30302076	4.441964837	6.744983678
8.098529702	8.775757	7.128133513	1.231143747	0.242519593	2.994612632	8.297470221
4.469928527	7.043495923	2.894395391	2.433494728	0.389967284	8.724239807	4.430940102
7.344691206	8.223516269	6.575626982	1.250605652	0.224736435	3.059848648	7.355195911
4.940736607	7.685593977	3.555930745	2.161345237	0.404623638	8.189540751	5.155149847
6.670541946	7.62211907	5.81791907	1.31011088	0.324164965	4.859649598	6.368141023
5.757900406	7.732694938	2.532809128	3.05301132	0.778569732	13.52176449	4.447770654
4.957892313	6.637729837	3.565903465	1.861444064	0.366702527	7.396339086	6.296572616
4.915364399	7.257388875	3.757455656	1.931463613	0.477231018	9.708965179	5.50974457
5.668988108	6.93500682	4.770374636	1.453765658	0.268097892	4.729201881	5.657421564
4.165116738	5.786962448	3.406292624	1.698903496	0.290515807	6.974973937	4.528518158
6.290415169	8.524957832	4.641667151	1.836615499	0.632162708	10.0496182	7.478340781
6.126780022	6.767031113	5.397717921	1.253683726	0.172577727	2.816776937	6.047689715
5.210095687	9.724675837	3.0307896	3.208627823	1.441608609	27.66952271	4.807804864
9.138174904	10.2468582	7.695449891	1.331547648	0.319232648	3.493396127	9.545236782
6.535507483	7.842841774	3.72350042	2.10630882	0.5960643	9.120398093	7.161707865
5.330078385	5.991939752	4.712054857	1.271619269	0.182308449	3.420370884	5.355705282
7.60122968	8.84552222	6.042504519	1.463883427	0.338756852	4.456605922	7.786639026
5.763152885	7.351778036	4.844196189	1.517646633	0.372541003	6.464187401	5.633894083
5.715790587	7.919491173	3.437516962	2.303840609	0.406276372	7.107964612	5.591311797
6.107473288	6.962881365	4.945526433	1.407915104	0.226817397	3.713768133	6.394855058
4.055677788	5.318305325	3.272950331	1.624926989	0.261832126	6.455940031	4.214869185
4.712991306	7.821149171	3.47837024	2.248509684	0.466535987	9.898935862	4.968873274
8.889564974	10.23243126	7.060831265	1.449182239	0.476166814	5.356469242	9.598304267
9.063903922	10.45916931	3.915930588	2.670928169	0.473786815	5.22718267	8.955410239
6.068657608	10.32848655	4.24632254	2.432336793	1.013338535	16.69790257	6.34950049
6.667777193	7.439973771	5.633705683	1.320618113	0.272089349	4.080660488	6.522048293
7.458422636	9.0478944	5.949749709	1.520718491	0.286361339	3.839435674	7.674065428
4.519074851	5.798763008	3.001336905	1.932060009	0.289850016	6.413923766	4.627713693
6.633972316	8.040055663	4.885155663	1.645813607	0.39331882	5.928858323	6.533433671
7.895308439	9.062645521	6.507839693	1.392573565	0.31313266	3.966059874	8.418590615
7.196958478	8.931877764	4.813536306	1.855575028	0.424402985	5.896976987	7.43708697
6.858377521	7.815639883	4.920664555	1.588330153	0.308391491	4.496566282	6.755439267
6.457882612	8.014032171	5.13023204	1.562118849	0.315502078	4.88553443	6.440107849
4.014177591	5.011776377	3.001079551	1.669991179	0.247999936	6.178100743	4.020526404
5.53214213	6.439664934	4.675330808	1.377370971	0.247689332	4.477277089	5.645333934
5.613503108	6.370844912	4.780857295	1.332573745	0.183245563	3.26437092	5.513917375
4.934502565	10.18818573	2.852382813	3.571815704	1.247396666	25.27907625	4.236891388
5.705739694	6.650778067	4.771703067	1.393795459	0.282349128	4.948510495	5.648068189

3.892047719	4.972731647	3.183033125	1.562261984	0.220227634	5.658400164	4.057662672
5.635532274	6.776090708	4.868849087	1.391723298	0.311993589	5.536186719	5.691963669
5.878350125	9.275338302	4.586463302	2.022329122	0.596050081	10.13975126	7.725630559
6.808117441	8.924524897	3.467433627	2.573812755	0.555977154	8.166386063	7.212132704
6.985284199	7.717170501	6.100977036	1.264907318	0.271400408	3.885316614	6.419718306
5.482431741	8.52888873	1.421454271	6.000114746	0.741225887	13.52002034	4.778865482
7.414756587	8.353551348	4.964558588	1.682637278	0.334510639	4.511417674	7.216025302
7.645595163	9.80058437	2.366351612	4.141643329	0.586406117	7.669855703	7.178206731
7.022895917	7.801106777	6.157487225	1.266930241	0.282391904	4.021017927	7.467822258
3.839740977	6.82709926	1.567124466	4.356449924	0.348353454	9.072316494	3.846967448
4.779843841	7.402171232	1.828473398	4.048279423	0.894729848	18.71880918	4.668959541
4.840012039	6.759908731	0.2059573	32.82189424	0.519085986	10.7248904	4.688440922
4.475259791	5.922518738	3.20492393	1.847943623	0.27631683	6.174319325	4.908505852
6.900385084	7.863946762	5.915060725	1.329478619	0.25242319	3.658102941	6.86042613
7.847191197	8.478282957	7.033766491	1.20536884	0.192623205	2.4546771	7.857227222
6.885810047	9.250054337	5.29618767	1.746549577	0.593037759	8.612461788	7.011051212
6.026343506	9.96829161	3.439204468	2.898429478	0.986788942	16.37458835	6.391882842
6.233742061	7.299302178	2.329202384	3.1338205	0.34162266	5.480218089	6.207402739
6.497503282	7.224421258	5.854488104	1.233997086	0.217468506	3.346954917	6.449877666
7.797043536	10.51335198	4.46525739	2.354478378	0.932758054	11.96297095	7.484636161
5.675996394	7.352809211	4.409140384	1.667628737	0.341261998	6.012371645	5.524804744
7.967126783	8.686829366	6.490138527	1.33846594	0.252548721	3.169884547	7.86650468
6.056334574	6.769781185	5.325401711	1.271224511	0.246549305	4.070932713	5.881820073
6.835745306	7.552561623	4.885510107	1.545910552	0.328307676	4.802807324	6.805617755
5.735445726	6.753932594	4.393682108	1.537191911	0.248681669	4.335873453	5.773001249
7.441036149	9.698691129	4.838434628	2.00451011	0.753597216	10.12758439	7.965977173
6.539418576	8.636010912	5.33470285	1.618836354	0.47333162	7.238130034	6.87639059
6.353431452	7.15769372	5.6329992	1.270671886	0.205968598	3.241848127	6.652263862
4.300367471	8.330986923	1.685600096	4.942445685	0.439052716	10.20965577	4.184244854
4.171264611	5.596356138	3.385078006	1.653242888	0.275926738	6.614942087	4.266243241
6.058106036	7.0552741	5.076269696	1.389854071	0.358616198	5.919609128	5.741755199
6.252696511	7.69351927	4.888025343	1.57395241	0.473212102	7.568128429	6.4043731
7.833300951	8.809958677	6.817625018	1.292232802	0.236251853	3.015993572	7.978871065
8.073069116	8.874631817	7.231231817	1.227264184	0.238560037	2.95501046	8.336216556
7.545332082	8.297329255	6.761488042	1.227145445	0.271067649	3.592521132	6.953152308
7.111529478	8.709839376	5.101427553	1.707333739	0.428917066	6.031291408	6.314799141
6.680144409	10.26961526	4.690086512	2.189643034	0.870601151	13.03266962	7.407230425
7.531172991	8.25370468	6.613539298	1.248001155	0.237908721	3.158986278	7.350147492
5.40129576	6.487385501	4.791280204	1.353998352	0.232549056	4.305430888	5.169871762
4.707459448	6.464966229	3.848587691	1.679828225	0.271697973	5.77164766	4.543334801
6.414364762	8.423288636	4.537788636	1.856254073	0.547768129	8.539709685	6.357469309
7.501864676	8.813160257	6.073507141	1.451082555	0.333815852	4.449771709	7.819057166
6.835957085	7.656870084	5.314610035	1.440720962	0.312887106	4.577078267	6.14385338
6.344526508	7.315756838	5.546246607	1.319046439	0.210322147	3.315017225	6.119494118
4.118024916	6.062557518	2.295293853	2.64129907	0.351121228	8.52644739	4.081969169
6.621956812	7.93670381	5.723367719	1.386719183	0.248650341	3.754937527	6.533131892
4.122298476	5.168316553	2.938947487	1.758560361	0.257021461	6.23490664	5.065091531

7.542908494	9.495201338	3.642556716	2.606740836	0.733165586	9.719932133	5.933177342
7.760471874	8.514671915	6.574955724	1.295015856	0.259373753	3.342242028	7.872658596
6.201398809	8.253154476	5.259704913	1.569128803	0.25368026	4.090694185	6.082903793
3.814618924	5.204464352	1.007698517	5.164703793	0.310685712	8.14460679	3.845716665
6.583107256	7.444204709	5.58734586	1.332332899	0.293760651	4.462340339	7.027301229
5.370694065	7.803200663	3.303220385	2.362300952	0.614931502	11.44975852	5.275038108
6.403580168	7.898653597	5.596069584	1.411464507	0.291262576	4.548433348	6.498569196
7.222259985	7.963904859	6.255573977	1.27308939	0.251095466	3.47668828	7.082143797
4.805966633	6.897817243	3.74459139	1.842074748	0.268204763	5.580662195	4.677414902
5.200230967	6.252697999	4.478861831	1.396046191	0.205194734	3.945877314	5.3812726
6.598781461	7.319136525	4.898519515	1.494152775	0.289404136	4.385720871	6.539382461
4.936171122	6.170579448	4.136881444	1.491601713	0.234992251	4.760618009	4.874006713
6.386290231	7.054878169	4.344135215	1.624000594	0.266940946	4.179906275	6.393079803
4.092938462	12.65927882	2.873087369	4.406158668	1.461389472	35.70514156	4.282459405
3.890960656	5.740421067	3.164034905	1.814272358	0.234751102	6.033242752	3.914325905
5.506377	6.852925353	4.467110486	1.534084589	0.289286514	5.253663415	5.944514517
6.766915805	7.706452158	5.004524959	1.539896838	0.283533038	4.189989151	6.537323693
4.812327098	7.088111064	3.710933415	1.910061505	0.430508123	8.945944733	5.231592791
6.472713402	7.287395539	5.288352049	1.378008777	0.301961747	4.665149352	6.331770884
7.19201573	8.375523046	6.346627363	1.319680921	0.345999655	4.810885687	7.103015254
5.994534933	8.56558221	4.610360243	1.85789868	0.532942924	8.89047992	6.422057833
10.91534446	11.69176729	9.954634105	1.174504976	0.278271028	2.54935636	10.96888438
4.7468516	5.710727459	2.774740415	2.058112329	0.237169506	4.996353924	5.066609643
7.471022018	8.921716867	6.074067178	1.468820908	0.373784935	5.003129878	7.096808331
6.179000069	7.335460021	5.169254976	1.419055561	0.278633308	4.509359199	6.131567927
6.656030843	7.793614138	5.731934867	1.359682955	0.279919087	4.20549564	6.902592177
8.484358403	9.832475061	5.356967465	1.835455437	0.436461805	5.144311266	8.849814308
7.829691612	8.446431805	6.955823112	1.214296521	0.268824006	3.433392012	7.644330965
6.248081673	11.96618661	4.510195485	2.653141455	0.605656813	9.693484247	6.313206059
4.531896662	5.960552731	3.840985802	1.55182889	0.239576123	5.286442768	4.608217423
4.493586475	7.794410374	1.722205608	4.525830329	0.387348836	8.620037437	4.707912073
5.06677989	6.422591048	3.287039672	1.953913457	0.272837191	5.384824225	5.156252923
7.071896076	8.411686831	5.47037265	1.53768077	0.434295421	6.141145401	6.517687771
8.463209888	9.70776482	7.190677404	1.350048719	0.35845452	4.235444056	8.426259368
5.768833796	8.375279506	4.312145031	1.942253669	0.526586708	9.128131029	6.090955766
8.259457995	10.69732476	6.693667437	1.598126118	0.448445552	5.429479177	8.311922862
4.875436658	7.872883026	3.459147669	2.275960375	0.662421869	13.58692391	5.172694517
5.41699996	7.085342013	4.515720068	1.569039247	0.237946757	4.392592917	5.515291249
4.98471874	5.845343842	3.751186496	1.558265325	0.280948383	5.636193281	5.282288781
3.918616467	5.94244469	2.940527247	2.020877275	0.363427251	9.274376657	3.907223614
6.595764418	7.429911579	5.08663771	1.460672453	0.236142078	3.580207892	6.520056323
7.640174982	8.777262354	6.409498388	1.369414863	0.342983286	4.489207205	7.625056703
5.122324593	7.078590518	3.516790518	2.012798454	0.468039586	9.137249649	5.898080267
6.651317695	7.199774035	4.896622773	1.470355052	0.263033207	3.954602963	6.681893465
7.511831631	8.356795005	5.989516652	1.39523696	0.253334879	3.372478133	7.583455997
7.832694267	9.099227304	6.895093971	1.319666903	0.309150649	3.946926031	8.018265485
5.914202292	7.386359674	4.480445514	1.648577056	0.392385117	6.634624542	6.079569008

9.645444691	10.48805936	8.103088734	1.294328583	0.290641716	3.013253671	9.687443424
6.081409634	7.264486636	4.948231083	1.468097693	0.360948292	5.935273467	6.885501229
5.873211054	6.462718847	4.925191105	1.312176261	0.24799846	4.222536144	5.998061562
7.285575591	8.393566637	6.197184561	1.354416115	0.310486729	4.261663686	7.025054183
7.202475785	9.466675464	6.2993877	1.502792956	0.360448598	5.004509679	7.431733022
6.469578747	7.974667597	4.609897755	1.729901187	0.348102489	5.380605173	6.32070154
9.894610497	10.57495853	9.170836826	1.153107261	0.194834666	1.969098892	9.756659999
6.053111968	7.924616071	5.278924244	1.501180109	0.204454453	3.377675054	6.069016738
7.56385246	8.722288087	6.480694091	1.345887951	0.32248279	4.263472772	7.797647941
4.060776528	7.905877763	1.828071717	4.324708757	0.470691695	11.59117454	3.972706121
8.787745279	10.20840351	7.392955495	1.380828482	0.370580947	4.217019671	8.528601007
6.527505071	8.495573041	5.226489707	1.625483549	0.585687282	8.972605546	7.082382911
7.130030605	8.660670554	5.901624767	1.467506135	0.32411614	4.545788909	7.508756969
9.853025929	10.95934863	8.230539725	1.331546776	0.341834574	3.469335981	9.470315802
5.996487908	8.062171405	4.621222283	1.744597189	0.343067551	5.721141375	5.794300862
9.177574727	11.11619089	6.780551874	1.639422733	0.59597913	6.493863003	8.901029986
6.103775428	7.535442719	5.543842787	1.359245384	0.242749767	3.97704289	5.96564741
4.256061826	6.444139429	3.252526188	1.981272112	0.569054615	13.37044993	4.979638537
7.01747667	7.921538925	5.277135023	1.501105977	0.422053473	6.014319579	7.493853737
6.326963887	7.386044725	4.798102628	1.539367808	0.358766758	5.670441054	6.154485608
5.926200931	10.27193461	4.688909615	2.190687272	0.511624132	8.633256587	5.95295242
5.40385138	6.657280539	3.859174666	1.725052923	0.324950631	6.013315471	5.435878933
7.715791612	9.767753885	5.119878885	1.90780956	0.599567638	7.770656182	7.798468071
4.972841539	8.483311631	3.04443269	2.78649998	0.653925888	13.1499442	5.028346463
7.981263758	8.871172222	6.549200617	1.354542751	0.250038377	3.132816861	8.053407092
8.611952656	9.709363283	7.009543415	1.385163442	0.294395276	3.418449772	8.742696247
8.351086725	9.164697345	6.791079275	1.349520006	0.277095608	3.318078444	8.023526133
5.391693109	6.083148867	4.473340676	1.359867112	0.260393604	4.829533121	5.275978345
6.637049366	7.635123526	5.608951823	1.361238921	0.351413006	5.294717378	6.284702566
6.715416458	8.714866388	3.885666388	2.242824143	0.599447388	8.926436526	6.688493646
5.758875124	7.156835681	4.462970701	1.603603555	0.363298492	6.308497471	5.330247034
7.403849066	8.780182134	6.693945815	1.311660174	0.275846913	3.725723075	7.115657179
6.349440679	7.108024621	4.998813939	1.421942226	0.311014078	4.898290952	6.539429459
7.494920748	8.864220964	6.053469661	1.464320705	0.404307363	5.39441812	7.048183022
4.272990655	5.773939686	3.145843667	1.835418507	0.27760234	6.496675559	4.288861444
5.292649422	6.721048564	3.956447715	1.698758343	0.336571608	6.359227326	5.485620867
5.569746794	7.18920622	4.747323843	1.514370297	0.291570874	5.234903581	5.109358859
7.146444418	8.189213973	6.506728741	1.258576206	0.241192864	3.37500511	7.260569313
4.995194367	5.814088222	3.883437315	1.497150012	0.238116148	4.766904567	5.13300164
5.216226912	7.303750747	-0.218561702	-33.41734025	0.448582695	8.599754234	5.131160516
4.237613815	5.554995028	2.990250951	1.857701952	0.252580466	5.960440879	4.79877873
8.035228012	9.473070383	7.102107967	1.333839253	0.364244535	4.53309519	8.752540905
4.670803538	5.282709229	4.035379986	1.309098337	0.191047618	4.090251634	4.709654958
6.555379454	7.45403933	5.598413083	1.331455757	0.281960984	4.301215298	6.39639875
7.203493133	7.796652608	6.501029969	1.19929498	0.224803035	3.120750316	7.025968068
3.788047123	5.465189245	-0.736424373	-7.421249816	0.404732065	10.6844517	3.787215164
5.800105272	7.062438619	4.897769859	1.441970289	0.272686739	4.701410161	5.598129664

5.64724149	6.561307304	4.962852569	1.322083864	0.25793002	4.567363022	5.2529033
7.347468042	8.737417498	5.903336847	1.480081135	0.343282139	4.672114767	7.383340015
3.811454114	8.151831387	2.298088838	3.547222045	0.621825897	16.31466307	3.704382372
9.251601798	9.962660931	7.801360931	1.277041406	0.297785998	3.218750702	9.335574345
5.056613662	7.394356864	3.958323045	1.868052905	0.518463887	10.25318369	6.030954869
4.459968348	6.06419773	2.625399897	2.309818682	0.437774887	9.815650093	4.11075416
6.679176212	8.4859528	4.091772682	2.073906216	0.456184172	6.829946647	5.789505546
5.932057116	7.40069108	4.654625084	1.589965023	0.382794588	6.452982161	5.832744306
6.063275021	7.399203856	4.711728777	1.570379834	0.297041641	4.899029656	5.864536128
8.131440008	9.566777614	6.367803418	1.502366984	0.297470452	3.658275182	7.867211448
6.375724931	7.545983573	5.280106134	1.429134828	0.306469619	4.806819971	6.446116152
7.208034519	8.74361785	4.967494958	1.760166427	0.535065036	7.423175268	6.469928926
8.389862944	9.400664492	7.366902967	1.27606737	0.349979599	4.171457887	8.304178974
5.699182381	6.664049145	5.087135942	1.309980551	0.198403735	3.481266635	5.540614418
5.525174351	6.754334232	4.389460407	1.538761854	0.39454825	7.140919452	6.030752268
6.927789296	7.705970485	6.101770485	1.262907299	0.256736595	3.70589497	7.003199421
6.917542003	8.696881721	5.824962647	1.493036479	0.381708174	5.517974065	6.964123952
5.780313537	7.472637184	4.82788376	1.547808016	0.282300597	4.883828444	5.782292236
4.321447462	5.464757354	3.375551878	1.618922639	0.265515209	6.144126738	4.71291133
6.962397005	7.936475669	5.617080371	1.412918304	0.289958908	4.16464198	6.421571912
6.189181305	7.214374276	4.839772486	1.490643268	0.306479558	4.951859437	6.115576177
4.402100005	5.721188384	3.386787564	1.689266975	0.287896871	6.539989345	4.471699842
6.051397574	7.854854846	4.931597476	1.59276074	0.33806349	5.586535774	6.143659743
5.655084757	7.056203916	4.872203454	1.448257238	0.316672352	5.599780827	5.716549357
5.791374015	7.129702633	4.157690272	1.714822934	0.283094834	4.888215363	5.889593954
7.061169937	8.473231245	5.143381112	1.6474049	0.331847231	4.699606919	6.391295823
7.187947211	8.649482516	6.09325243	1.419518166	0.387024823	5.384358165	7.221001481
5.873070576	7.337743511	4.760048881	1.541526924	0.297791017	5.070448459	6.125524675
6.997077914	7.645853964	6.237970631	1.22569573	0.237386159	3.392647076	6.677978683
6.520553947	7.392911583	4.919913916	1.502650597	0.289158138	4.434563993	6.49616961
8.707439096	9.744715402	7.27815956	1.338898292	0.276795192	3.178835812	8.382764256
6.218055875	7.261701049	5.022651049	1.445790476	0.30042834	4.831547768	6.071369387
6.650751352	8.2404334	5.487038498	1.501799815	0.347776794	5.229135406	6.991957451
8.121015748	8.871839604	6.741064757	1.316088767	0.266649279	3.283447385	8.059836091
4.432707959	7.728714563	1.329614768	5.812747231	1.057584172	23.85864761	4.507676412
7.285833153	8.348311852	6.248281366	1.336097298	0.277746555	3.812145428	7.414569443
7.504896263	9.626842864	4.653483868	2.068738849	0.530526571	7.069072674	7.929911874
8.622742897	9.47178873	7.15387227	1.324008645	0.288792901	3.349199952	8.807282106
7.65809311	8.898056242	6.077718548	1.464045459	0.340115422	4.44125473	7.882544396
5.062658151	5.884022195	3.750981743	1.568661913	0.275908444	5.449873079	5.061810477
4.858714988	8.511673322	3.324241851	2.560485579	0.749922631	15.4345878	4.758586823
7.23557459	8.061323313	6.431455836	1.253421234	0.220910995	3.053123039	7.041525414
6.119463996	7.572278208	5.014766735	1.509996099	0.278879756	4.557257894	5.925156096
8.552150408	9.797046681	7.553146681	1.297081481	0.286494345	3.349968505	8.470036456
7.697235036	8.561881715	6.926902636	1.236033212	0.285216774	3.705444524	7.288914397
6.836794425	7.327187421	6.293862421	1.164179788	0.185427975	2.712206381	6.718647323
7.157275276	8.747408352	6.173548946	1.416917308	0.281972917	3.939668465	7.127916526

6.367058521	8.208128771	4.971323059	1.651095427	0.396852107	6.232895545	6.851876037
7.770558712	9.414658137	6.657816276	1.414075989	0.350504854	4.510677632	7.522037146
8.114179385	8.663874427	7.4820839	1.157949382	0.193759375	2.38791091	8.263548454
4.696173617	6.918752405	3.292455708	2.101395742	0.461376536	9.824520427	4.140890749
4.185147163	9.678659026	2.81842353	3.434068345	0.844697085	20.18321105	5.81697861
5.002443439	5.66686199	4.358363058	1.300227153	0.208347491	4.164914472	4.908137869
7.621133883	9.206640985	6.329662534	1.454523197	0.289144863	3.793987452	7.985769144
5.698919453	6.427403384	4.216601288	1.524309022	0.263243418	4.619181236	5.754134913
5.374195231	8.174654648	2.465266767	3.315931061	0.645525598	12.01157699	7.158396836
6.629669859	7.651213146	5.456134937	1.402313769	0.311047802	4.691754012	6.640217841
7.111409554	7.953326097	6.335626097	1.255333881	0.236426152	3.32460323	6.597919589
7.586322009	8.362277925	6.959571811	1.201550634	0.193573226	2.551608356	7.483333678
6.495823775	7.772524708	5.329002106	1.458532865	0.389238824	5.992139531	6.181258417
5.850170338	6.905176237	3.968759962	1.739882559	0.350584428	5.992721717	5.917175545
4.23712003	5.424832451	3.383439349	1.603348514	0.279629898	6.599527412	4.135769521
6.050625892	6.875714155	4.85675011	1.415702682	0.215412934	3.560176053	6.423988457
7.38988746	8.402437639	6.192536325	1.356865297	0.272804643	3.691594018	7.186122015
4.0154526	8.280169104	2.519384284	3.286584408	0.388214215	9.668006426	3.874869583
5.863598757	6.532628443	5.046947965	1.294372062	0.216269686	3.688343889	6.001661607
7.608724321	9.023014989	6.620918526	1.362804112	0.283298397	3.723336329	7.436468633
5.359217652	6.661237087	4.540863013	1.466953984	0.322795927	6.023191211	5.416384271
4.614410274	6.020929984	3.61643626	1.664879332	0.358759698	7.774768093	4.147325346
6.408126986	7.36912869	5.249757374	1.403708431	0.291058331	4.542018783	6.180437274
6.590484349	8.323471026	5.256725667	1.583394598	0.339519528	5.151662767	6.61531774
4.304061252	6.341135544	2.453341281	2.584693615	0.527792121	12.26265358	4.073994142
6.776027749	8.334195404	5.31496739	1.568061437	0.333467309	4.921280159	6.497442349
6.974643242	8.996155525	5.956312796	1.510356463	0.296769044	4.254970958	7.171101579
7.048890904	7.786700859	5.745504146	1.355268513	0.298298594	4.231851482	6.768802447
7.419066808	8.469475235	6.242625592	1.356716835	0.335987299	4.528700278	6.965233406
6.957923837	8.028064415	6.036734928	1.329868631	0.216855937	3.11667593	6.957550411
8.212692134	9.405889829	6.181676523	1.521575869	0.439408187	5.350355036	8.095932711
6.011095018	7.287924923	5.148789354	1.415463796	0.282965885	4.707393318	5.92540391
4.498378152	6.280802212	3.452054201	1.819439049	0.382592191	8.505114032	4.883837663
7.689256651	8.437593148	6.952380491	1.213626492	0.245435385	3.19192603	7.712370106
6.079937268	7.185628629	3.63894485	1.974646203	0.294619697	4.845768703	5.95779648
7.128829885	8.061440204	5.19683733	1.551220424	0.312345422	4.381440254	7.215429074
5.819650023	6.63081533	4.482874553	1.479143628	0.257464332	4.424051801	5.403431131
5.630242691	8.106736533	3.568425601	2.271796428	0.523161797	9.291993717	5.660775437
5.8154481	7.036900322	5.034121309	1.397840832	0.262457517	4.513109093	5.602493483
4.65166718	5.993769633	3.87340745	1.547415218	0.361473604	7.770839785	4.786422572
6.523752396	7.164016746	5.34787435	1.339600798	0.222188152	3.405833621	6.297374732
6.510437582	7.301194981	5.421973058	1.34659374	0.289452906	4.445982346	6.371214931
3.46309635	4.460748412	1.292777312	3.450515701	0.220472448	6.366338845	3.467835965
6.397411294	8.035511948	3.925245281	2.047136261	0.660181207	10.31950544	5.449515853
4.960225731	6.752231855	3.407294724	1.981698797	0.373739096	7.534719517	5.227312485
5.273471765	5.941957307	4.680752798	1.269444801	0.174054937	3.30057588	5.229287061
7.257760324	8.793973808	4.906049974	1.792475383	0.409685052	5.644786185	6.927151455

5.957264209	7.598685298	4.877418632	1.557931741	0.362708146	6.088501922	6.12075781
5.865745798	6.921276109	5.157048878	1.342100157	0.230870769	3.935915011	5.7327606
6.692693422	8.074478073	5.710285686	1.414023486	0.266446253	3.98115133	6.667342968
6.076009346	7.307953417	5.090903417	1.43549245	0.263658546	4.339337407	5.69909104
7.576802837	8.32177846	6.925516353	1.201611264	0.186048056	2.455495549	7.432967075
6.795907593	8.014248473	6.085148473	1.317017737	0.281032966	4.13532647	6.350486869
6.443204432	7.375774705	5.28783203	1.39485798	0.271110944	4.207703581	6.535194502
6.253654354	7.277189489	5.507552204	1.321311032	0.225943071	3.612976645	6.373737052
5.214943138	6.394417606	4.231425558	1.511173367	0.307667795	5.899734408	4.888276252
7.092373241	7.849156248	6.210364418	1.26388014	0.22363285	3.153145539	7.115135671
6.709775152	7.940294797	5.662199846	1.402333901	0.286655811	4.272211885	6.472630462
4.171195942	4.912237468	3.526317306	1.393021967	0.181842882	4.359490295	4.207349772
7.364849578	8.576859739	5.813048674	1.475449496	0.369429835	5.016121932	7.221505255
6.869427095	7.981524736	5.768127071	1.383729006	0.254512025	3.704996379	7.035746197
8.242587242	9.389173863	7.079687258	1.326213083	0.3527887	4.280072376	8.175444473
6.20780347	6.891504748	5.265604748	1.308777449	0.228432403	3.679762163	6.1257779
5.26145868	6.04840901	4.216079621	1.434605025	0.233840663	4.444407468	5.19535179
5.389985585	6.463103888	4.46909741	1.446176553	0.268411805	4.979824164	5.252258869
6.9892885	7.819060045	5.680960045	1.376362443	0.310656683	4.444754042	7.231394334
5.780452274	6.770141015	4.625825587	1.463553022	0.288196671	4.985711451	5.74762217
5.131943711	6.454522128	3.669191588	1.759112865	0.342397651	6.671890226	4.820368995
5.96795028	10.09285382	3.710258093	2.720256534	0.803887131	13.47007085	5.848757781
6.015509294	8.831579219	4.255794813	2.07518915	0.501320923	8.333806806	5.817760961
6.08818162	6.774352586	5.16417302	1.311798145	0.210562767	3.458549373	5.869034818
5.104609527	7.140695185	4.376192507	1.631714138	0.288694586	5.655566492	5.317465574
5.290756057	6.068207291	4.547264021	1.33447437	0.181523835	3.430962107	5.364760835
6.190110053	7.635558883	1.533815705	4.97814624	0.380035847	6.139403726	6.192610674
6.408244048	7.450670342	4.766289463	1.563201396	0.288246982	4.498064984	6.240944969
3.322796412	5.070880858	2.257032174	2.246702957	0.295186778	8.883685337	3.262457573
5.836677961	6.931628957	4.097563066	1.69164668	0.25852962	4.42939668	5.967975252
3.995834139	5.714065581	3.124355247	1.828878322	0.275040533	6.883181923	3.923585021
6.152636397	7.134841487	5.524466487	1.291498736	0.196880786	3.199941833	6.072836066
4.430116659	6.843082922	-5.185544689	-1.319645926	0.704699091	15.90700098	4.517296102
6.549452098	7.556173444	5.246483961	1.440235689	0.305266191	4.660942416	6.398224809
6.862665994	8.046059157	5.082576313	1.583067063	0.366948164	5.347020601	6.493185426
6.068531708	7.306704319	5.241051628	1.39412943	0.267918546	4.414882532	5.835183291
4.560712907	5.644387641	3.323129487	1.69851571	0.274568833	6.020305121	4.405360561
7.576069461	8.47614493	6.124516359	1.383969677	0.340049479	4.488468344	7.259138399
6.760204333	7.808242052	5.809076037	1.344145265	0.246881337	3.651980395	6.64753696
5.858410423	6.848400365	4.619268126	1.482572602	0.254826152	4.349749056	5.9054276
6.711972711	8.062983719	5.37788616	1.499284938	0.314830352	4.690578542	6.682504465
7.448742255	8.859106921	6.257872163	1.415674001	0.410728942	5.514071067	7.23205893
5.184935907	6.95553435	3.704013854	1.877837024	0.474575662	9.152970652	4.99687195
6.911518657	8.046699441	5.388699441	1.493254454	0.397442294	5.750433639	6.986357351
7.200319302	8.371047673	6.269300955	1.33524419	0.296888068	4.123262532	7.011374681
6.740474553	7.850884628	5.670072228	1.384618099	0.243554904	3.613319835	6.624650179
5.981632283	7.00205126	4.815943787	1.453931269	0.283694405	4.742759027	5.99705942

5.161832902	5.935161228	3.522470677	1.684942693	0.240506222	4.659318251	5.071013216
5.92925687	7.149282334	4.509454649	1.585398433	0.286611533	4.833852521	5.754809259
5.895703782	8.057702682	3.870412247	2.081871948	0.69462507	11.78188552	6.581684505
6.146966545	7.308926308	4.692414828	1.557604469	0.327492602	5.327710828	6.043840346
4.530816355	6.646936851	3.655360276	1.818408132	0.300119627	6.623963619	4.434743924
5.88532153	6.827786071	4.698802131	1.453090784	0.287219416	4.880267199	5.972800854
5.741720068	7.045433269	4.764321322	1.478790533	0.268449703	4.675423049	5.707445261
6.371750674	8.618341982	5.062842936	1.702273227	0.340219585	5.339499344	6.403346721
6.750881007	7.624319717	6.02278878	1.265911855	0.264923802	3.924284868	6.806816701
4.913859342	6.425393018	3.734161915	1.720705519	0.371750909	7.565355108	5.01836425
5.729140431	6.573389448	4.844913366	1.356760989	0.265943984	4.641952606	5.646954077
6.874985442	7.606635456	5.929752881	1.282791308	0.275549886	4.008006822	6.775369288
6.514366898	7.237131842	5.66303823	1.277959206	0.24667077	3.7865655	6.350325381
5.474531962	7.463066661	4.301149316	1.735133127	0.528027479	9.645162049	6.031049838
6.000199612	8.110370591	4.438970591	1.82708365	0.444887815	7.414550248	6.149966905
6.522808785	7.281309092	5.487736943	1.326832749	0.289494865	4.438193347	6.256291446
5.462435064	6.594118116	3.781859973	1.743617734	0.253326787	4.637616445	5.43433405
5.982253092	7.12635277	5.054297473	1.409959111	0.227567742	3.804047385	5.967795278
7.045166365	8.284906555	5.957506555	1.390666796	0.268659276	3.813384415	6.941496693
6.468247874	7.33524152	5.658126777	1.296408124	0.231220717	3.574704027	6.683994777
9.297615235	10.42642691	7.797885815	1.337083814	0.361779276	3.891097522	8.932598133
6.788366501	8.395607584	6.003551343	1.398440207	0.22612935	3.331130552	6.680856362
6.118146042	7.489841286	4.563102626	1.64139225	0.277541402	4.536364454	6.214454983
6.442258886	8.387002626	5.470058329	1.533256525	0.339018344	5.262414157	6.969926733
8.321544475	9.586425592	6.499566986	1.474932963	0.47167501	5.668118595	7.269770736
7.049704119	7.74669823	6.259310189	1.237628109	0.226295473	3.209999589	7.019622008
7.552506911	9.079469029	3.757001969	2.416679337	0.371799428	4.922861146	7.844697308
6.689644907	7.788462588	5.869409096	1.326958551	0.301494991	4.506890806	6.816992283
6.089001526	7.874619627	4.995550933	1.576326562	0.339343344	5.573054021	5.960065379
6.353607634	10.67890973	4.160768401	2.566571532	1.344510933	21.16137808	5.187174838
7.596203462	9.685886022	4.66664	2.075558865	0.472843266	6.224731451	8.070557108
6.992365483	8.338829176	5.546983352	1.503308852	0.360886476	5.161150063	6.838023867
6.282075551	7.266422122	5.659992631	1.283821834	0.240588542	3.829761995	6.256240963
5.810365166	7.473647851	4.443491958	1.68193122	0.296179638	5.097435868	6.077454989
6.087714895	7.719736154	4.587159313	1.682901253	0.397453964	6.528787413	5.756526346
7.72039606	8.655345236	6.847524337	1.264010876	0.264992162	3.432364871	7.573066702
8.740460426	9.358347478	7.83631275	1.194228431	0.224596711	2.569621046	8.933111839
6.666314371	7.842655958	5.812619237	1.349246465	0.233742945	3.506329458	6.592498494
8.490984812	9.205367198	7.412887198	1.241805919	0.286223996	3.370916362	8.580573085
6.231720276	8.471905781	4.964014065	1.706664339	0.375459474	6.024973163	6.720567242
5.598302534	6.52776736	4.750889467	1.374009521	0.26924122	4.809336723	5.572043936
6.711039459	8.00518513	5.906881637	1.355230327	0.197516828	2.943162963	6.747733715
7.443856795	8.210081875	6.670998727	1.230712553	0.211550451	2.841946815	7.422991171
7.164144607	7.835868843	6.27305423	1.249131373	0.250447267	3.495843272	7.284176879
6.968168094	8.047503341	5.544153341	1.451529719	0.30961213	4.443235669	6.400702054
6.160818206	7.027237424	5.484431712	1.281306395	0.213891008	3.471795473	6.36462944
6.670989622	8.001495102	4.671666285	1.712771121	0.355466551	5.328543007	6.340014926

7.401470202	8.430292027	6.455550055	1.305898329	0.235884345	3.186993105	7.332943742
9.318685257	10.55825802	7.541390617	1.400041259	0.355642035	3.816440032	9.248818052
5.542075851	6.984671466	4.406294315	1.585157724	0.368029307	6.640640028	5.993829358
4.109570995	4.976558605	3.556216752	1.399396874	0.22812355	5.551030755	4.178830212
5.566986145	6.499718902	4.991668902	1.302113387	0.197202065	3.542348763	5.769726966
7.223505379	8.409289274	5.744349308	1.463923731	0.36450141	5.046046084	7.580851827
7.61636151	10.0496341	4.337980241	2.316662027	0.968813684	12.72016412	7.975696278
7.617127677	8.491750729	6.349950729	1.337293956	0.275996768	3.623370647	7.800128176
7.780460298	9.151660795	6.582103657	1.390385395	0.377734095	4.854906787	7.872727524
5.950765939	6.791336283	4.541081808	1.495532688	0.259572108	4.361994918	5.878359134
6.659592289	7.893917095	5.381689194	1.466810291	0.300786213	4.516585993	6.669123249
6.487340839	7.872380435	4.849298151	1.623406149	0.373996573	5.765021174	5.675707832
5.353376693	6.588508431	4.63125542	1.422618239	0.249137026	4.653829539	5.589238718
6.036928194	7.122944557	4.778625545	1.490584372	0.292219791	4.840537802	5.780469315
5.537656191	7.488358866	4.872958866	1.536717028	0.316642474	5.717987241	5.465132996
5.187026168	6.542918795	3.557114462	1.839389445	0.388144438	7.482985931	5.476915438
5.833272196	6.958087897	4.877850235	1.426466079	0.28712125	4.92213016	5.477527818
5.516826586	7.255314124	4.362622193	1.663062673	0.297674089	5.395748527	5.21918859
6.561089007	8.454625511	3.358346605	2.517496407	0.754405374	11.49817314	6.241758798
5.611752751	6.472996515	3.578930629	1.808639839	0.294526793	5.248392187	5.559876081
5.003284494	6.421172357	3.612663647	1.777406641	0.353859919	7.072552434	5.11258944
4.752570235	8.288575032	2.922480091	2.836144225	0.722654754	15.20555654	4.469895325
5.30375207	6.966238197	4.001079149	1.741089825	0.310744205	5.858950427	5.071870762
6.606556927	8.174514113	4.599815877	1.777139419	0.521841361	7.898839999	6.818740346
6.655252429	8.144601099	5.76604714	1.412510321	0.257419532	3.86791538	6.694947012
5.258776093	6.259340569	3.338992928	1.874619295	0.448764816	8.53363612	4.457533863
7.152991763	8.423989073	6.326321316	1.331577808	0.284731703	3.980595989	7.058716658
4.426173182	6.313229023	2.849858524	2.215278046	0.270891573	6.120220828	4.35769599
6.796595287	7.794177586	5.75130412	1.355201781	0.355637481	5.232582876	6.400210545
7.389272537	8.642645891	6.260431658	1.380519166	0.327345326	4.430007482	6.653820333
5.956622281	8.508922878	4.110772878	2.069908295	0.662397313	11.12035113	5.226815335
4.418633281	6.21070921	3.260482139	1.904843807	0.306231108	6.930448595	4.683361892
6.934043599	7.927335984	5.673723045	1.397201788	0.357511724	5.155890922	6.644518135
5.746725593	7.254261585	4.347382333	1.668650473	0.374759294	6.52126655	5.507665071
4.383531323	8.781689332	2.956767655	2.970030234	0.452946132	10.33290511	5.627460849
6.590238117	7.536777262	5.526787553	1.363681377	0.236548756	3.58938102	6.611230422
8.107332373	8.921582133	7.15231269	1.247370259	0.264616261	3.263912827	8.459128194
7.315183604	8.260028345	6.279635931	1.315367393	0.264089224	3.610151689	7.030363967
6.571203635	8.461625605	5.227960425	1.618532834	0.325103433	4.947395503	6.355496652
7.376530923	8.76918585	4.998876996	1.754231172	0.360712245	4.889998416	7.392939037
5.357344551	6.460467785	4.582131766	1.409926234	0.230123405	4.295475167	5.158970313
5.418441491	6.857786915	3.677575042	1.864757846	0.336355431	6.207604741	5.344398998
5.370107183	6.357978425	4.037153802	1.574866536	0.33560028	6.249414931	5.571521543
6.132939659	6.701736444	5.090189447	1.316598628	0.210422911	3.431028562	5.935208363
8.218329922	9.762354122	6.518702063	1.497591703	0.381093624	4.63711761	7.767198928
7.562505413	8.671649779	6.606785795	1.312536844	0.281039081	3.71621659	7.545554408
6.688315376	7.400618211	5.310392787	1.393610324	0.266941187	3.991157294	6.606934082

5.928922073	7.693720468	4.763105348	1.61527405	0.313710088	5.291182506	5.739199232
5.414492324	6.756762712	1.00899938	6.696498376	0.366820813	6.774796064	5.431191862
5.686614904	6.331893278	4.879559944	1.297636129	0.202806858	3.566389868	5.640273691
6.302731256	8.248676648	3.917090455	2.10581725	0.338713699	5.374078079	6.411384176
5.973502521	6.743692569	5.045149433	1.336668548	0.252133437	4.220864331	6.008380215
4.212047089	5.262516044	3.551607414	1.48172797	0.2336437	5.547034372	4.063743888
6.633176902	7.679255245	5.406018176	1.420501189	0.292877277	4.415339456	6.434949191
3.889616732	6.86037581	2.86812658	2.391936206	0.3575997	9.193700164	4.098882387
5.590755785	6.639075285	4.273101683	1.553689984	0.310733525	5.55798781	4.914573016
5.645322566	6.625837148	4.731789856	1.400281363	0.219754416	3.8926813	5.725705749
5.725675939	6.614869568	3.526032877	1.876009044	0.263487316	4.601855197	5.508377959
5.285444459	5.881719127	3.911077252	1.50386166	0.235583382	4.457210443	5.235114817
7.354930945	8.882127447	6.178037952	1.437693895	0.305762166	4.15724048	7.149618341
6.122733099	6.832358787	5.377986196	1.270430704	0.235084016	3.839527418	6.559511516
7.081455288	8.112938888	5.845365959	1.387926598	0.21040905	2.971268492	6.898310888
7.01919151	8.266969007	5.788870743	1.428079737	0.396876769	5.65416642	7.226658709
7.203118122	8.099194905	5.547223354	1.460044853	0.34262379	4.7566038	6.531798157
6.12951034	6.86312821	5.570322832	1.232088053	0.205194583	3.347650495	6.003828153
5.680382293	6.552851537	4.955086601	1.322449447	0.269189844	4.738938862	5.935367363
5.162247457	6.543497445	3.995809024	1.637590136	0.281468583	5.452442664	5.168484152
6.061993467	7.467739856	4.85955767	1.53671185	0.313489524	5.1713933	6.015744285
6.186232449	7.26071878	4.85958151	1.494103714	0.296930694	4.799863184	6.492879862
6.114747023	7.6848022	5.298294681	1.450429367	0.322258569	5.270186453	6.541950033
5.976011175	7.186276731	4.830049794	1.487826635	0.332162686	5.558267476	6.708454552
4.61650114	6.704780179	3.291371869	2.037077682	0.358424286	7.763981318	5.27354635
6.191094407	7.590889927	5.06314821	1.499243082	0.327509527	5.290010227	5.797799885
5.639466682	7.347141266	4.630141266	1.58680715	0.29197507	5.177352512	5.898213832
6.162756049	7.100725453	5.190185333	1.368106339	0.286837744	4.654374459	6.044357848
6.820424458	7.978776341	5.171943008	1.542703841	0.410088753	6.012657356	6.072731566
4.467620282	5.657927467	3.015095713	1.876533286	0.233031918	5.216018882	4.583583011
7.759649093	8.665859408	6.777638496	1.278595696	0.293557321	3.783126235	7.432430041
7.59331783	8.455426438	6.136936225	1.377792783	0.324368228	4.271758876	7.777906051
6.161464316	7.807429858	4.594287479	1.699377737	0.393156387	6.380892055	5.714147066
8.328839881	9.798657746	6.799491573	1.441086828	0.43886572	5.269229886	7.758357553
6.43248956	7.272278757	5.764741198	1.261510015	0.230566564	3.584406349	6.218044733
5.883263875	7.255398475	5.131873459	1.413791383	0.209146581	3.554941361	5.7664633
6.286781993	7.293461845	5.360176804	1.36067561	0.26247061	4.17495963	5.958079561
6.923197438	8.292550152	6.323691977	1.311346312	0.221039998	3.192744391	6.674520153
8.479145052	9.395684052	6.871812735	1.367278826	0.334953119	3.950317119	8.585365038
6.769445074	8.793396299	4.733733375	1.857602785	0.555253341	8.202346499	6.333140532
4.309225889	5.458997023	3.516521623	1.552385456	0.2227154	5.168338942	4.231537644
6.924567236	7.807129088	5.174752427	1.508696155	0.285414204	4.121762333	6.986083529
5.960620202	6.784328768	4.641528768	1.46165824	0.237506265	3.984589803	6.028646306
6.243032061	7.28772755	5.317275336	1.370575547	0.20230484	3.240490161	6.228839625
6.066863114	7.744464056	4.407784585	1.756996946	0.319993162	5.274441765	6.091909912
5.683306919	6.458525332	5.086046599	1.269851781	0.218352243	3.841992805	5.882428861
5.885270827	6.499358643	5.362386966	1.21202716	0.161338425	2.741393384	5.805308747

4.536958782	7.851486384	3.228097305	2.432233493	0.543231717	11.97347702	4.17559442
6.397353784	7.416730997	5.34747892	1.386958436	0.339897767	5.313099419	6.318111247
6.710837388	7.863073161	5.61936571	1.399281265	0.314105991	4.680578186	6.478627228
7.585078144	9.084987039	4.19948941	2.163355149	0.824814713	10.87417555	6.843747769
5.202983324	6.577336259	4.194101693	1.568234807	0.247383171	4.754640863	5.027075782
5.074032801	6.901528078	3.450761566	2.000001433	0.393373041	7.752670434	4.57211757
7.604580725	9.203782514	6.470154873	1.422498023	0.418590533	5.504452491	6.480932789
7.63767713	8.231369046	6.744800543	1.220402144	0.192266984	2.517348941	7.391175933
8.033361768	9.447219764	6.447219764	1.465316851	0.348156085	4.333877834	8.29864395
7.172679031	8.349441607	5.314163497	1.571167619	0.397534527	5.542343732	6.650466978
5.979109763	7.007021449	4.506987312	1.554701836	0.2544267	4.255260573	5.738821714
6.910211968	8.058057681	4.368210061	1.844704712	0.374156487	5.414544279	6.630625604
5.164324968	6.121679832	4.374586668	1.399373312	0.205990589	3.988722436	5.131943973
6.720576976	7.814545376	5.567645376	1.403563778	0.282969746	4.210497803	6.857015132
6.759278973	8.35343102	5.09983102	1.637981923	0.433027211	6.406411291	6.011011641
6.022711814	6.874684758	5.196516305	1.322941054	0.182856278	3.036112039	5.953186327
6.83324516	7.618666496	6.09829983	1.249309924	0.178504409	2.612293354	6.672175478
6.059134575	7.187875633	5.432097413	1.323222889	0.215211035	3.551844448	5.989153007
6.509785889	7.33956609	5.75141609	1.276131995	0.226941636	3.486161293	6.215934257
6.682552346	7.717616819	5.235517486	1.474088634	0.341518891	5.110605544	6.735403013
5.965592026	7.697526344	3.905387758	1.971001811	0.30461191	5.106147191	5.931822391
8.257783655	9.28461722	7.11317273	1.305270879	0.297500439	3.602666907	8.198247944
6.258538922	6.877108001	5.251088106	1.309653897	0.235959377	3.770199086	6.462229902
7.185487295	9.424747751	5.755498495	1.63752067	0.354946302	4.939766609	7.128168327
4.236616825	5.608302112	3.331337006	1.683498878	0.318178615	7.510205156	5.572504281
6.989432917	8.027518846	4.141955273	1.938098873	0.373486032	5.343581322	6.820858502
6.418409911	7.562235076	5.257185076	1.438457077	0.281890944	4.391912445	6.386927851
7.367866933	8.992910175	5.787130471	1.553949789	0.571113695	7.751411642	7.711277597
6.480994352	7.234946008	5.636837891	1.283511456	0.209164471	3.227351537	6.430504209
6.882788451	7.544644008	5.861003161	1.287261549	0.270707105	3.933102213	6.883139019
4.676077209	7.417710933	3.03288459	2.445761028	0.513852573	10.98896681	4.297800089
6.305514968	7.278074761	5.235803737	1.390058743	0.375493014	5.954993621	6.175730548
5.441381935	6.865788899	4.719717516	1.454703354	0.312333431	5.739965227	5.665523184
7.722039486	8.674739802	6.814702677	1.272944722	0.280311518	3.630019222	7.854238045
7.21930554	8.00292385	6.348542323	1.260592344	0.259024354	3.587940041	7.235884361
7.139834202	8.098508554	6.004901154	1.348649769	0.261639476	3.664503531	7.175023335
7.471939132	8.395623767	6.004473767	1.39822807	0.356874677	4.776198935	7.059968854
6.96143729	8.631456113	6.027340487	1.432050526	0.258703533	3.716237359	6.965344278
6.459355449	9.100211657	4.840112459	1.880165334	0.529413098	8.196066964	7.486859348
4.944985014	5.852070896	3.955298788	1.479552168	0.220449291	4.4580376	4.797976303
4.400994947	6.548419261	2.722170434	2.405587533	0.520988009	11.83795971	4.590370319
5.485074921	7.285652691	4.370323926	1.66707384	0.371833092	6.778997497	5.125045665
6.515109001	8.125096395	5.254196395	1.546401349	0.482618901	7.407687281	6.245350269
8.201753074	9.159116901	7.254022807	1.262625876	0.277157684	3.379249312	7.844522219
6.688063955	7.608485403	4.892586034	1.555105081	0.303443018	4.537083086	6.563454613
7.053425921	8.160544035	6.123529541	1.332653657	0.272383362	3.861717205	6.716496114
8.756496285	9.652248277	7.55835057	1.277031038	0.324754548	3.708727072	8.862630594

7.254971894	8.208586406	5.570729046	1.473521031	0.366199352	5.047564033	6.880517905
6.390073463	10.50942986	4.343332209	2.419669818	0.789047851	12.34802472	6.307545679
6.433696015	7.089294419	5.284431238	1.341543508	0.241870901	3.759439367	6.474144842
9.738346947	10.59239951	8.701567947	1.217297799	0.290104378	2.978989957	9.649005518
10.10263308	10.83633798	9.087527905	1.192440683	0.25247548	2.499105704	9.432159202
9.289271179	10.37383765	7.183798294	1.444060262	0.388287618	4.179957826	9.729735649
5.797909505	7.825124472	4.816871105	1.624524365	0.329709148	5.686690143	6.021864299
5.824001385	7.460570597	4.266570597	1.748610606	0.366715272	6.296620613	5.610294725
8.02931787	8.860275375	6.895475836	1.284940385	0.305891896	3.809687205	7.932474097
7.86266843	8.994409936	6.395073613	1.406459172	0.4572089	5.814932984	6.510482232
5.305291754	6.156908587	3.906809057	1.575943051	0.246989244	4.655526127	5.318718404
6.124971553	8.647059369	3.413053432	2.53352593	0.616737081	10.0692236	5.690289
6.729130544	7.510564804	5.862119465	1.281202959	0.235911818	3.505829111	6.792062374
4.126808032	6.677427553	2.556078885	2.612371469	0.500840431	12.13626676	3.741759568
5.155433593	6.07638316	3.436866619	1.768000866	0.27234807	5.282738404	4.883579312
5.925000348	6.996220012	4.55476475	1.536022253	0.458892436	7.745019563	4.829500822
5.227187254	6.19321907	4.480047586	1.382400287	0.201383111	3.852609468	5.333972309
6.758111507	8.062562056	5.867615487	1.37407812	0.346223997	5.123087964	6.408401258
7.78686528	8.700215646	5.607655607	1.551488939	0.398046009	5.111761852	7.723134148
6.666177815	7.808503931	5.298735125	1.473654324	0.375039185	5.626000315	6.735467142
6.775486203	7.597467569	5.071476646	1.498077996	0.230823651	3.406746675	6.661399454
6.206816486	7.216114419	5.379137294	1.341500323	0.230751215	3.71770642	6.309010504
7.041534097	8.540692195	5.412882642	1.57784544	0.383652235	5.448418339	6.891212481
7.30129737	9.648429972	6.166584009	1.564631238	0.334117221	4.576134948	7.158172281
5.537776726	7.3418471	4.480014875	1.638799715	0.437127537	7.893556549	5.891871665
6.144322042	7.577216596	4.915760267	1.541412962	0.288418468	4.694064963	6.21413924
6.190578426	7.499987268	5.224139618	1.435640664	0.342601512	5.534240723	6.069990437
6.463489636	8.140174231	5.188370483	1.568926941	0.484324246	7.493231564	6.799250321
4.099309657	7.048161797	2.770835104	2.543695865	0.381138542	9.297627498	4.517671372
4.85355574	6.360294283	0.08277089	76.84216401	0.443936042	9.14661469	4.954422063
6.932695354	8.069337367	6.175127181	1.306748368	0.28213553	4.06963693	7.098019534
4.347935329	9.898576297	2.93718357	3.37009113	0.487668714	11.21609862	4.310603311
5.478298122	6.523567844	4.842289392	1.347207347	0.196977312	3.595593151	5.44836027
4.968845756	6.512064937	4.204713183	1.548753661	0.332970808	6.701170132	4.772426292
6.023437759	7.311423299	5.074052526	1.440943558	0.272702715	4.527360058	5.635940681
7.827988497	9.235907425	6.739314314	1.370452096	0.312774904	3.995597393	7.597516267
4.494202759	5.358957443	3.730049744	1.436698653	0.21750981	4.839786316	4.845466353
7.972640069	9.046255868	6.66093476	1.358106061	0.372994228	4.678428036	7.423755372
6.36528856	7.165321382	4.744818991	1.510135876	0.255864104	4.019678001	6.541885086
6.178317224	7.24289905	4.819070208	1.502966078	0.271929268	4.401348434	5.943727747
6.867543791	7.822747444	5.832558472	1.341220578	0.246850659	3.59445336	6.621140601
7.268665382	7.97897367	6.593788061	1.21007433	0.242537772	3.336757974	7.14072482
5.999468336	7.413906547	4.670378023	1.58743179	0.314996303	5.250403631	5.694476032
8.112432698	9.706801826	4.196147206	2.313265324	0.85627355	10.55507739	6.127469298
8.211881002	8.886313156	7.136239267	1.245237558	0.255959035	3.116935513	7.954806421
6.068688928	6.990098546	4.887373327	1.43023626	0.255342515	4.207540015	6.148198638
4.826949433	5.409973489	-1.148522258	-4.710377576	0.409601562	8.485723084	4.923331363

3.805980204	4.718115963	3.10302269	1.52049032	0.232547452	6.110054164	3.917554834
7.113353035	8.874933269	4.914532453	1.805855054	0.358481155	5.039552424	7.577449954
7.681612841	9.199886563	6.262362585	1.469075998	0.379869451	4.945178295	7.923261021
7.29395629	8.049271645	4.996318389	1.611040574	0.305645544	4.190394511	7.249077462
6.912335536	9.540994008	4.876059934	1.956701545	0.758501815	10.97316255	5.609889524
7.648377056	8.703831858	6.371989914	1.36595192	0.353919616	4.627381912	7.223503675
5.672843195	7.816446005	4.162346005	1.87789434	0.390375609	6.881480691	5.215807522
6.712247246	7.876024313	6.031745537	1.305762033	0.26766998	3.987784874	6.746711653
7.029489545	10.52866661	3.871066609	2.719836074	0.977221564	13.9017429	8.14214705
6.361881923	7.998268876	5.537995568	1.444253391	0.301708524	4.742441433	6.460550553
6.732249957	8.804692984	5.359400615	1.642850314	0.518290758	7.698626181	7.105517522
8.029249525	9.806669042	5.639894868	1.738803519	0.589666118	7.343975502	7.673564156
7.246176213	7.882326689	6.416904568	1.228369006	0.227660569	3.141802819	7.111012681
5.546045441	6.602240727	4.862387509	1.357818708	0.24360322	4.392376919	5.746242368
4.768562918	7.180180596	3.401211769	2.111065433	0.501648771	10.5199151	4.944607578
6.950907867	8.290800598	5.127511983	1.616924666	0.391279001	5.629178359	6.975960959
5.496059727	6.238732308	4.594076103	1.357994985	0.201007415	3.657300405	5.629262266
9.147454457	10.17082195	7.79298862	1.305124702	0.345275731	3.774555348	8.55018954
5.540185092	6.489584973	4.100423509	1.582662122	0.262733641	4.742326057	5.741379318
7.730043374	10.694397	6.083304458	1.757991413	0.578426239	7.482833033	6.657818988
7.436535386	8.378618761	6.235704291	1.343652356	0.33605556	4.518980173	7.068929566
6.042353552	6.98129851	5.063752206	1.378680912	0.196711276	3.255540642	5.88129809
8.198408387	9.201593938	6.800599981	1.353056196	0.301389046	3.676189715	8.462578022
7.029845278	9.561320993	5.460712945	1.750929062	0.641896176	9.131014277	7.255726514
5.005104757	8.89077027	3.68966018	2.409644747	0.845350852	16.8897734	4.583231668
5.89874487	6.80633265	5.017375832	1.356552285	0.272985966	4.627865288	5.781395436
6.842665	9.305159062	5.943888613	1.565500242	0.335978407	4.910051968	6.530058198
7.453098965	8.722304832	5.840353186	1.493455028	0.4542706	6.095056589	7.367610688
5.857195865	6.764892798	4.910342058	1.377682597	0.241385409	4.121177005	5.748255156
7.135263554	8.053236607	6.436211145	1.251238722	0.248736494	3.486016915	7.505484294
5.642074026	6.840658754	4.580346669	1.49348057	0.250754294	4.44436377	5.332810225
6.377094586	7.12166537	5.313084649	1.340401262	0.261042955	4.093446503	6.422523706
5.852625166	6.465565891	4.954213343	1.305064083	0.244966617	4.18558528	6.472419858
7.174232804	8.732966419	5.36461336	1.627883658	0.408367974	5.692148341	7.219768124
6.289680338	7.815752665	5.511864719	1.417987027	0.289431533	4.601689073	6.22619256
4.309132821	7.988746089	2.222621422	3.594290063	0.421627121	9.78450047	5.274795733
4.36508992	5.269205991	3.665981602	1.437324723	0.236401879	5.415739042	4.380120069
6.638652637	8.514598994	3.383110916	2.516795696	0.374535796	5.641744139	6.671441633
6.291857725	6.982755425	5.101555425	1.368750282	0.258278621	4.104966016	6.119739971
7.476294665	8.33553989	5.958863583	1.398847242	0.293381467	3.924156017	7.742060467
5.929990867	7.023105231	4.696708999	1.495324754	0.292424254	4.931276632	5.585306696
5.686037435	7.837323923	3.718545522	2.107631566	0.410961373	7.227553071	5.478076483
6.590088637	7.669414029	5.906955986	1.29836993	0.226485949	3.436766361	6.629272951
6.442956393	7.560980596	5.359066984	1.4108763	0.289433344	4.492244347	6.496636659
4.456862407	6.280562223	3.315125651	1.894517096	0.369560355	8.29193996	4.184155455
7.965862636	10.43519798	2.971724046	3.511496295	1.280335232	16.07277567	7.204750422
5.900548689	7.190857317	4.725180683	1.521816371	0.353507963	5.991103235	5.505669479

7.718023027	9.135727955	5.713543864	1.598959975	0.480872605	6.230515292	7.725855129
7.08601562	8.666190983	4.037258427	2.146553444	0.417904301	5.897592155	7.149455072
5.48829976	7.681982841	4.072820846	1.886157808	0.588629419	10.7251689	5.110348803
5.292830596	10.28972434	3.404302977	3.022564211	0.803386586	15.17877007	5.903793691
6.013102892	7.549324859	4.806643338	1.570602254	0.308709845	5.133952484	6.117852733
6.732230671	7.979760554	5.234921697	1.524332362	0.319389265	4.744181842	6.719332837
8.038760777	8.878674565	7.027144914	1.263482492	0.254998602	3.172113333	8.047738995
6.912682412	9.458825087	4.709625087	2.008402986	0.605714206	8.76236126	6.893677967
6.491977047	11.35177842	2.717462373	4.177345207	0.56543216	8.709706709	6.438738516
5.456305553	6.596034639	4.316508468	1.528094915	0.387882964	7.108893733	5.31443339
7.201908493	8.113464107	5.942484622	1.365331948	0.351579731	4.881757817	6.525903529
7.996196903	9.042882001	6.53124791	1.384556539	0.315987461	3.951721862	8.140350892
4.573345636	5.724916552	2.98867376	1.915537463	0.385717521	8.434033884	3.946918125
7.088802457	7.988656981	6.267998839	1.274514751	0.269708915	3.804717605	7.046266272
8.047004625	9.231074972	6.349341639	1.453863329	0.391803556	4.868936632	7.172004967
7.493947582	8.990640795	5.123184305	1.754893101	0.433051474	5.778682991	6.994001491
7.816950269	9.165177293	6.458395084	1.419110657	0.333122972	4.261546514	7.665334639
6.98925081	7.958246345	5.50098008	1.446928097	0.286369599	4.097286052	6.869053777
8.385226734	9.783079521	5.484463629	1.783780545	0.544849364	6.497729647	6.816989519
4.7943128	5.694526312	3.565633049	1.597058989	0.253425954	5.28597036	4.564268708
5.916166046	6.810621161	4.474006532	1.522264465	0.26485723	4.476839017	5.97799792
4.440821628	5.504866266	2.501280208	2.200819504	0.340566191	7.668990545	4.124766747
7.156511763	8.356271052	6.391758376	1.307350898	0.229777918	3.21075302	7.409419043
7.273257161	8.389166737	5.696266737	1.472748227	0.353704971	4.863089026	7.067325375
7.882697455	9.364130275	6.156946256	1.520904988	0.423346098	5.370573979	7.328319456
7.921653088	8.688507131	7.062548277	1.230222689	0.272899038	3.444975875	7.430936239
9.403409559	11.88961643	5.688316427	2.090181969	0.798838159	8.495196916	9.890057636
6.423861325	7.68207379	5.283410934	1.45399892	0.276867019	4.309978149	6.296982125
5.596614349	6.521622733	5.022024862	1.298604231	0.205703085	3.675491501	5.61837261
5.746626352	6.981463587	4.209162087	1.658635007	0.411737233	7.164851306	5.829061746
6.192719675	7.694479731	4.291733942	1.792860376	0.34383101	5.552181084	6.007161405
6.889295689	8.259822165	5.323287167	1.551639411	0.420775462	6.107670228	6.49184969
8.593315084	9.630209818	6.935546135	1.388529415	0.372955407	4.340064385	7.913199424
7.132183087	8.440338883	6.253750391	1.34964435	0.347653941	4.874439383	7.060083811
5.551662311	10.50073519	3.12041853	3.365168836	0.798731628	14.38725166	8.203172893
6.563370468	7.63172341	5.148187213	1.482409845	0.282600216	4.305717878	6.543418203
8.38697584	9.181929265	7.46134635	1.230599524	0.260337628	3.10407032	8.117964509
7.444797897	8.345565673	6.322259523	1.320028962	0.300035613	4.030137789	7.472940303
4.568804883	6.403491066	3.193500984	2.00516333	0.385931345	8.447096226	4.220377398
3.944076228	7.505041152	1.123848164	6.677984972	0.683945116	17.34107244	3.807518914
6.075334215	7.121746782	5.420144811	1.313940315	0.220011904	3.621395895	6.060263657
6.813177665	8.800496088	5.118732456	1.719272528	0.624422896	9.164929008	7.489253977
6.799625596	7.470376088	5.843657013	1.278373469	0.22983506	3.380113467	7.005264989
7.223175921	9.615466654	4.773471216	2.014355218	0.843887596	11.68305472	6.517164854
6.97506591	7.943339101	6.084781168	1.305443677	0.30851311	4.423085223	7.028284779
6.828090364	7.664846311	6.25049859	1.226277584	0.199093177	2.915795879	6.569720175
5.174448236	6.789333369	3.453371724	1.96600132	0.313021583	6.049371235	5.049737997

7.842071575	9.205325623	6.820232202	1.349708536	0.382391621	4.876155716	7.427092743
4.33644611	5.044357262	3.690594462	1.366814293	0.21063575	4.857335817	4.442171149
7.305120374	8.455795913	6.043192163	1.399226714	0.358417587	4.90638852	6.791567212
6.888897993	7.690314596	5.925525179	1.297828355	0.28426673	4.126447081	6.979841541
6.46751716	7.469885999	5.560256164	1.34344278	0.254896698	3.941183172	6.147318286
8.815288891	9.67364869	7.502500219	1.289389991	0.304616153	3.455543622	8.474552162
5.493003954	6.486086362	4.686009053	1.384138675	0.275371335	5.013128287	5.565956715
8.527882383	10.49074954	6.063386602	1.730179885	0.721169533	8.456607408	7.845011031
7.339379194	8.233590705	5.794082476	1.421034433	0.271902093	3.704701528	7.214737573
8.139890882	10.1215239	6.997741772	1.4463986	0.3630065	4.4595991	7.849258274
5.982281288	6.87387039	5.181812817	1.326537764	0.207628484	3.470724189	6.048781363
6.161742963	6.905823857	5.597509838	1.233731437	0.192182924	3.118970157	6.166874234
6.302418071	7.27970269	5.656459769	1.286971531	0.213717541	3.391040375	6.311369122
5.63982327	6.978652847	3.630125022	1.922427686	0.450859469	7.994212708	5.74940613
7.739146552	8.517947686	6.979650094	1.220397523	0.235600694	3.044272285	7.558729484
5.077161129	7.289014893	2.741712774	2.658562546	0.551023392	10.85298216	5.414302783
8.602614533	9.171589585	7.779955701	1.178874268	0.213361694	2.480195917	8.443246397
5.701242812	7.421434927	4.241620739	1.749669615	0.274082509	4.80741687	5.573584555
7.394887744	8.332998363	6.025648363	1.382921449	0.272755264	3.688430077	7.241815913
6.316037441	8.52791323	3.223587102	2.645473183	0.830475272	13.14867558	6.62317326
8.108619914	8.688132603	7.193084704	1.207845168	0.20347702	2.509391515	8.217451281
5.263035837	7.373044241	3.749439277	1.966439165	0.396226926	7.528486187	5.257297039
7.208547087	8.004332368	5.736798017	1.395261319	0.299438026	4.153930363	7.327435935
5.198452285	6.781922317	3.460824965	1.959625923	0.344036405	6.618054485	5.016130324
5.67910077	6.80203424	3.886763505	1.75005097	0.314813257	5.543364524	5.578556124
6.960688295	8.108724228	4.938033832	1.642095721	0.442024515	6.350298937	7.063523624
4.094016495	6.675707912	2.66472067	2.505218647	0.381870637	9.327530494	3.856197946
6.16141687	13.75949955	1.756390309	7.833964629	1.301176647	21.1181401	5.676449875
5.801737735	8.519075615	4.01403027	2.122324706	0.471373667	8.124697959	6.189367585
6.368513849	7.167592992	5.61032029	1.27757287	0.242697175	3.81089184	6.333965539
4.13188392	7.22633614	1.681952346	4.29639767	0.398467965	9.643735708	4.101960381
6.698921328	7.504794762	5.506385902	1.362925682	0.269066015	4.016557314	6.711861134
4.141154499	5.5507955	3.050664093	1.819536773	0.28613151	6.909462315	4.212712688
6.194765036	6.978464862	5.25795516	1.327220307	0.246672482	3.981950569	6.205502559
4.093194833	10.72980737	0.185185313	57.94091976	0.718931459	17.56406642	4.247075501
5.433076378	6.550332457	3.513071444	1.86455999	0.283437326	5.216884623	5.292262936
4.306892034	7.467464316	2.768096072	2.697689719	0.658982811	15.30065779	4.194569283
5.268802387	7.595768625	3.413319937	2.225331573	0.531515006	10.08796623	5.22960388
5.899312908	8.216024467	4.003168819	2.052380211	0.515264185	8.734308443	5.327419118
6.946062108	8.18715393	5.857865853	1.397634247	0.315696412	4.544969606	6.571679944
6.948702227	8.047351864	5.577151864	1.442914244	0.290759051	4.18436481	7.122786241
7.743742518	8.658997714	6.641654987	1.30374097	0.29033927	3.749340443	7.634318477
4.273307395	6.473160562	3.289362736	1.967907185	0.398447196	9.324093934	4.548400113
7.335833544	8.924988511	5.365087095	1.663530965	0.585387247	7.97983274	8.474000589
4.72446157	8.00135705	2.530618567	3.161818677	0.461094762	9.759731462	4.663723218
5.72355786	7.312041224	5.212674045	1.402742846	0.230031129	4.019023385	5.705780767
7.051925666	8.065567686	5.962534353	1.352707961	0.309693728	4.391619295	6.719816695

7.754787217	8.438035754	6.88199924	1.226102396	0.222260186	2.866102957	7.665707282
7.289186568	8.063819452	6.393911187	1.261171639	0.228742744	3.138110702	7.514366596
6.709796422	7.746395499	5.858652484	1.32221454	0.228496667	3.405418779	6.639145985
4.424509536	5.643838938	2.406104981	2.345632873	0.308520136	6.972979333	4.222951576
5.907252936	8.007565029	4.467962399	1.792218536	0.616467247	10.4357686	5.893865345
5.271661094	6.286253764	3.387841703	1.855533498	0.362576677	6.877844963	5.803176943
7.404125227	9.193006465	6.031382602	1.524195541	0.437141343	5.904024174	7.354156783
6.661905706	8.066611407	5.789206477	1.393388099	0.232960689	3.496907632	6.719028032
8.407539131	10.07891773	7.239776392	1.392158706	0.545275557	6.485554792	7.62044144
7.902126705	8.676923897	6.395883548	1.356641945	0.341092239	4.31646127	7.818612567
7.093248807	8.26756931	6.306294902	1.311002647	0.217997467	3.073309185	7.206773433
8.107346479	8.968908726	7.327961161	1.223929621	0.219454858	2.70686418	8.283208915
7.251059373	8.63349758	5.684930176	1.518663785	0.292039214	4.027538588	7.153027057
5.937991816	7.148484108	4.505703275	1.58654125	0.303245637	5.106871933	5.632816856
6.798695948	7.449931574	6.1473921	1.211884886	0.217481774	3.198874833	6.822648183
3.557661594	4.858882515	0.884718351	5.49201055	0.308555488	8.672985876	3.625774845
5.602090156	7.041949141	4.88074581	1.442801862	0.224889059	4.014377715	5.945834376
6.015253895	7.480734119	5.069696144	1.475578399	0.29426172	4.891925181	5.993955078
7.736227833	9.240200656	5.759405344	1.604367136	0.465022657	6.010974178	7.787870803
4.265755598	6.740112855	3.005925296	2.24227557	0.514516144	12.06154765	4.988767995
6.166063948	8.190280247	4.808536993	1.703279034	0.338404568	5.488178047	6.296273619
8.516534972	9.38347008	7.579349169	1.238031112	0.345959059	4.062204409	8.137188932
6.082041835	8.073141785	4.296970952	1.878798315	0.374302972	6.154232113	5.636767947
6.874670763	8.499607362	4.256774132	1.996725008	0.458964116	6.676161406	6.50927869
4.742401704	5.868017677	3.883966796	1.510831061	0.303986887	6.409977591	4.62259964
7.676985485	9.332809013	5.530910646	1.68739103	0.429935591	5.600317886	6.971933239
5.852988181	7.821347834	4.118962534	1.898863554	0.480773623	8.214156736	7.259717324
7.202553798	7.920867429	6.285972543	1.260086228	0.241221168	3.349106092	7.231059641
7.805579561	9.191377133	6.275017591	1.46475719	0.376019567	4.817317721	7.957677558
5.85191774	7.249453525	4.106889282	1.76519332	0.273109713	4.667012169	5.938782684
8.607428156	11.5754376	6.06167878	1.909609205	0.997310911	11.58663068	8.522803252
8.103542883	9.009816937	6.554808263	1.374535543	0.411746279	5.081064976	8.280984435
7.684132671	8.806431756	5.608405406	1.570220253	0.342199884	4.453331277	7.827204061
4.959948802	6.671384123	3.544419	1.882222199	0.303814584	6.125357265	5.064526451
7.417963516	9.026699134	6.274576607	1.438614858	0.35644835	4.805204944	7.643384625
5.125278298	8.645149002	2.989155118	2.89217142	1.038217162	20.25679586	7.031328021
5.413335722	8.667258102	4.277055967	2.026454217	0.613130585	11.3262989	5.629847636
6.262431261	7.440117188	5.32670142	1.39675882	0.273526684	4.367739496	6.265289266
3.911859852	6.326143219	2.963423363	2.134741629	0.339502918	8.678810872	3.845923361
5.661273031	6.260752983	4.776797613	1.310659042	0.209201348	3.695305752	5.88099871
3.715477211	4.798596285	2.798274398	1.714841221	0.228715153	6.155740976	3.786812196
4.834221978	7.89957099	1.698575827	4.650702585	0.690346856	14.28041284	7.34005023
4.16908102	12.85943116	2.71564145	4.735319958	0.969911673	23.26439972	3.862583636
7.834628523	8.777222052	6.131667077	1.4314577	0.322554512	4.117036448	7.601057828
6.391809874	7.273247232	5.543549742	1.312019837	0.234647217	3.671060656	6.217024245
8.48335061	9.398472467	7.630175706	1.231750464	0.23879771	2.814898507	8.540355472
6.017253002	6.700249519	4.848723912	1.381858328	0.262262471	4.358508285	5.981942216

3.972697738	4.984533901	3.241104192	1.537912269	0.229415445	5.774802422	3.935964448
7.159037772	8.485134304	4.766942494	1.779995105	0.558453673	7.800680634	6.103947946
3.999267353	5.973928318	2.609037258	2.289706021	0.368394936	9.21156061	3.906845008
7.474814862	8.46270094	6.885787737	1.229009848	0.247733331	3.314240355	7.137697005
9.830474431	10.91191714	8.457892717	1.29014608	0.34282875	3.487407986	9.807189981
6.256110376	7.551859644	5.020324577	1.50425725	0.29179123	4.664099772	6.035224725
7.157512883	8.023569585	6.108386252	1.313533437	0.290034262	4.052165417	7.368659162
4.974143979	11.28480388	3.5337018	3.193479394	0.571504574	11.48950606	5.447656531
5.737430108	7.71539635	4.382902513	1.760339484	0.399664106	6.965908061	6.016892711
6.073853247	7.547994427	5.180548788	1.456987423	0.273435559	4.501846658	6.238782264
6.760197045	7.692594852	5.535544852	1.389672572	0.293599449	4.343060525	6.57784506
8.422611893	9.162948711	6.832810873	1.341021855	0.270080261	3.206609354	8.605290804
3.906248665	9.861661483	2.788141585	3.537001684	0.617102689	15.79783423	4.351337433
4.830413009	7.924505371	2.751469235	2.880099574	0.596629032	12.35151178	4.839114707
5.779304163	6.418420004	4.588556713	1.398788422	0.198707153	3.438253938	5.672801349
6.428339238	7.529066095	5.508894152	1.366710974	0.283815782	4.415071634	6.260137366
5.149132162	6.844293221	3.642177058	1.879176413	0.349979	6.796854082	5.72231765
6.467609934	8.049212735	5.059554179	1.590893673	0.441096544	6.82008576	5.778104519
5.918331917	6.729102899	5.205125921	1.292783883	0.242077491	4.090299331	5.931061048
9.647500548	10.68235828	8.476190126	1.260278276	0.277668939	2.8781438	9.65732242
8.705943835	9.966945784	7.754415251	1.285325258	0.276230224	3.172892329	8.466602543
4.55646768	6.813664702	3.205728665	2.125465195	0.56347893	12.36657361	4.071646286
5.354914949	6.748389982	3.496444071	1.930072338	0.447335252	8.353732159	5.479030051
7.181234159	8.122658749	6.18327195	1.313650574	0.242068701	3.370850963	7.320914007
7.185563656	8.365793083	6.12013305	1.366929937	0.262008354	3.646315959	7.145362659
6.060662691	7.282613329	5.262275948	1.383928437	0.259856748	4.287596282	6.068821936
6.102776289	8.046695794	4.663395794	1.725501362	0.349067772	5.719819232	5.776072707
6.677392531	11.86994205	3.094984547	3.835218519	1.094810893	16.39578456	5.09274141
4.245227143	5.211728617	3.188344727	1.634618921	0.246505306	5.806645855	4.23477501
5.475904099	7.187813231	3.179101442	2.260957495	0.387355814	7.073823923	6.326605949
4.555395199	5.370309249	0.375310989	14.30895819	0.328446164	7.210047632	4.662927529
5.70942939	7.01165243	3.261258024	2.149983956	0.413509667	7.24257432	4.828187263
5.978189004	7.251655167	4.767880493	1.520938953	0.332972724	5.569792518	5.931589534
4.534998888	5.443727592	3.049188207	1.785303898	0.304551741	6.7155858	4.1305452
8.468453997	9.624254784	7.32834817	1.313291148	0.321156001	3.792380539	8.195162447
6.001464877	6.96201638	5.111551929	1.36201617	0.259788926	4.328758585	5.990435626
6.745399082	7.703875623	5.357583155	1.4379386	0.359866214	5.334987746	6.565683281
6.140021938	7.734241556	3.226379714	2.397188875	0.332173229	5.409968118	5.883095865
6.963068766	8.412158026	5.905535926	1.424452943	0.298824716	4.291566348	7.04325558
4.667561703	7.298603864	3.425316931	2.130782059	0.378146778	8.10159142	4.628685521
6.740123786	9.003820436	4.421077528	2.036566963	0.67085637	9.953175806	7.450200166
9.176309485	10.66119628	7.982486809	1.335573303	0.269184485	2.933472171	8.738109618
7.340317757	8.198676633	6.193974366	1.323653627	0.262849188	3.58089659	7.096712147
5.847825328	6.882375167	4.193391229	1.641243278	0.256620658	4.388309228	5.815063411
7.057193564	8.693342394	5.132427504	1.693807148	0.5961397	8.447262987	6.93465347
4.806459681	7.776385583	2.855511756	2.72328964	0.409958994	8.529333877	4.934608925
5.194051793	9.223685459	3.271185459	2.819676712	0.958825499	18.46006812	4.332718284

8.230770029	9.663116035	7.565318878	1.277291307	0.27492425	3.34020085	8.316076962
7.383101151	8.340007578	6.22109291	1.340601675	0.30043356	4.06920552	7.413926888
4.892385775	8.828242643	3.625453197	2.435072849	0.436589455	8.923855876	4.675768439
4.745095526	8.363181791	3.198981791	2.614326163	0.685970285	14.45640622	5.954655379
4.819903065	6.464571761	3.187489252	2.028107783	0.298124681	6.18528374	4.953295433
4.071132034	5.922684675	2.530831994	2.340212503	0.288750741	7.092640045	4.08047446
5.425908382	7.855633169	3.678287875	2.135676553	0.505727704	9.320608977	5.031495517
4.232612491	5.611824984	3.226909791	1.739070922	0.245602737	5.802627503	4.21645116
5.731264815	8.387000713	3.472857093	2.415014637	0.815792752	14.23407883	6.153974994
4.285137088	5.218721317	3.26002111	1.600824393	0.230388727	5.376461057	4.220092506
6.505002776	7.448681806	5.559378277	1.339840794	0.25171512	3.869562071	6.389128057
5.022453327	9.452314119	2.665358757	3.546357162	1.233315691	24.55604086	6.32356074
5.9411989	6.943181168	3.62150612	1.917208183	0.286779898	4.826970167	6.215277324
5.136406597	6.225934381	4.11987866	1.511193628	0.288179539	5.610528172	5.113156473
5.329299226	8.02689003	3.545053202	2.264250936	0.613669474	11.51501253	5.739578835
6.811641714	8.368543999	5.807129691	1.441080955	0.381622646	5.602506149	6.769621796
7.003872585	7.838649573	5.992753432	1.308021373	0.2615373	3.734181296	6.764364573
3.361727894	5.576512398	2.577336842	2.163672325	0.240788994	7.162655679	3.346166255
6.144105326	7.271450746	4.855760197	1.497489672	0.343157062	5.585142891	6.403833683
4.663728544	11.22345312	2.373461924	4.728726849	0.922574699	19.78191249	4.887807055
6.917963739	7.973004705	5.866454705	1.359083996	0.339617224	4.909207925	7.109735865
6.552277791	8.718824826	5.403505773	1.613549646	0.447921043	6.836111914	7.727572277
7.814484293	9.820243172	6.486320626	1.513992869	0.310810695	3.977366685	7.79092175
6.078040101	6.704587199	4.604524243	1.45608685	0.260583016	4.287286887	6.344393643
6.892420446	8.869742127	5.678752158	1.561917457	0.489409493	7.100691212	7.104430848
7.027415329	7.801651956	6.233893972	1.251489357	0.224458722	3.194043779	7.299707612
6.442327428	7.444930608	5.509584362	1.35126901	0.286797718	4.451771831	6.392425493
7.07268407	8.596620833	5.771811115	1.489414789	0.376019933	5.316509684	7.282467429
6.419687337	8.194007349	5.468559964	1.498384841	0.326128372	5.080128588	6.817032609
6.187789951	6.962943557	5.037624908	1.382187774	0.284916361	4.604493101	6.146016215
5.623481604	8.607047768	4.319611111	1.992551539	0.489705016	8.70821762	5.142225663
3.79125498	10.61238768	1.815228954	5.846308068	0.660005246	17.40862194	3.635141965
7.230462275	9.543693388	5.854201594	1.630229714	0.549900529	7.605330167	7.713540793
6.477270733	9.26952426	5.203450541	1.781418731	0.395848887	6.111353117	6.120116241
5.530349598	7.052745124	3.944458832	1.788013369	0.387515267	7.007066381	5.443204703
7.677654247	8.445507378	6.627257378	1.274359346	0.33230624	4.328226162	7.222282076
8.066794864	9.267326354	6.745600632	1.373832644	0.28718943	3.560142973	7.963561016
6.473380718	7.491079254	4.68872071	1.597680842	0.324854653	5.018315274	6.199384853
7.224445601	8.026706592	6.515906592	1.231863361	0.234567446	3.246857395	7.01342478
7.996837447	9.148660994	6.839231122	1.337673904	0.323593701	4.046520932	8.028240067
4.908672944	7.192700122	3.477203627	2.06853003	0.479882239	9.7762113	5.343198929
7.766773262	9.322185461	4.4981651	2.072441819	0.738199267	9.504581143	6.611790676
5.037874446	5.961172448	4.371980314	1.363494806	0.246837991	4.899645551	5.598985817
5.414486546	6.541558607	4.825209266	1.355704643	0.222573485	4.110703444	5.533307189
5.476989222	6.568523034	4.055534116	1.619644379	0.345114493	6.301171671	5.192330186
4.472260855	7.067444278	2.398165508	2.947021068	0.679311539	15.18944358	4.602899225
6.628151264	7.637431	2.272998843	3.360068143	0.358469605	5.408289444	6.723700186

7.498291708	8.445008421	6.464708421	1.30632472	0.291470841	3.88716327	7.958564406
6.896818688	7.654311058	5.841653685	1.310298671	0.229966356	3.334383086	6.824350671
5.829681229	6.94738653	4.691755136	1.480764944	0.246533386	4.22893425	6.151472903
4.783072256	11.0278107	3.985960698	2.766663179	0.668990296	13.98662325	4.71966973
6.749982445	8.372938337	5.878986486	1.424214592	0.360024978	5.333717247	6.661707483
4.844003246	7.394870833	4.134873051	1.788415446	0.392722735	8.107400336	5.722152326
6.445065747	7.787434487	3.474978094	2.241002469	0.449576879	6.975520445	7.036142082
5.541687029	7.582994577	1.035955781	7.319805259	0.490325062	8.847938541	6.316904387
4.451427318	7.514963994	3.288894216	2.284951567	0.354503719	7.963821342	4.432894054
6.687403606	8.816528415	4.407865272	2.000181011	0.349083862	5.220020846	6.622025046
6.571103073	7.655289878	4.973047253	1.539355595	0.309787009	4.714383659	6.600206976
6.678835612	8.069454698	4.495704698	1.794925432	0.50318757	7.534061317	6.700768133
8.057014899	9.195049756	7.010555547	1.311600728	0.320066056	3.972514143	7.73714961
7.093674526	8.435010441	5.597510535	1.506921762	0.382113779	5.386683269	6.740736338
6.565271992	7.49579703	5.871652327	1.276607778	0.209552332	3.191830165	6.587095334
8.270508859	9.376583462	6.53715462	1.434352407	0.378082178	4.571450012	7.858671645
7.999223887	8.807480879	7.153190315	1.231266119	0.231655477	2.895974414	8.225081683
5.690190946	6.662869955	4.876389274	1.366353173	0.240605597	4.228427464	5.348440851
5.650735697	6.696755483	3.570704116	1.87547197	0.31560912	5.585274853	5.565376964
5.889361622	6.986216037	4.456163455	1.567764762	0.337221771	5.725947781	6.636581312
6.361607215	7.437827447	5.061059681	1.469618601	0.283291395	4.453141874	6.345337346
6.92037239	7.605536711	5.476140394	1.38884984	0.295454251	4.269340352	6.46076446
5.988428255	7.402826531	4.876532073	1.518051439	0.274068201	4.576629945	5.906532776
6.352098272	7.382226072	5.599197118	1.318443683	0.24442269	3.847904732	6.304829301
6.155570307	7.204709899	5.685852653	1.267129196	0.219714684	3.569363571	5.798273467
5.171905422	6.482006482	3.292104415	1.968955314	0.475950239	9.202609094	4.594979783
6.974899876	7.95151136	5.45981136	1.456371079	0.288766664	4.140083287	6.952238705
7.78666373	8.519868385	6.733202603	1.265351555	0.262087635	3.365852749	7.805216222
6.801594702	7.576795872	4.112080274	1.84257003	0.31405163	4.617323486	7.053929269
5.23894133	6.686002604	4.568496836	1.463501638	0.325029574	6.204107927	5.210888189
6.473323742	7.45856422	5.04890707	1.477263122	0.287504572	4.441374841	6.534707369
6.322819418	7.441707515	4.935043041	1.507931634	0.252722638	3.996992817	6.439266062
8.076431929	9.100013708	6.652058862	1.367999577	0.291330736	3.607171323	7.75084514
7.625460952	9.015396089	5.987039358	1.505818744	0.376016752	4.931069146	7.764160022
5.533767044	6.645421744	4.910318783	1.353358517	0.232884196	4.208420677	5.402586526
6.612742824	7.772018427	4.970241879	1.563710301	0.305987496	4.627240229	6.737724746
4.145136247	7.506245738	3.466715224	2.165232866	0.358252044	8.642708522	4.309844458
6.265436384	7.916070165	3.958070165	1.999982273	0.542967959	8.666083672	5.414706872
7.174754804	8.736490364	6.045790364	1.445053473	0.321019361	4.474290333	7.058171276
5.718341654	6.665613501	4.226073406	1.577259281	0.271922376	4.755266333	5.870493942
8.339752916	9.174642781	6.785994273	1.351996835	0.266158102	3.191438701	8.765482145
6.866590154	8.434104931	5.827674751	1.447250454	0.340238359	4.954982763	6.57388028
6.572390202	7.71973858	5.48293858	1.407956421	0.309796596	4.713606258	6.32199329
6.368258771	7.361767299	5.125472298	1.436310035	0.305433317	4.796182573	6.425625352
5.815909798	7.606519399	3.826870737	1.987660394	0.447496862	7.694356984	5.853219825
5.819596183	6.651984967	4.786309096	1.389794272	0.214424262	3.68452132	5.931798931
5.456735293	7.711410645	3.736773419	2.063654865	0.358903406	6.577255201	5.510363744

5.488591571	7.002184889	0.506166276	13.83376415	0.398719965	7.264522409	5.55270265
6.724701896	7.507616453	5.418957299	1.385435618	0.298979076	4.445982602	6.633378945
6.676300053	7.352569757	5.522805446	1.331310659	0.264276413	3.958426231	6.691633692
7.042366414	8.111211595	5.585940478	1.452076267	0.360480161	5.118736229	7.105555418
4.80448495	8.358931821	0.192080347	43.5178921	0.489021847	10.17844477	4.668106837
7.601954855	8.421148431	6.630838236	1.269997568	0.255417852	3.359896985	7.447847124
7.352134494	8.818132457	5.904326049	1.493503642	0.395593725	5.380664961	7.904931338
7.412545202	8.833945655	5.952613213	1.484044963	0.404451758	5.456314216	7.05043793
7.645755731	9.219400628	6.790615936	1.357667804	0.276726299	3.619345272	7.487543404
7.644658865	8.398489171	7.102753481	1.182427237	0.198945958	2.60241773	7.72722814
8.045186879	8.978336336	6.574884324	1.365550463	0.306719855	3.812464022	7.438875366
4.182084456	5.953683718	2.874238251	2.07139534	0.436584074	10.43938923	4.028151108
5.460507152	7.763601891	2.469589041	3.143681707	0.796016163	14.57769656	5.526997867
5.121182592	6.344543226	4.288671351	1.479372679	0.282622713	5.518700189	5.267493124
7.543239401	10.21018845	6.616369767	1.543170774	0.365287312	4.842578804	7.568219176
6.23975233	7.217614593	5.514310288	1.308888005	0.225962029	3.621330097	6.233904477
8.366425656	9.107751965	7.440822496	1.224024894	0.283683746	3.39074006	8.626640126
5.071556884	7.360010853	3.961647101	1.857815869	0.29302827	5.77787604	5.971833912
5.727905511	6.218995056	4.907581685	1.267221914	0.180546	3.152042222	5.775457337
4.630806589	6.907990714	0.315460822	21.89809391	0.535312599	11.55981337	4.690085218
8.31939667	9.244522369	6.748953517	1.369771231	0.338714818	4.071386797	8.23370113
7.783326816	8.884931848	6.312863805	1.407432842	0.369932419	4.752883024	7.641755738
7.359312577	8.437576232	5.960481803	1.415586275	0.340223718	4.623036656	7.51850396
6.972032034	7.857102714	5.846342664	1.34393469	0.284132069	4.075312156	6.474764627
5.894873362	6.99864296	5.183328738	1.350221704	0.225146221	3.819356373	5.903621966
7.263791591	8.139000135	6.413063288	1.269128304	0.25170797	3.465242174	7.036917168
6.310408849	7.629642459	5.65904108	1.348221784	0.200382606	3.175429853	6.320842344
6.178438673	7.631014382	4.865900016	1.568263704	0.355844831	5.759462063	6.032922265
6.629649174	7.508311701	5.689150687	1.319759682	0.233982407	3.529333164	6.713720226
6.123616067	7.121955134	5.402823953	1.318191227	0.258242488	4.217156746	6.127815068
6.584517605	7.039807501	5.55530496	1.267171066	0.178612481	2.712613001	6.551278556
6.052483713	6.907087713	5.10540598	1.352896859	0.267034129	4.41197601	5.679055436
6.947281758	7.995788713	5.453838713	1.466084557	0.322224018	4.638130844	6.579145711
5.59395117	6.659130704	4.36576119	1.525308054	0.270067368	4.827846361	5.581293367
7.352991948	9.196317849	5.956424066	1.543932693	0.507343143	6.899819101	7.325249645
4.73937827	6.620022124	3.484013562	1.900113764	0.441192628	9.309082394	5.107932305
8.388586122	9.50758329	6.828832753	1.392270632	0.313560861	3.7379465	8.63497096
6.521566792	7.400391408	5.172403783	1.430745108	0.212551471	3.259208683	6.411782789
7.572622842	8.911206886	6.694957827	1.331032564	0.353479826	4.667865192	7.322289089
5.681133366	6.80808858	4.278798578	1.591121539	0.376577276	6.628558974	5.951946771
5.978825845	6.781831807	4.500145276	1.507025083	0.248771649	4.160877997	5.930918535
6.362218607	8.392356784	4.414919528	1.900908211	0.520051783	8.174063403	5.229216701
6.918229727	7.819817266	5.90233558	1.324868293	0.276944321	4.003109637	6.490770695
3.459731446	7.444748531	2.348875559	3.169494656	0.358267325	10.35535072	3.633112878
5.307937746	7.503977399	3.773677399	1.988505271	0.569097988	10.72164022	5.289388359
6.565281727	8.142362322	5.182520708	1.571120075	0.308471337	4.698523989	6.542591015
6.762166657	7.593279749	5.593180907	1.35759595	0.2712504	4.01129421	6.704031916

3.755982217	5.034092454	2.713116611	1.855464831	0.287357673	7.650666492	3.5139137
5.748515493	6.605267514	4.749131295	1.390836998	0.243738995	4.240033713	5.486769366
5.619043085	7.172141648	3.484550673	2.058268719	0.260488701	4.635819598	5.562279907
7.591440686	8.69852922	6.326083945	1.375025892	0.333891316	4.398260225	7.799489457
7.139748694	8.908588105	4.560788082	1.953300163	0.437819757	6.132145208	7.25848969
3.729964492	6.846368631	3.005403343	2.278019903	0.298952883	8.01489889	3.852091269
8.894984772	9.564026692	7.966940627	1.200464161	0.226329545	2.54446242	8.574284049
5.815262827	7.114931331	3.923155612	1.813573571	0.313094025	5.384004726	5.79095626
7.308015756	8.367627202	6.113789428	1.36864825	0.339272037	4.642464497	7.836249646
6.254774222	7.02367005	4.614941241	1.521941382	0.277105932	4.430310707	6.170906812
3.606963679	5.031413707	-0.490983794	-10.24761665	0.337050742	9.344445124	3.759927424
5.157920322	6.106655985	-1.257449973	-4.856380863	0.4741575	9.192803898	5.325571008
5.198666062	7.968034394	1.51478135	5.26018781	0.399745815	7.689392043	5.446097941
8.034207572	8.746169638	7.133372343	1.226091842	0.245155874	3.051400794	8.007623025
9.3010598	11.19430427	5.670194048	1.974236539	0.672555845	7.230959263	8.320598636
6.221781544	6.931528065	5.537088065	1.251836341	0.209723347	3.370792517	6.326294761
5.870806946	7.339814656	5.008048201	1.465603836	0.323863933	5.516514779	5.720502594
5.791111413	6.895501938	4.924635572	1.400205525	0.280500161	4.843632608	5.596432843
7.528438036	8.707106072	6.160341329	1.413412927	0.299721988	3.981197516	7.258865223
4.500749629	7.88757682	2.279205606	3.460669279	0.436682793	9.7024458	4.613132883
7.044753592	8.960082151	6.079325585	1.473861208	0.289263871	4.106089268	6.727869555
6.530916269	10.20870718	3.216812997	3.173546982	1.181368544	18.08886373	5.284432349
6.202406621	7.686696408	4.914696408	1.564022631	0.410810655	6.623407336	5.557357957
5.990450749	6.624735408	4.753228444	1.393733856	0.214674959	3.583619467	6.141795095
8.843984283	9.794945958	7.983770118	1.226857213	0.264148596	2.98676013	9.012770935
6.536633912	8.082123283	5.094524017	1.586433444	0.543357072	8.312490488	7.376169245
6.924440423	8.235187134	6.216680532	1.324692027	0.301199127	4.34979737	6.955673676
6.887295972	7.582643937	5.434168877	1.395364058	0.249910528	3.6285725	6.958938045
6.484249154	7.420781739	5.737149995	1.293461343	0.181887493	2.805066386	6.387476642
4.974090313	6.46743939	3.872075293	1.67027728	0.257690637	5.180658597	4.791025627
8.427696324	9.478842454	7.374444197	1.285363642	0.326115275	3.869566046	8.019405377
6.260539102	7.603491463	5.241318594	1.450682939	0.280626973	4.482472966	6.160661332
6.812137062	7.476576469	6.024126469	1.241105496	0.183343228	2.691420126	6.698505858
8.401976743	10.83291317	7.332849692	1.477312863	0.396924032	4.724174376	7.660903234
6.804399645	7.921521789	6.177615933	1.282294315	0.217216146	3.192289657	6.919645142
7.85178889	8.820926345	7.017600784	1.256971808	0.247078851	3.146784184	7.836799471
6.570909916	7.806037409	5.806507086	1.344360266	0.241245505	3.671417024	6.48952078
7.149647853	8.349880238	5.596600862	1.491955643	0.405286236	5.668618153	7.678949017
6.456588478	7.1026548	5.229745998	1.35812615	0.232238692	3.596925724	6.459243653
5.584769736	6.165183447	4.328043059	1.424473685	0.225777146	4.042729715	5.662757377
7.281559572	8.410789278	5.284442414	1.591613385	0.363537535	4.992577911	7.16805098
4.960664365	6.407681028	3.878200856	1.652230317	0.378324815	7.626494909	5.919177704
6.201987625	6.81419044	5.560004095	1.225572918	0.17963312	2.896379849	6.182440917
7.702360153	8.822986197	6.295444598	1.401487387	0.360841142	4.684812638	8.030804786
6.584911264	7.66063079	5.680740994	1.34852668	0.234892328	3.567129742	6.618341294
7.872197949	9.618341219	6.240319556	1.541321904	0.386694131	4.912149482	7.62463486
5.364305577	6.98417605	4.069248275	1.716330776	0.283777583	5.290108456	5.557394904

6.764323371	7.593350811	6.084985284	1.247883184	0.215663888	3.188255154	6.726382375
4.670864108	6.893314354	3.29320662	2.093192183	0.351006223	7.514802712	4.587478483
6.214127411	8.962031769	5.061897133	1.770488719	0.45497031	7.321547825	6.138092474
7.233190071	8.335275053	5.914282261	1.409346846	0.361206164	4.993732507	6.621125537
5.236643288	6.803852351	3.419623343	1.989649639	0.40490463	7.732140751	5.319546355
6.200843113	7.05278317	5.346396027	1.319165871	0.211787818	3.415468088	6.123918484
5.643255329	6.637816671	4.806797337	1.380922932	0.299773212	5.312061827	5.940874515
5.880366828	7.511969816	5.167423274	1.453716759	0.308119225	5.239795985	6.1471893
6.382108904	7.650116457	5.480408662	1.395902555	0.310532589	4.865673617	6.274264913
6.200200441	7.0163681	5.529314971	1.268939848	0.203573434	3.283336343	6.108113996
9.074522069	9.922104314	8.080119136	1.227965101	0.287974886	3.173444113	9.147218968
6.24062162	7.082688314	5.539558397	1.278565511	0.244563717	3.918899936	6.496365174
6.550773274	7.664061655	5.688639811	1.347257325	0.311753351	4.759031309	6.809466634
5.366130453	7.685745755	3.723606807	2.064059433	0.301021234	5.609651799	5.531791514
8.416166995	9.744284473	6.990584761	1.393915503	0.336348034	3.996451517	8.531564746
6.754129482	8.009858586	5.595644524	1.431445216	0.309187766	4.57775894	6.540823205
6.081906201	7.134928992	5.210606288	1.36930879	0.229639674	3.775784545	6.023006687
5.327642068	6.32058594	4.391879976	1.439152703	0.265228784	4.978352156	5.03592514
5.619918867	6.730731308	4.936926901	1.363344332	0.209978228	3.736321344	5.646108259
6.376481146	7.686029686	5.156622958	1.490516128	0.304791099	4.779926288	6.709628864
5.705828915	6.650957863	4.931668135	1.348622349	0.213409413	3.740200005	5.884669789
6.555112166	7.835494472	5.025394472	1.559179984	0.290227388	4.427496894	6.52091957
6.54415729	8.132539855	4.774989855	1.703153326	0.408536723	6.242770528	7.076516077
5.203198837	5.941506779	4.596572339	1.292595078	0.187892767	3.611101042	5.148004415
5.069990266	6.960786586	4.477899552	1.554475822	0.249644652	4.923967085	5.060408402
6.410030797	7.098576171	5.31988406	1.334347909	0.18445459	2.877592883	6.39508057
5.522832633	8.347230174	4.219843184	1.978090135	0.574360511	10.399745	5.417490445
6.262641538	7.607173057	5.34704853	1.422686369	0.263828307	4.212732052	6.140375422
7.449260036	8.275463544	6.589516985	1.255852829	0.238742314	3.20491315	7.221521098
8.342014411	9.195570916	7.483749285	1.228738506	0.269770277	3.233874503	8.242446552
6.961257004	8.090961641	5.922664904	1.366101539	0.306878959	4.408384274	6.752648538
8.261045306	9.651202359	6.650702359	1.451155357	0.338937145	4.102836047	7.826127257
6.947189545	7.764418624	5.531538637	1.403663453	0.25877954	3.724952919	7.042799949
7.839921018	9.196565149	6.415092315	1.433582667	0.37502804	4.783569114	7.770395853
7.286664099	9.11670332	2.751990378	3.312767149	0.764511621	10.49192896	5.006883037
5.030391534	6.299546997	4.033808404	1.561687211	0.270685959	5.381011741	4.847447617
8.391540972	10.30846018	7.094156064	1.453091825	0.317658165	3.785456884	8.147864817
6.112016935	7.205519707	4.603181675	1.565334635	0.351498377	5.750939193	6.329392136
6.73783647	7.701561135	4.905661939	1.569933116	0.279019893	4.141090304	6.759236848
5.464766429	6.998010926	4.31508534	1.621754931	0.362089998	6.625900712	5.194784782
5.947383164	6.749029822	4.736253307	1.424972311	0.231277761	3.888731475	5.966781266
6.609997751	7.324624241	5.036530236	1.454299666	0.253044122	3.828202846	6.456688916
7.005702614	7.548831623	6.422031623	1.175458494	0.187294451	2.673457056	7.144718731
7.670179419	8.931996087	5.522218494	1.617465172	0.414128976	5.399208458	7.953575648
6.752685752	7.75866076	5.576073036	1.391420218	0.370941002	5.493236555	6.59867682
8.191987269	9.443422958	6.955165115	1.357756833	0.305899331	3.734128499	8.401136423
7.213252968	8.257562751	5.592719529	1.476484331	0.338357771	4.690779209	7.040337531

4.147610716	5.079785171	-0.413846154	-12.27457383	0.445679728	10.74545705	4.649327925
4.698138109	6.71709366	3.49999366	1.919173093	0.419996227	8.939631345	4.391915605
6.249882934	7.55826375	4.674395732	1.616949908	0.398494206	6.376026718	5.478535254
6.4214381	7.396455502	4.830817085	1.531098233	0.268081526	4.174789542	6.323900728
8.156795898	9.392089806	7.02590651	1.336779787	0.333669229	4.090689941	7.890779107
8.187740171	9.169078364	7.466406017	1.228044436	0.223590055	2.730790793	8.260749298
8.903676551	10.01435018	6.742156772	1.485333332	0.414208906	4.652110887	7.715214513
3.882508422	6.639304887	2.399548426	2.766897644	0.348929043	8.987206328	3.775919103
6.850799952	7.856865328	6.019307198	1.305277347	0.240027099	3.503636086	6.813610446
6.657746011	7.74670564	5.098269929	1.519477342	0.295877914	4.444115366	6.759107048
7.410984351	8.11909537	6.629072539	1.224770935	0.229568916	3.097684536	7.335024702
5.808209541	7.327195727	5.199539424	1.409200918	0.296094159	5.097856005	5.622259496
5.697146891	6.853630029	4.413413115	1.552909245	0.366485165	6.432784199	5.335041412
6.941763367	8.393231668	6.014416872	1.395518775	0.333397353	4.802776109	7.091751413
9.262562453	10.06390702	8.573673818	1.17381501	0.244062021	2.634929834	9.267004298
5.121544645	6.783444226	4.188594519	1.619503677	0.313911906	6.129242784	5.313388986
6.760498327	7.338920986	5.886070986	1.246828488	0.24460251	3.618113608	6.517191281
7.768820448	8.855826354	7.153139962	1.238033423	0.22484452	2.894191227	7.542081149
6.176774437	7.551460504	5.051573808	1.494872844	0.295911047	4.790705076	6.230893068
7.482335495	8.304497895	6.725774761	1.234727327	0.230956038	3.086683803	7.546255093
6.753898826	7.625223756	4.786236586	1.593156464	0.317607448	4.702579294	6.583440176
5.738421306	7.706027863	4.418902863	1.743878085	0.50751546	8.844165193	5.792443863
6.855357759	9.657904146	5.877539795	1.643188219	0.330503637	4.821099767	6.690216935
5.094102972	6.547599105	3.082737555	2.123956058	0.337727907	6.6297817	5.178240716
7.885035818	9.31383858	5.918350585	1.57372201	0.429321104	5.444757821	7.711461124
8.105414923	8.848697093	6.315484707	1.401111316	0.332000863	4.096037843	7.733683586
5.601453659	6.636063407	4.915891754	1.349920572	0.200797567	3.584740313	5.646163844
7.530801617	8.184147167	6.662360008	1.22841563	0.254831997	3.383862833	7.468580109
6.821931778	8.184687811	5.514583034	1.484189786	0.306609303	4.494464511	6.778032264
5.745920837	8.331200639	1.846153435	4.512734685	0.553359334	9.630472636	5.946021692
6.919069033	11.19061406	3.496825944	3.200220496	0.64758809	9.359468546	5.844111965
9.031104266	10.24169311	7.584600861	1.350327235	0.350099093	3.876592309	9.588020752
6.594204752	8.395616538	5.231166538	1.604922435	0.464407169	7.042656189	6.359145008
6.787984755	7.751575362	5.710704052	1.35737648	0.24525822	3.613122731	6.832051486
8.462712395	10.14573586	7.089483577	1.431096603	0.41094166	4.855909562	7.870676574
4.440813604	5.484888162	3.907974959	1.403511594	0.207448702	4.671412047	4.45885001
4.524576334	5.503926076	3.927012873	1.401555394	0.226529542	5.006646489	4.552494637
4.877512015	6.185743478	3.606875574	1.714986656	0.217457152	4.4583622	5.100335041
5.175437168	8.542907274	3.998777591	2.136379701	0.340669554	6.582430485	5.145030267
6.553862773	7.716398882	5.712447888	1.350804249	0.21147436	3.226713273	6.639653465
6.884610204	8.176054964	5.692908579	1.436182375	0.344590046	5.005222317	5.876531191
7.094468879	8.215268222	6.417468056	1.280141662	0.269245457	3.79514607	7.161562785
5.254001933	7.47508434	4.427590716	1.688296146	0.300621099	5.721754628	5.351917455
5.746595274	6.522218739	3.959782503	1.647115399	0.26170621	4.554108951	5.416612162
5.806990742	6.64216958	4.942126637	1.343990162	0.21662116	3.730351397	5.462656781
5.464401422	6.432477399	4.081889197	1.575857915	0.328033383	6.003098195	5.233343207
7.455148062	8.768054174	6.687168536	1.311175893	0.252857835	3.391721169	7.520250466

6.070725686	8.467992172	5.192592172	1.630783218	0.407281608	6.708944352	6.826887356
7.759113499	9.492772932	6.021338481	1.576522058	0.451900896	5.824130508	6.669189454
6.92365414	7.754754621	2.663065338	2.911965587	0.352927489	5.09741651	7.054967988
7.005181597	8.201738127	6.211834578	1.320340718	0.327150422	4.670120505	7.157295601
3.92955544	6.051204856	2.792821053	2.166699814	0.302969308	7.710014845	4.089796438
6.113858515	7.916247886	4.901096652	1.615199301	0.436951385	7.146900504	5.715114948
6.510527939	7.283358121	5.694733121	1.278963907	0.254612613	3.910782893	6.433416909
7.299814786	9.386085283	5.171868079	1.814834628	0.597566003	8.186043356	6.432462729
5.166099321	6.922539824	3.241840326	2.135373469	0.416280681	8.057930273	5.010630181
5.3883699	6.265385827	4.428676653	1.414730927	0.213423548	3.960818423	5.530514228
5.022379056	6.259899377	3.08474533	2.029308324	0.290789523	5.789876074	5.00918256
6.133500359	6.995138179	5.576760396	1.254337228	0.209238032	3.411396757	6.08938687
7.411764911	8.658114948	6.465745634	1.339074476	0.295331151	3.984626537	7.273147239
5.986299264	7.765129883	4.368162818	1.777664938	0.366774748	6.126902986	5.920474322
6.357264344	7.210131729	5.364287252	1.344098739	0.203291209	3.197778129	6.290896323
7.464886319	8.418948295	6.346424226	1.326565637	0.288716454	3.86766043	7.656718268
7.455333377	8.84655632	5.661506613	1.562579879	0.396481334	5.318089935	7.693253785
7.100147104	8.175978749	5.675405003	1.440598291	0.346018555	4.873399802	7.497461388
4.205914482	9.174682123	1.160918282	7.902952574	0.651440853	15.48868517	3.830410056
4.74368675	8.750946017	2.915954694	3.001056922	0.462802813	9.756184116	4.775434884
5.574111062	6.896646884	2.770889593	2.48896488	0.400669874	7.18804971	4.747452476
5.826713501	7.099805548	4.584471614	1.548663869	0.275833099	4.733939621	5.760511903
6.515476707	7.651284318	5.490581726	1.393528901	0.369545129	5.671804925	6.029459022
4.075178101	5.241252445	3.214696269	1.630403623	0.247720465	6.078764136	4.067453573
5.473517102	6.450790552	4.533221638	1.423003565	0.286609575	5.236296336	4.93988011
5.514139563	7.629724533	4.816994483	1.583918055	0.235609387	4.272822329	5.55040658
7.218120585	9.669226618	5.555843762	1.740370506	0.381804397	5.289526447	7.203402689
5.620053887	6.508434505	5.043004549	1.290586681	0.205527154	3.65703173	5.801762306
7.781074301	9.738494381	5.518558311	1.764680888	0.804781424	10.34280605	7.18679634
5.797598974	7.642619702	4.755567668	1.607088835	0.384270249	6.628092956	5.908675913
7.059718602	8.046398334	6.064108162	1.326888987	0.319153788	4.520772091	6.767415453
6.203761038	8.356226521	5.123526521	1.630952136	0.308519627	4.973106236	6.230172129
7.06369613	8.596921399	6.020788442	1.427873024	0.287701971	4.072966411	7.261080352
6.190474838	7.364780826	4.817793928	1.528662483	0.412640395	6.665730918	6.341940516
6.746936828	7.536157418	5.269888037	1.430041277	0.279857519	4.147919656	6.864296799
6.297640973	6.971864621	5.330975249	1.307802849	0.204079345	3.240568116	6.418736127
4.134412379	5.182062168	3.642404278	1.422703734	0.202276173	4.892501156	4.116731686
5.734765495	6.632378145	4.584003695	1.446852705	0.257640306	4.492604029	5.825127859
6.151242738	8.290974185	4.79748166	1.728192992	0.580794218	9.441900485	6.581532346
4.025257503	9.369118845	2.638769964	3.550562941	0.524232894	13.02358652	3.758722688
8.484872431	9.571702116	6.203709332	1.542899837	0.406095834	4.786115969	7.667527733
6.166514607	7.256026829	5.308885795	1.366770186	0.248425417	4.028619615	6.082231547
5.108577453	6.846236408	4.319150807	1.585088531	0.257859155	5.047572583	5.169457365
5.066962927	5.733047937	3.920847937	1.462195941	0.211082691	4.165862162	5.158073437
5.127196725	9.460123953	3.496604367	2.705517399	0.619824762	12.08896001	5.331669785
4.450668585	5.228482985	2.957045163	1.768144447	0.215925327	4.851525628	4.433843012
5.865668838	6.723281239	5.272374119	1.275190472	0.149887528	2.55533566	5.795806564

4.045301584	5.263396206	0.019524057	269.5851667	0.472077203	11.66976537	4.226334886
6.858807852	8.396500733	6.037884882	1.390636108	0.271225767	3.954415586	6.644162997
8.004031388	9.521454976	6.955854976	1.368840352	0.336291883	4.201531289	7.956026058
7.089467966	8.318151175	5.094476077	1.632778533	0.403083237	5.68566272	7.062958787
6.713092879	7.733860004	5.441910135	1.421166431	0.302705304	4.50917795	6.35806753
6.342743296	7.520316897	5.111970647	1.471118951	0.331298372	5.223266275	6.078363656
4.05123018	6.333639524	1.756515685	3.605797305	0.304268009	7.510509032	4.214834561
6.554867024	7.297399273	5.110535426	1.427912863	0.266811961	4.070440477	6.427421262
6.186218672	7.235860767	5.262031696	1.375107788	0.279010081	4.510187814	6.250992853
4.424529699	5.958501453	2.323061945	2.564934381	0.262489291	5.932591913	4.369155613
5.412988547	6.211084364	4.575964852	1.357327813	0.240947931	4.451292087	5.423405662
9.070391634	10.12167064	7.489933662	1.351369865	0.438283362	4.832022475	8.596874897
4.526451245	8.872217341	3.314715224	2.676615257	0.404675551	8.940238808	4.517082091
5.266493084	7.974004349	3.396077449	2.348004269	0.703812084	13.36396104	4.774515423
6.696199123	8.14117435	5.194079963	1.567394882	0.366319491	5.470558505	7.027336725
10.23686334	11.56077701	8.975731962	1.288003815	0.425394039	4.155511552	9.605473089
7.399296726	8.337754745	6.033053134	1.382012483	0.305476192	4.12844901	6.884352303
8.284915456	8.997254125	7.394709988	1.216714941	0.229499208	2.770085092	8.229228917
6.15594166	7.556115988	4.388497311	1.7218003	0.359710671	5.843308635	6.313589353
6.256547627	7.33606413	4.445328411	1.6502862	0.24581788	3.928970014	6.45672287
8.734981392	10.0436866	6.610241094	1.519413053	0.555676788	6.361510834	7.801146853
6.818529802	8.607857547	5.547168357	1.551757039	0.405925876	5.953275675	6.220533326
9.205537734	10.56424241	6.582744377	1.604838621	0.683511225	7.425000519	8.899110435
6.597653897	7.834978094	4.936376909	1.587192031	0.365139183	5.534379175	6.743611655
6.2581392	7.163075874	5.137932025	1.394155438	0.295696731	4.724994471	6.378442935
7.78143743	9.446306481	6.008385091	1.572187258	0.319417091	4.104859724	7.731211131
6.847413883	8.154167878	6.158172012	1.324121486	0.26030804	3.801552589	6.933928188
5.222612364	7.683318126	3.891559111	1.974354727	0.46550393	8.91323916	5.711514278
7.549685094	8.683645115	6.529242463	1.329962115	0.305209773	4.042682163	7.762698329
6.873428574	7.641083196	6.111341174	1.250311998	0.214265248	3.117297948	7.480184503
6.504699498	7.519454553	5.877047219	1.279461313	0.198028335	3.044388675	6.940763429
6.967107699	8.12723181	5.48783181	1.480954973	0.450988377	6.47310759	6.891024984
6.928076482	8.253331002	5.539104443	1.490011804	0.339658786	4.902641978	6.983846107
9.44479852	10.63057133	7.642103765	1.391052995	0.459115738	4.861043214	8.209765612
7.205869382	8.061176307	6.32400283	1.27469524	0.274133864	3.804313533	7.252660338
4.77010433	5.867705644	3.799938235	1.544158163	0.226313125	4.744406191	4.83607638
7.08563862	8.181433737	5.586828744	1.464414628	0.345104309	4.870475726	7.002708536
6.683282986	8.102109945	4.798617557	1.688425854	0.319062553	4.774039251	6.572903394
5.64937146	7.944361615	3.130967553	2.53735035	0.694625012	12.29561584	5.64250548
7.424296431	8.737709609	6.560209609	1.33192537	0.283201437	3.814522222	7.512796778
5.4329766	6.243775281	4.593325881	1.359314676	0.233264737	4.293497911	5.098644347
6.573839319	7.796648564	5.078555268	1.535209947	0.307145556	4.672240093	6.485316477
6.619457424	7.22485138	5.377275849	1.343589502	0.24111752	3.642557149	6.316932896
7.189714859	9.304002368	5.405702368	1.721145882	0.530011311	7.371798759	7.616399657
6.801940715	8.032259726	4.778347601	1.680970159	0.299637207	4.405172283	6.544210802
9.139981316	9.877462095	8.162793894	1.210058985	0.256504889	2.806404962	8.964569274
4.718023812	6.97544589	1.657775296	4.207714946	0.490486519	10.39601617	4.721628024

5.815813864	7.130350645	3.901519148	1.827583147	0.516486165	8.880720344	5.295969051
5.397439181	6.394337874	4.784742009	1.336401809	0.236019699	4.372808861	5.415245844
6.763462931	7.688051081	5.80205554	1.325056444	0.286040845	4.229206953	6.695079312
6.156482402	7.375908153	4.317897502	1.708217518	0.351676069	5.712289025	6.266315662
6.677659367	7.364264963	5.929191013	1.242035372	0.233026277	3.489640064	7.108827126
6.752908932	8.677581121	5.875727259	1.476852267	0.34138922	5.055439425	6.69474973
4.998622809	6.199961635	3.850957504	1.60997924	0.224232887	4.485893328	4.885665274
9.139528831	9.736396159	8.268913241	1.177469865	0.208502212	2.281323428	8.959283317
7.893793745	9.604977358	5.304317063	1.810784922	0.358697058	4.54403889	7.659585874
6.887637	7.791813068	5.18768645	1.501982269	0.271450489	3.941126523	6.813317361
5.309041291	10.3050724	3.594399045	2.86698062	0.566929765	10.6785714	5.13357614
5.155094265	6.434209296	4.262722346	1.509413181	0.219802412	4.263790354	5.100377057
6.745427736	7.443012561	5.562508132	1.338067718	0.242070711	3.588663611	6.729643411
7.307884237	9.036198166	5.618480295	1.608299343	0.560316993	7.667294323	7.558030631
7.684249887	8.510575116	5.894964372	1.443702553	0.360920522	4.69688684	8.066536747
6.359493308	7.053922806	5.126022806	1.376100551	0.251029054	3.947312174	6.184733562
7.898781397	9.5731507	6.288906435	1.522228196	0.43266342	5.477597097	8.34785077
7.520036724	9.139334915	5.373728273	1.700743776	0.416322777	5.536180111	6.619884005
5.163807688	7.111825535	3.495666746	2.034468973	0.409233234	7.925028568	5.237199934
6.47430942	7.485389451	5.368920833	1.394207455	0.244161372	3.77123421	6.473567782
6.698067353	7.626209686	5.651823869	1.349336048	0.233119937	3.480405987	6.671225653
7.126459485	8.515905531	6.197981331	1.373980507	0.298114785	4.183210265	7.099377553
6.507026549	7.154506716	5.7347225	1.247576795	0.202712067	3.115279544	6.409850088
7.156458862	8.5207258	6.0682258	1.404154374	0.289816078	4.049713467	7.029727734
7.301276029	8.779082041	6.012323139	1.460181337	0.380975971	5.217936836	7.128083159
7.452915393	8.191812686	6.682771155	1.225810745	0.238423519	3.199063813	7.551907536
5.647962399	8.101544427	4.712047175	1.719325831	0.327578927	5.799948797	5.644104462
8.279723737	9.603347483	6.978810878	1.376072178	0.317935308	3.83992653	8.359016324
7.516882211	9.480011264	5.484477669	1.728516704	0.457503998	6.08635316	7.579927845
4.51132556	5.559645911	3.986074534	1.394767173	0.248410463	5.506374117	4.718382029
6.672383537	7.820097141	5.398724429	1.448508299	0.386808628	5.797158179	7.027547372
6.351944928	7.449236806	4.919970718	1.514081533	0.276333201	4.350371485	6.454765727
6.340153057	7.171162858	5.67645697	1.263316695	0.216268733	3.411096401	6.340633846
7.222388755	9.253061134	4.428119034	2.089614363	0.72854074	10.08725458	6.897007532
6.518003274	7.906306859	4.674062368	1.691527891	0.306385282	4.700600314	6.421395171
6.045073971	6.847546686	4.980051368	1.374995192	0.237188742	3.923669799	6.269438996
6.798203122	7.680754645	5.963812121	1.287893463	0.292437593	4.301689549	6.592219089
4.839041617	7.775330592	2.850117735	2.728073474	0.398388564	8.232798888	4.926649434
6.789807812	7.71770917	5.904373595	1.30711735	0.219189539	3.228214179	6.390720821
6.899837992	8.076868156	5.834320048	1.384371802	0.234079068	3.392529921	6.541537175
5.482579077	7.596402796	3.898779974	1.948405103	0.464961556	8.480708608	5.670668818
7.217292758	7.973634571	6.270771043	1.271555685	0.303698829	4.207932791	7.158735034
5.204351102	6.818677142	3.820824866	1.784608659	0.343194349	6.594373476	5.198736879
6.911678009	7.635579087	6.170047003	1.23752365	0.210705611	3.048544952	6.87540167
6.367579217	7.417218928	5.362657338	1.383123787	0.331250966	5.202149113	6.035081647
7.512041527	8.280646121	6.567836861	1.260787424	0.225856	3.006586148	7.614738208
6.010916792	7.016077046	4.764817837	1.472475399	0.247491497	4.117366871	6.125329375

6.006847332	7.055637813	4.832890624	1.459920855	0.300015315	4.994555348	6.849574798
6.327787143	7.191745089	5.381649477	1.336345877	0.28889258	4.565459821	5.898795127
7.516271639	9.045840064	5.673202873	1.594485561	0.311001622	4.137711313	7.636882743
6.040589176	7.180111095	5.046759185	1.4227172	0.334836161	5.543104348	5.718314025
7.079846553	7.95987791	5.654266193	1.407764976	0.207561311	2.931720473	7.053451993
5.636229143	6.457104469	4.805428578	1.343710423	0.239665133	4.252224801	5.593222751
8.830870618	10.4035866	7.119686622	1.461242208	0.456353808	5.167710269	8.414038946
6.949175063	8.532661758	6.036758993	1.413450788	0.400484128	5.763045597	6.676160891
5.723330219	6.81079253	4.399633664	1.54803628	0.25890555	4.523687091	6.168041573
7.556105092	9.070775796	5.936709526	1.527913023	0.457436048	6.053860317	7.023127514
4.182658083	5.780612044	2.370185345	2.43888608	0.373335403	8.925793022	4.93352583
6.726442193	7.606694907	5.73165838	1.327136826	0.322208851	4.790182411	6.810633709
4.505288119	5.791621368	2.83566865	2.042418238	0.236704045	5.253915824	4.491434324
5.974291	6.445288481	4.910704144	1.312497819	0.164123588	2.747164266	5.841437644
6.664453319	8.226613034	4.685118238	1.755902971	0.484315632	7.267147192	6.303800901
7.761112745	8.58951389	6.688485538	1.284224036	0.257644345	3.319683057	7.336957778
5.146758027	6.152891917	4.467941917	1.377119943	0.234505233	4.556367943	5.104966297
6.333632015	8.267895491	5.277891801	1.566514776	0.480362185	7.584308405	6.406534724
5.804994488	6.915987952	4.038941501	1.712326843	0.452527322	7.795482365	5.391777454
7.108618603	8.272000212	5.883769004	1.405901592	0.277008422	3.896796796	7.110412566
5.672824408	7.879069026	4.529316635	1.739571256	0.452657158	7.979396602	5.707319508
5.554969301	7.144900209	2.28136192	3.131857399	0.410517332	7.390091825	5.24952386
6.131306741	7.069943171	5.327017183	1.327186102	0.224050275	3.654201045	5.97519297
6.72276524	7.749021467	5.74590189	1.348617087	0.237982208	3.539945243	6.857984378
5.202695409	6.868686909	4.262837042	1.611294741	0.349381488	6.715393862	5.959960736
7.814076021	11.83118048	6.294958532	1.879469168	0.403557101	5.164489062	7.891811683
6.136523923	8.658143198	4.069921382	2.127349004	0.709897505	11.56839791	6.868256234
5.779768557	6.592738775	4.923283344	1.339093916	0.222410344	3.848083917	5.530147752
6.067497932	6.927391326	4.861062477	1.425077616	0.225592688	3.718051334	5.878037753
6.148340413	7.11202269	4.43672981	1.602987559	0.257720856	4.191714167	6.124190632
7.074907657	8.363406204	6.404845394	1.305793612	0.240017319	3.392515218	7.00502794
5.838372499	9.366867058	2.219525673	4.22021118	1.194898601	20.46629606	6.218071177
6.677388765	7.538319405	5.266404677	1.431397674	0.308857625	4.625425242	6.258111161
5.480571524	7.345425638	3.832029554	1.916849945	0.334463766	6.102716921	5.445849261
5.111823383	7.475837287	2.94458515	2.538842284	0.569854818	11.14777986	4.491498515
6.91020404	8.678991975	5.098191975	1.702366646	0.42089919	6.090980643	6.292830728
4.184486563	5.237581019	3.660667816	1.430772002	0.223527417	5.341812287	4.150540243
7.238863988	8.579059362	5.892946417	1.455818321	0.410417298	5.669636814	7.947139354
7.651029894	8.838833519	6.380058663	1.385384365	0.286986746	3.750955756	7.91702371
5.96903776	9.09398543	4.614855498	1.970589423	0.508152935	8.513146605	6.472390866
7.707785734	8.764885137	6.688973653	1.310348282	0.240810013	3.124243739	7.716870203
4.397993247	7.124751611	0.307551538	23.1660412	0.48875696	11.11318124	5.022182752
7.183283548	8.480829929	5.665583801	1.496903095	0.385782744	5.370562655	6.756278631
8.035940808	9.353271023	6.659875655	1.40442127	0.345369563	4.297811188	7.901192884
10.90307462	11.49865524	10.09867887	1.138629656	0.185823536	1.704322339	10.84352636
4.896587889	5.881179263	4.213420116	1.395820759	0.190743206	3.895431069	4.892578438
6.209235164	6.917900522	5.572845954	1.241358649	0.227288526	3.660491507	6.3230968

6.274713954	7.473844359	5.628955195	1.32774984	0.23498134	3.744893261	6.624483829
6.955152581	8.338847504	6.083239284	1.370790645	0.324119158	4.660130089	6.37139617
3.874240556	6.108489548	3.029541135	2.016308502	0.255225817	6.587763812	4.275119616
4.173288351	6.164676121	2.538034615	2.428917275	0.327627707	7.850588784	4.486484346
6.358657654	7.380328055	5.495224966	1.343043843	0.301336524	4.738995879	6.422281137
9.709508847	10.78766445	7.873326045	1.3701534	0.355020597	3.65642179	9.424689053
4.78593285	5.955273993	4.113207737	1.447841775	0.234686815	4.903679655	5.262464934
6.744915745	7.65100384	5.60170384	1.365835121	0.274460586	4.06914773	6.554344704
7.204167973	8.556685005	6.109182851	1.400626764	0.346406236	4.808414201	7.38896665
7.909024665	8.709049041	6.796398953	1.281421103	0.298583407	3.775224123	7.423914439
7.489215158	8.430052303	6.54837921	1.287349439	0.26499618	3.538370503	7.390463947
7.433755229	8.610871196	5.862981146	1.468684784	0.382149413	5.140731718	7.127308151
4.239323797	5.249115963	3.153574202	1.664497369	0.267823416	6.31759754	4.233274674
4.598235621	9.867099023	3.597980281	2.742399416	0.652407433	14.18821232	4.876361436
6.042202249	7.244250577	4.689068921	1.544923032	0.284497571	4.708507917	5.505334559
6.696903431	7.719604017	5.627704017	1.371714645	0.301541119	4.50269474	6.467292189
4.351237361	5.146481338	3.415803725	1.506667757	0.223977038	5.147433238	4.431764475
5.507476424	6.334019637	4.101593897	1.54428249	0.248493565	4.511931519	5.630501162
5.891881793	6.868459897	4.441997439	1.546254808	0.31606115	5.364349812	6.517516021
5.563682687	7.332169241	4.817472918	1.521994906	0.300125276	5.394363639	5.576616688
6.666605461	8.6681997	5.139578203	1.686558577	0.542960307	8.144479375	6.859377907
7.165442833	8.920899413	5.004132746	1.782706388	0.507797228	7.086752905	7.016710126
6.401606539	7.717411316	4.919442764	1.568757212	0.427354235	6.675734163	6.117483982
6.21936645	8.165521731	5.201947361	1.569704798	0.3663939	5.891177232	5.973153488
7.067524998	9.098634336	5.633604846	1.615064348	0.472535261	6.686007629	7.79057117
5.250944984	7.592430383	3.562085155	2.131456732	0.579392028	11.03405254	5.896770466
6.7344452	8.653624028	5.460944683	1.584638653	0.324222659	4.814393006	6.529059886
5.231367657	7.95580981	4.190894658	1.89835595	0.433944605	8.295050808	4.8754634
8.697592233	10.40617405	7.165441973	1.452272461	0.379604806	4.36448152	8.463930848
8.414461628	10.1625526	5.905259102	1.720932549	0.448152459	5.325978999	8.522164572
5.143180415	7.037336809	4.283437491	1.642918059	0.345774922	6.72297866	4.497479431
5.964492133	8.027229464	4.781470004	1.678820416	0.423203189	7.09537677	6.699657035
5.71579661	6.761242584	4.514387191	1.497709943	0.30453974	5.328036688	5.18872129
5.259950208	6.135246912	4.384637696	1.399259719	0.251455722	4.780572296	5.135067081
6.687954805	7.435249173	5.901581101	1.259874099	0.24016046	3.59094024	6.402442315
5.989897226	6.886598899	4.457075217	1.545093713	0.315843295	5.272933453	6.127510911
5.140135364	6.807901015	3.191409407	2.13319576	0.499515349	9.717941523	4.678012459
8.129138333	11.56783485	6.348062445	1.822262297	0.631600756	7.769590454	7.174520114
7.454474111	8.507960625	5.788148191	1.469893366	0.417637542	5.602508449	6.932530291
5.659781757	6.489729155	4.521794534	1.435210978	0.226328106	3.998883988	5.751430764
5.168998818	5.856763679	3.459756359	1.692825469	0.228147438	4.413764563	5.22797793
5.721035471	7.030103235	4.390571134	1.601181947	0.264908004	4.63042058	5.487600067
4.435449613	6.7225977	3.255164533	2.065209802	0.377151594	8.503119796	4.918426762
5.062019798	6.143003982	3.480386729	1.765034883	0.26732754	5.281044927	4.990155556
6.787150464	8.400804236	2.673599042	3.142133172	0.388009542	5.71682541	5.273926493
8.049205397	8.948303715	6.775933315	1.320600912	0.286145753	3.554956527	7.692735232
6.005423345	7.039951919	5.290332612	1.330720095	0.210647182	3.50761586	6.136184814

5.777502496	7.340627299	4.535444099	1.618502431	0.350578947	6.06800166	5.456811748
8.073252632	9.312304831	6.161417321	1.51139005	0.504890343	6.253865282	7.507743838
6.225343609	6.74148437	5.584289516	1.207223291	0.147448218	2.36851534	6.15682302
6.535055734	7.43679452	5.906782587	1.259026282	0.228691895	3.499463573	6.765238428
7.655841404	9.390829395	4.825511606	1.946079538	0.464647473	6.06918885	7.551071268
5.71882002	7.608428435	4.500487212	1.690578837	0.339862847	5.942884123	5.762590267
7.64667227	9.567435796	5.235835658	1.82729872	0.514976751	6.734651797	7.401375612
5.502645815	7.324320938	3.477098778	2.106446036	0.360197754	6.545901117	5.501472253
6.250558212	7.054563928	5.273645922	1.337701475	0.220859928	3.533443266	6.425179615
6.361440434	7.212724065	5.568316838	1.295314953	0.203992125	3.206697091	6.400145085
5.579350883	6.713352362	4.827355236	1.390689526	0.275683336	4.941136382	5.681105321
5.92275385	6.870404729	4.238134475	1.621091726	0.260014591	4.390096195	5.782283939
5.618655305	7.450519486	4.715535333	1.579994414	0.274601702	4.887320674	5.506837769
6.054669717	11.13186577	4.610344514	2.414540982	0.542164341	8.954482519	5.280995939
7.78900892	9.928405695	6.749868454	1.470903583	0.435163758	5.586895099	8.137560664
7.328673835	8.942755759	6.025870463	1.484060405	0.329091814	4.490468827	7.501380385
9.589327759	10.85024046	8.166878525	1.328566407	0.324574836	3.384750679	10.11206646
6.392625832	7.326561814	5.50592848	1.330667814	0.311696392	4.87587417	6.181545766
5.809417024	6.493365077	4.842769315	1.340837165	0.184795392	3.180962752	5.982800915
5.57394846	6.752264398	4.587508985	1.471880365	0.23819564	4.27337357	5.937612822
5.752043773	6.862515247	4.676245843	1.467526618	0.243286614	4.229568188	5.805117269
8.493652607	9.39391479	7.40186479	1.269128126	0.300103038	3.533262452	8.314018173
6.43842701	7.45778568	5.505736599	1.354548215	0.248032376	3.85237536	6.49892622
8.852158231	10.40187972	7.588625485	1.370719868	0.32951108	3.722381275	8.481354107
8.651849655	10.31536973	7.050604008	1.463047666	0.656819586	7.591666669	7.939043414
4.79674675	5.624644478	3.121180202	1.80208899	0.202676753	4.225296089	4.699103918
6.369002206	7.298775344	5.350314934	1.36417677	0.255671948	4.014317147	6.647133861
4.314178271	6.662832895	2.720786512	2.448862807	0.38884709	9.013236482	4.053592076
4.604854637	7.280121519	2.843976377	2.559838956	0.413660651	8.983142426	4.639427977
7.250913189	8.888780198	6.149513531	1.445444449	0.441801381	6.093044686	6.897168858
5.703763502	6.562857213	5.052738771	1.298871268	0.198885512	3.486917232	5.478901674
5.107619242	5.827722145	3.836496543	1.519021868	0.242175148	4.741448736	4.855804754
4.896525567	5.816109064	3.919500419	1.483890405	0.266706933	5.446860832	5.179037879
6.509586486	7.687951708	5.143680038	1.494640345	0.289552812	4.448098388	6.43980906
4.4786189	5.89425323	3.777714163	1.560269776	0.264168427	5.89843505	4.389652738
5.469981087	7.361891849	3.168880585	2.32318374	0.503269583	9.200572632	5.293219661
7.644974083	9.348579368	6.099147061	1.532768316	0.552885211	7.232008959	7.033598962
7.197704188	8.281586167	5.957312574	1.390154716	0.282972425	3.931426158	7.171696381
7.172885481	8.256926728	6.235176717	1.324249031	0.300466188	4.188916568	7.192584474
5.585915564	8.187223619	3.747101108	2.18494868	0.389049877	6.964836339	5.38730797
5.588878506	6.694238571	4.365238571	1.533533268	0.331562108	5.932533831	5.386842065
7.153777174	8.383593184	4.60716449	1.8196861	0.574147696	8.025797872	6.86280426
8.043926238	9.528458917	6.678069199	1.426828419	0.440286736	5.473530247	8.277998867
4.895063051	6.17972005	3.71299222	1.66435039	0.261519072	5.342506719	5.100228197
5.314903548	7.327857899	3.905038503	1.87651361	0.366164429	6.889389916	5.013272058
5.925480332	6.803182279	4.610081186	1.475718541	0.267252025	4.510217058	6.079804608
6.540859124	7.887582507	4.407071688	1.789755889	0.36164088	5.528950757	6.425507232

7.702483107	8.455875461	6.469712246	1.306994058	0.253493079	3.291056602	7.46517558
5.344660994	6.125070257	4.309150799	1.421410051	0.215561284	4.033207795	5.348505644
5.071128415	6.296525628	3.836319794	1.64129321	0.280492488	5.531165149	4.993944492
6.995772727	7.848824222	6.384243343	1.229405554	0.199739078	2.855139601	6.992034778
5.554297484	6.808083799	2.227231199	3.056747679	0.352568791	6.347675682	5.196787153
4.533974754	5.970527984	3.675311896	1.624495595	0.208113684	4.590093576	4.586557784
5.130777414	7.701216398	3.20728666	2.401162482	0.506729207	9.876265643	5.69590958
7.622535849	10.38571879	4.911064273	2.114759289	0.919090377	12.05754089	7.312673328
5.18384614	8.22741425	4.174280254	1.970977929	0.669188474	12.90911142	4.867936891
5.377588799	7.184267652	4.665064696	1.540014581	0.256096706	4.762296185	5.090572918
6.852797593	7.970854519	5.595049778	1.424626202	0.29507019	4.305835475	6.93976467
5.893812368	7.132311432	4.479885654	1.592074437	0.311134158	5.278996656	5.794758138
5.9490847	7.679917884	4.736427349	1.621457972	0.312286986	5.249328284	5.967145651
6.772311664	8.690141422	5.523436179	1.573321596	0.314161351	4.638908644	6.690658845
6.678515189	7.804976107	5.662516208	1.378358281	0.296861576	4.445023589	6.93074279
3.775750508	4.85280397	2.340872502	2.073074875	0.257393694	6.817020704	3.798007948
6.215336793	6.897744855	5.132644855	1.343896773	0.248232405	3.993868933	6.009545077
6.055238428	6.811481191	5.030615986	1.354005396	0.223666232	3.693764241	5.970123033
6.071002233	7.24088592	4.81168592	1.504854232	0.311908248	5.137673085	6.208263715
5.359555088	6.42386806	4.618797647	1.39080959	0.242539135	4.525359493	5.38553558
7.40004958	8.397320921	6.364238604	1.319454132	0.265209813	3.58389238	7.095942477
8.179389211	9.256017701	6.857358152	1.349793535	0.288309145	3.524824868	7.654909861
4.507424802	6.551055227	3.483723572	1.880475041	0.327839803	7.273328283	4.472880966
7.156923253	8.517321016	5.741124842	1.483563108	0.32683421	4.566685967	6.960120524
4.495126399	6.346407473	3.977424649	1.595607216	0.211501761	4.705134911	4.521821446
4.935207111	8.338568331	3.215852953	2.592956971	0.745207424	15.09982069	5.20334337
7.083607652	7.752530109	6.058700002	1.279569892	0.224992459	3.176241116	7.247114676
7.986522556	9.032617347	6.723742493	1.343391327	0.304106407	3.807744925	7.880118919
4.395638247	6.475142866	2.175887595	2.97586276	0.35092214	7.983417208	4.30170554
4.795246098	7.497526176	3.590781001	2.087993162	0.507176669	10.57665568	4.461709124
7.624762557	9.715624743	5.992633989	1.621261162	0.568215285	7.452235799	7.617144462
4.85325952	9.688411891	2.672128525	3.625728255	0.571838994	11.78257606	5.401268273
5.291050065	8.546487351	3.483850705	2.453172674	0.606536377	11.46344053	6.307186235
7.275232813	9.501673184	5.755826649	1.650792104	0.377289482	5.185943756	6.812027355
9.559148424	10.87692547	7.8973576	1.377286685	0.393630514	4.117840802	9.255790036
4.771675028	8.205184268	3.426017083	2.394963034	0.568150339	11.90672741	5.107756467
5.606271057	7.238726601	4.549956353	1.590944185	0.297975726	5.31504316	5.282210418

ATC.Max	ATC.Min	ATC.MFC	ATC.SD	ATC.CV	PDTC.Mean	PDTC.Max
7.447077037	3.275192971	2.273782676	0.728156907	11.99362758	5.871739507	8.129635512
8.258339244	1.60309174	5.151507577	1.032417579	25.67704773	3.862951505	4.983206618
13.56770227	1.053492699	12.87878149	2.790284364	42.72689814	4.091117989	8.770589531
8.513616228	1.696640794	5.017924983	1.182952334	27.86554212	3.692859355	4.450554841
8.966282555	7.087864634	1.265018876	0.335085617	4.355111964	7.832402124	8.817534483
6.558798743	2.20691729	2.971927753	0.583167632	15.16725405	3.962695022	4.452083622
9.732717741	6.574266646	1.480426375	0.595866548	6.9640289	8.842524056	10.36301002
7.912705495	3.5995445	2.198251888	1.17760831	20.85436592	8.179744262	10.79151739
8.19893138	5.230949642	1.567388704	0.576784289	8.517380916	6.315201821	6.98118909
8.383766701	4.79836781	1.747212184	0.860192061	14.0048101	8.053894121	11.0304254
8.684821828	6.238603952	1.39210982	0.531957027	7.312858904	7.24102359	8.025921689
9.04749917	6.505225126	1.390804929	0.457476111	5.687168779	7.50385483	8.603654907
5.375710191	3.174983939	1.693145633	0.415657235	10.00348737	4.106349369	4.647962362
8.888790291	6.68482279	1.329697222	0.464814503	6.07654674	8.069251384	9.11698913
8.223695941	-0.059515835	-138.1766028	1.351150732	33.19760691	5.497094692	10.14034184
8.121820076	5.527725977	1.469287752	0.588342946	9.174367114	5.772123619	7.774108473
7.269953988	4.736471995	1.534887992	0.484538904	7.951738225	5.869913437	7.496769129
8.14134585	6.339293851	1.284266993	0.380287167	5.159526178	7.834191548	8.787098381
7.476880744	4.804289313	1.556292774	0.520596	8.62612791	6.002467595	7.371568608
8.834926065	0.098632754	89.57395741	1.180450394	22.83806475	6.122357027	6.971287195
7.357856206	1.290469774	5.701688139	1.199776374	27.088531	6.970711908	10.00937831
9.325484049	6.125287183	1.522456625	0.657092228	7.939472049	8.41721101	9.308537503
8.524383436	3.345782811	2.547799399	0.693564873	11.16349366	6.692035805	8.142382982
6.461591718	3.773648416	1.712292987	0.606203227	11.2447059	6.503662024	7.844563853
8.863854583	1.892825256	4.682869988	1.141153284	16.77961508	5.963383831	6.88594123
6.838577932	3.705430876	1.845555392	0.626959147	13.40303111	4.544335527	7.64462347
5.446076719	3.490647488	1.560190978	0.345856371	7.736912852	4.61618558	6.07219462
9.457245162	7.00025905	1.350985027	0.526033624	6.440935734	7.490613694	8.332335508
10.2322239	5.204444704	1.966054879	0.781290958	11.30198855	7.166075627	9.293234988
8.815325957	6.154261747	1.432393733	0.502063811	7.147253361	7.306965412	9.472811739
7.581564739	3.296736071	2.299718441	0.570580046	10.11508109	6.131850842	6.77967656
8.936108358	6.300505545	1.418316085	0.531670307	6.925769336	6.939707192	7.703457978
12.59573391	5.662703653	2.224332171	1.267750366	17.13026144	5.15885391	8.607439666
5.348601393	3.633305664	1.472103337	0.344222055	7.9289449	4.290694304	4.921246836
6.505300213	0.933146132	6.971362782	0.825377817	20.11086471	4.583197884	10.46819232
9.14584937	4.573664969	1.999676284	0.882102977	13.1172707	6.646625202	8.03225642
12.42461329	10.4554084	1.188343182	0.325741049	2.79398636	11.08215672	11.73610022
9.429077563	3.722103524	2.533265801	1.181343512	20.39530989	5.587415307	7.473504956
5.31972157	3.562115339	1.493416429	0.328038974	7.300989485	4.38541311	4.780997063
9.173520788	6.822683415	1.34456199	0.5134905	6.195201253	8.58987292	9.779930848
6.197865213	4.752806943	1.304043124	0.30777008	5.878090184	5.512769688	6.332315754
7.397004927	5.20022533	1.422439309	0.496749473	7.874204228	6.907265586	7.969677392
6.442720481	4.502435693	1.430941144	0.418074629	7.757723328	5.695705039	6.142703743

7.482786444	4.648568237	1.609697021	0.533277508	8.657567058	5.942574103	7.661578009
9.378010635	5.113068458	1.834125772	0.85475103	12.23088711	6.921253711	7.946132952
9.172626065	5.310779712	1.727171256	0.923354242	13.27730139	5.278273787	6.668533783
7.274756998	4.539372963	1.602590723	0.537794291	9.711419184	4.457423808	5.178347228
9.210146759	6.204410261	1.484451603	0.564807738	7.66688061	7.037018254	8.73544367
10.61128856	8.51221814	1.246594999	0.422702951	4.507886317	9.282933091	10.04284813
6.942133323	3.690445623	1.881109772	0.457516067	8.728141821	5.148114954	5.586771264
9.205113509	3.095629085	2.973584127	0.842230122	18.81033896	4.4708685	6.655605723
8.956960141	5.277179908	1.697300508	0.593777702	9.461255077	6.483406782	7.233745143
7.277402126	5.01697338	1.450556257	0.510625703	8.524815452	4.900364073	6.028654993
6.479328756	4.686618137	1.382516895	0.452669937	8.013587558	6.910561744	8.176938247
7.543317072	2.583381492	2.919939271	0.683622288	15.95524227	4.095407453	4.329294566
6.323160785	3.096187237	2.042241085	0.631508216	13.89101696	4.532720492	6.620372267
8.329533318	6.284648433	1.325377769	0.413170871	5.700647902	7.235433166	7.672798005
7.58324145	2.365713304	3.205477789	0.758095217	16.12749121	4.958253727	7.205088716
9.867854523	6.142572961	1.606469241	0.767667131	9.254561932	9.302193399	10.42381681
8.234749226	4.836560991	1.702604235	0.759470808	11.03001111	6.066415963	7.217349201
9.239658671	1.089840144	8.477994434	1.475381972	35.42529528	4.481355714	5.749584945
8.00807503	0.341010559	23.48336381	1.37063553	34.77428751	4.002586062	5.427641057
9.277808693	6.053446754	1.53264893	0.580471527	7.302235307	7.921667853	9.433139155
5.536098097	2.366517573	2.339343751	0.536675658	13.65907462	3.955323108	4.597605263
8.28442659	5.070206658	1.633942588	0.662391525	9.413469562	7.151332431	9.906520849
11.30632583	4.990624482	2.265513238	1.234889045	13.54759916	7.794424569	10.19971905
8.045552295	3.486499055	2.307630712	0.729728649	13.66375978	5.973048893	7.362245499
8.632668651	2.707593541	3.188317788	1.499451649	24.67395152	3.673609901	6.805443467
9.139208164	7.228776098	1.264281538	0.462691048	5.758951821	7.91340691	10.091328
9.081296849	6.742250662	1.346923647	0.515342237	6.288387037	8.308737798	10.1485366
5.524372483	-0.653288668	-8.456250289	0.806283135	19.97906159	4.064839655	4.332635152
6.185817962	3.395877833	1.821566695	0.482830481	10.67940124	4.377213823	6.87083628
10.4213674	-0.960461086	-10.85037963	1.786960931	36.29735042	4.786326072	9.068271961
6.550614216	3.441284138	1.903537735	0.615747372	11.95977629	5.473699666	9.099690345
8.441865622	4.335735845	1.947043345	0.945264584	16.69072191	4.940156697	7.046193824
5.192848223	2.654483883	1.956255322	0.446508136	10.60142125	4.23237224	4.386714711
6.908983495	4.737870673	1.458246535	0.376686364	6.347260104	5.810424173	6.978008306
7.097394866	3.240076384	2.190502329	0.637128168	10.72887403	5.911662476	7.391266741
9.470313124	6.300714083	1.50305394	0.604718076	7.597805352	7.23079558	8.440673846
7.461238046	5.472504304	1.363404692	0.40722056	6.399050611	6.204332234	7.070515183
8.490561175	6.081724053	1.396078004	0.370750945	5.33178348	6.511158434	7.155630195
8.533356551	6.2642619	1.362228573	0.486642522	6.695079844	6.720004431	7.574223981
8.992909286	6.601601638	1.362231437	0.48888812	6.184303686	7.830952544	8.468545877
8.054051182	6.170424357	1.305266983	0.402369009	5.58234254	7.327923998	8.084011234
11.0520941	5.592779649	1.976136161	1.31161929	14.64780846	7.2994385	9.95007214
9.527678139	6.951650257	1.370563505	0.449829372	5.553888011	8.766494617	9.890317069
5.225711012	1.695309728	3.082452089	0.560883566	15.64958006	3.464678406	4.581909596
6.875072867	3.215773046	2.137922288	0.727012333	16.15836067	4.114812603	5.368605685
8.259318596	5.198986287	1.588640197	0.697976748	9.943430704	7.535831889	9.431043296
7.367700879	4.025174916	1.830405146	0.640300508	13.03482357	5.047688928	7.359386906

8.535113607	5.558080072	1.535622642	0.604980769	8.210964488	7.851526268	8.584955688
9.68815587	3.782249391	2.561479921	1.222589967	20.69936575	6.205572646	8.965671966
10.33331326	1.571600252	6.575026471	1.728073622	33.78304024	4.634682548	7.653352149
8.793811582	3.383943241	2.598687672	1.102276066	16.30590421	6.5360249	9.825351794
6.303983171	2.64101217	2.386957259	0.638742038	14.29965228	4.436167146	5.013420084
5.716019392	1.906756529	2.997770982	0.760612054	19.62525829	3.852817637	5.782019233
11.17196072	6.968772734	1.603146085	0.801951097	9.426554439	7.578998349	9.630536055
5.615026385	1.860578583	3.017892626	0.490724489	11.98305604	4.166527901	5.790161332
10.92432429	5.601208635	1.950351256	0.867101954	10.71247136	5.90915765	7.695293194
9.442737667	5.376253416	1.756378827	0.845464191	11.05117274	6.286768692	7.726410723
8.527424032	4.975013184	1.71405054	0.831870763	12.58863005	8.054288105	10.33106539
8.132963866	5.957784937	1.365098598	0.383289775	5.346397717	6.849031727	7.858776031
9.700154726	6.161375573	1.574348879	0.501866652	6.552670521	7.814325431	9.078503629
7.170286967	4.986526652	1.437932145	0.388177299	6.83047176	6.606708332	8.032328782
7.216648197	4.813372014	1.499291593	0.398529565	6.534809343	6.754292237	8.669549048
9.760267587	5.456256692	1.78882119	0.722211028	9.640630927	7.438197545	9.367117287
7.936438288	2.965632614	2.676136704	0.721523866	16.34037863	4.334192683	4.888356746
5.719859911	2.744979249	2.083753425	0.535470292	13.44822769	3.922407692	4.871236308
10.45452052	4.746912863	2.202383068	1.17851987	14.79553023	7.449906203	8.321282227
6.522185296	4.411754987	1.478365257	0.418224154	7.459276278	5.575144152	7.938141536
10.96459985	1.35964126	8.064332972	2.013970744	30.45309632	9.456517501	13.52733176
10.50178335	6.511274555	1.612861393	0.919753348	10.91802758	9.120681147	10.35320421
6.132941703	-0.225367432	-27.21307892	0.888243654	20.47929849	4.665103526	5.624850832
7.673174282	4.610057995	1.664442029	0.568597232	9.226624667	5.998643777	8.183450936
8.217175438	3.716919993	2.210748538	0.899302594	15.46049451	4.99948815	7.035036225
6.911021068	4.013546593	1.721923717	0.551084692	9.333060959	5.941377998	7.612515311
5.74493647	1.516315061	3.788748537	0.695701558	17.26314726	4.068229981	5.874450163
11.87736806	7.16825019	1.656941058	0.724957864	8.029679985	10.30280888	11.45174671
9.085198376	2.679178862	3.39103839	1.130477023	15.62346689	8.963876711	10.17886727
4.76975244	0.321269703	14.84656786	0.622874941	17.39057883	3.664249033	4.169610208
10.8705961	8.22172449	1.322179564	0.508892192	5.225609376	9.667776284	11.13293327
4.599891473	3.199494425	1.43769323	0.213189618	5.489454666	3.790042815	4.437382331
11.95264411	7.715662662	1.549140318	0.812235627	8.609289787	8.346806149	10.69663239
6.328824925	1.74642156	3.623881581	0.641451576	14.78562889	4.279673509	5.819215909
7.841692766	4.62121946	1.696888199	0.791787518	13.06694479	5.146951456	7.531797233
12.1501748	5.3617413	2.266087475	1.478525443	16.75310208	6.022683429	10.06015315
5.689964119	2.484501442	2.290183464	0.541830894	13.06083531	4.233567665	6.168716403
9.893007104	2.31084226	4.281126096	1.550966925	29.08961309	5.027559184	7.90746586
4.975377074	2.755529476	1.805597479	0.306681523	7.625004204	4.063095608	4.739109463
8.486647686	4.084176712	2.077933519	0.845306119	16.26300717	4.74410078	6.838957213
4.630814406	2.85964469	1.619367057	0.291280693	6.986685024	4.26757355	4.651197767
9.298085617	6.450109592	1.441539168	0.545971089	6.906286501	7.816632716	8.744007283
8.127592744	4.513134558	1.800875343	0.631115746	9.331465565	7.231067865	9.24118019
5.334164682	3.771078067	1.414493306	0.267108015	5.889942513	4.565381899	6.194976877
6.35118205	0.518176991	12.25678129	0.775854911	19.43539189	3.831718708	4.928515907
8.339403542	5.878989906	1.418509587	0.585881873	8.316078508	6.407024971	8.617288029
8.005852099	4.773425647	1.677171216	0.78706819	11.837404	5.942300652	7.851319868

9.152137418	3.657460637	2.502320142	1.240779238	24.37704703	4.29239167	5.611308021
8.532814165	6.040508245	1.412598712	0.495849711	7.164300979	6.828613694	8.078376727
8.199524067	4.610138803	1.778585075	0.647017323	10.58629735	6.3384697	8.772361683
9.420363653	3.542372658	2.659337276	1.066063716	17.07072394	6.559275434	8.233743903
5.584370685	2.536968708	2.201198094	0.46530508	10.24764256	4.471929965	5.039454647
6.844341613	2.616525354	2.61581322	0.737850886	15.81937628	5.047660982	7.878007626
9.163304337	3.581490859	2.558516746	1.055979802	18.3330875	6.898471438	8.945311818
7.077923818	4.693094978	1.508156952	0.409887954	6.763917473	6.801844618	7.854074963
11.50208972	8.18135632	1.405890328	0.569803414	5.585105207	9.310793494	11.10698829
11.42133872	8.937881936	1.277857416	0.463733933	4.519497761	10.10457431	11.28914378
11.83488656	6.475358782	1.827680436	1.05213482	12.35044328	8.519049808	10.44050459
9.428499339	6.743040438	1.398256384	0.609646394	7.333836436	8.163922051	9.355228359
10.91054959	7.544819194	1.446098217	0.502902238	5.049552585	9.449201245	10.2256735
9.282141537	5.706059905	1.626716454	0.510195828	7.302873647	6.779728643	8.041977528
10.59132945	7.468418584	1.41814888	0.588601973	6.66813318	9.226371699	10.04837156
9.145670485	5.5432262	1.649882245	0.573098727	7.558621389	7.576812704	8.592784843
5.937454943	2.198489706	2.700697176	0.604656988	14.7599457	4.016275908	4.72471092
9.331420307	4.208012699	2.217536157	0.920744713	14.81208679	5.000584349	6.628002962
6.453207972	3.353361866	1.924399522	0.456003904	10.64999356	4.257908919	5.088594898
8.78941451	2.057530535	4.271827007	1.439984293	24.38849239	5.191435871	7.114544315
6.352176007	3.833429706	1.657047734	0.511850988	10.6570313	4.972526653	7.240690102
8.690311282	3.157575334	2.752210276	0.957865267	18.10068732	5.462775532	6.896925037
6.314226487	3.237433851	1.950380078	0.543982256	10.4845168	5.435886663	6.044686413
7.295642842	5.336482871	1.367125693	0.337773012	5.177785467	6.566727185	7.647741326
6.193850067	4.524314407	1.369014067	0.313426335	5.681336739	5.53028917	5.858390775
5.022330588	3.018845624	1.663659297	0.361254433	8.811126075	4.124571991	5.043087242
6.056632786	4.209947123	1.438648184	0.348669139	7.15430527	4.686344593	5.129102117
10.50114553	7.069334111	1.48545045	0.580893282	6.040956626	9.599273615	10.59117229
11.19087402	8.029919955	1.39364702	0.547223265	6.018873184	8.551333342	9.231937033
10.09911335	3.416909214	2.955628235	1.30270975	20.16116705	4.809957662	6.868944951
8.458609622	4.771832308	1.772612505	0.559227663	8.630465321	6.764608407	7.293597391
9.612188308	2.820094598	3.408463076	1.270996838	24.93208582	5.055201206	9.600072723
10.74215641	7.608171081	1.411923614	0.623453438	6.826589477	9.728683921	11.10268745
5.046060454	2.20758809	2.285779886	0.531633738	11.76636244	5.284000735	10.61437139
5.60316357	3.204116903	1.748738807	0.400859399	10.14540471	3.797219837	4.342550083
10.54628853	6.266022498	1.683091392	1.091274114	13.21142166	7.220368646	9.532428171
12.59712503	3.543834283	3.554659735	2.116884923	30.94288639	6.276044099	9.86348115
11.43133122	6.16027651	1.855652291	1.195852342	14.03462272	8.084910827	10.32643253
5.261476628	1.115946798	4.714809555	0.75136608	21.30518449	3.546522672	4.266592249
9.916624139	8.102540343	1.223890745	0.455318774	5.055937317	9.250670182	10.08653334
9.259980412	5.520776368	1.677296778	0.593643276	7.567351174	7.735543463	9.066238148
9.695113184	5.406577112	1.793207233	0.743404385	10.94200113	6.254914937	9.252881694
8.343910144	3.685086777	2.264237086	1.270105392	22.13498513	5.825821593	7.705692813
10.4898099	4.119851178	2.546162335	1.408967743	19.08902887	8.09634811	10.82938993
6.497680245	3.227732256	2.013079069	0.513691591	10.63771007	4.647593054	5.322627415
9.567319671	2.438011725	3.924230377	0.924964719	16.61111371	4.672063869	6.301857475
6.792670108	1.701168521	3.992943688	1.057895226	28.17363586	5.260297658	7.169628345

8.481227955	3.591221428	2.361655533	0.749197438	15.78628116	5.251592353	13.00313079
6.246800454	2.485669926	2.513125491	0.593991219	13.08845014	4.649848356	6.516285961
10.40073668	2.184326548	4.761530134	1.805873234	29.00090411	4.092434917	6.84747074
6.898846649	2.939741965	2.346752447	0.859182623	18.19717906	5.825443408	8.488342592
7.212188129	5.422270062	1.330104928	0.409976694	6.426858093	6.272770614	7.32345501
9.70605788	7.564673266	1.283076947	0.407125934	4.616224435	8.42213519	9.16600893
6.707474182	4.221913058	1.588728638	0.443178191	8.128888871	5.959959819	6.791473443
7.025699633	1.38437254	5.075006497	1.10712713	27.77510791	2.997167177	4.320678989
9.831152736	6.550647711	1.50079094	0.566193657	7.069249563	8.133657865	8.986067849
10.98699784	7.581987057	1.449092139	0.549444917	5.442227836	9.39469029	10.57018118
6.902742296	3.803458268	1.81485948	0.739039271	13.43996342	6.370366574	7.255027233
9.373096073	7.469994568	1.254766116	0.434657314	5.273154678	8.145506125	9.001628268
4.927437877	2.241552945	2.198225069	0.436121891	11.86002062	3.677760001	5.010940298
8.983486634	3.954481915	2.271722776	0.804067087	12.00119583	8.092382767	11.44796292
9.87976781	7.938571294	1.244527188	0.373391569	4.190112261	8.475520302	9.4741454
7.15781033	4.360355042	1.641565942	0.441230536	7.581175164	5.825914425	6.922043291
8.890889015	6.426340689	1.383507263	0.501893258	6.519619634	7.183435705	7.927981601
11.34134693	5.429758559	2.088738718	1.119169697	12.90258863	5.744901768	8.083581631
9.657406855	6.788518723	1.422608856	0.502104488	6.083956123	7.01766884	8.239794945
8.24787204	6.223251864	1.32533155	0.365746493	5.22590709	6.879223916	7.63490873
7.990641978	5.205673748	1.534987086	0.604228741	9.589110871	6.839798928	7.55586741
6.860753808	1.507952283	4.549715454	0.935604626	18.20606286	6.503828903	7.599500864
8.311582087	6.26077347	1.327564737	0.445923504	6.211057956	6.585246372	7.51079532
10.12397388	6.924138302	1.462127623	0.526776793	5.987997013	8.410813492	9.512949722
7.719762078	3.24526328	2.378778365	0.884153418	16.29079606	4.455696209	6.035930858
8.765818259	6.486733239	1.351345575	0.470259498	5.838094849	8.570682415	9.539442802
6.73033795	5.401911049	1.245917952	0.302336352	5.016706811	6.24942856	6.886240617
8.396593398	4.699630627	1.786649647	0.78188853	12.00597373	6.760895228	9.491043757
6.259825249	3.219359987	1.944431587	0.506377442	10.11635074	4.94192084	5.593938767
7.499321744	3.829653009	1.958224864	0.617286375	10.85432666	5.670250076	6.848442808
6.195642031	1.760938396	3.518375228	0.725219806	14.8091252	4.777489034	5.42877269
7.004712686	3.366994166	2.080405353	0.532172594	9.960607372	5.571846943	6.221974173
7.54313256	3.951169959	1.909088356	0.843145775	14.26874536	7.219479247	8.107235912
6.732381648	2.557362956	2.632548357	0.843961217	18.45612492	4.05279202	5.696769311
6.307470928	2.569167854	2.455063774	0.648685838	14.77932271	4.547037087	7.324927038
6.451923592	1.036159945	6.22676414	0.92119234	24.54561267	3.519805383	4.108286843
5.658103121	1.196072839	4.730567351	0.865579675	22.92112682	4.275101059	5.35525752
9.644613531	6.924137311	1.392897497	0.649062945	7.938216731	8.838424404	10.02892551
5.992028417	1.912562337	3.132984636	0.718830974	15.3439629	5.405559932	9.342076641
7.479910742	4.401230526	1.699504422	0.54458588	10.6630247	4.684954025	5.467863616
6.25186881	2.76385184	2.262013006	0.550546325	12.66306725	4.520380693	8.701246914
8.688811838	5.351354728	1.623665834	0.627211988	9.268490491	6.863927393	8.081374521
8.632939835	4.847810614	1.780791479	0.579949597	7.846347693	7.17935723	8.587335629
7.03510844	4.61545992	1.524248626	0.642304039	11.11528518	5.779192269	7.09222333
5.865978202	2.714007506	2.161371399	0.535625871	12.80410276	4.353657698	6.081178669
8.611341122	4.505720128	1.911201956	0.718458779	10.83567232	6.137303052	7.534160331
12.59545018	3.817834253	3.299108694	1.787159588	24.06670815	9.205271499	10.91646603

8.492319741	0.73516149	11.55163846	0.886651144	24.05646001	3.752523658	4.760332749
5.70880371	2.54360753	2.244372861	0.482290326	12.14596788	3.884937968	4.217877797
8.210248214	5.103005134	1.608904557	0.505376319	8.309477313	6.778274007	7.974939716
8.269258412	5.389856644	1.534226039	0.451482923	6.491296007	7.141780267	8.130134558
8.553958104	4.040775782	2.116909862	0.913366676	15.96827856	6.225648747	10.65525337
11.6831471	8.922374163	1.309421337	0.465069785	4.734120704	9.595686324	11.48823566
6.656515092	4.898273583	1.358951267	0.334846778	5.877035236	5.921596052	6.392247073
10.52238177	6.627591351	1.587663031	0.550885233	6.144740982	8.753121428	9.749492854
8.411962861	5.885540969	1.429259078	0.510184425	6.88503827	7.917272445	8.446589038
7.797306353	1.718574151	4.537078805	1.080254095	25.6540692	4.447210232	5.703047778
6.192802951	2.231009439	2.775785186	0.740968164	16.5784143	4.490522531	5.247025889
12.02856974	5.661417519	2.12465689	1.518947631	16.40950418	11.19819851	12.86790098
6.42002813	3.857366347	1.664355302	0.676345661	13.94796059	6.129528428	9.253919005
8.224064154	6.6253929	1.241294558	0.394346897	5.450136032	6.519868566	7.496009948
6.637771202	3.793512911	1.749768976	0.566092152	11.32394737	4.882881371	6.002774729
5.210768796	2.128740119	2.447818195	0.434712271	10.92863281	4.042620065	6.073099409
7.997301683	5.632223212	1.419919165	0.53829737	7.805723905	6.790007407	8.047678203
7.680966764	5.80824594	1.322424505	0.382531665	5.521058905	7.31752661	8.294418677
11.61498274	8.553647378	1.357898242	0.410525927	4.146636354	9.920214752	11.55256517
10.31408249	8.241043367	1.251550566	0.422222598	4.613621726	9.243202357	9.905356291
10.42718776	6.716724253	1.552421592	0.552390212	7.07104638	8.120886106	8.90032502
8.684417096	6.316354776	1.374909644	0.455047654	5.895479633	8.061809797	9.114039766
10.53313163	7.298863778	1.44311936	0.520560958	6.06937553	8.911400188	10.12233325
8.514538072	6.512721874	1.307370134	0.427792664	5.802457302	7.469584517	8.422223056
10.83070174	6.917813377	1.565625025	0.587043809	6.952106896	8.596436326	10.12404577
11.2249362	8.893011475	1.262219916	0.445866871	4.549307208	9.810475968	10.63043067
10.69338844	8.487684893	1.259871046	0.407291434	4.177881367	9.882159539	10.96943411
9.70763715	6.251857025	1.552760582	0.575883412	7.018066918	8.522965084	10.22875441
5.542203102	3.393658837	1.633105556	0.425149234	9.460998565	4.583096168	7.524474784
10.55680783	7.553992325	1.397513709	0.598517916	6.778953891	8.409511465	9.897100868
10.27887772	7.602956368	1.351958005	0.457769173	5.183297163	8.899670992	11.71236378
8.291912482	5.848114323	1.417877973	0.441534024	6.29170518	7.096021379	8.182450582
10.51912352	8.438992134	1.246490499	0.417132924	4.481922905	8.978295246	11.16495384
8.006076425	5.861714396	1.365825062	0.446305994	6.576576032	7.281573861	8.134284377
10.37115417	7.830877843	1.324392281	0.538879102	5.946947501	9.328352322	10.67741418
9.090458052	7.452667553	1.219758964	0.353776231	4.330590424	8.109606475	9.94754954
6.451886067	2.991710282	2.156587857	0.682409302	14.58793233	4.766998795	5.80355801
8.26990513	5.226267086	1.58237323	0.518218724	7.951056353	6.76316092	7.50224342
7.655682342	3.428972863	2.232645941	0.56123924	12.68639344	4.836191039	9.134479459
9.026159049	5.728165413	1.575750419	0.647137728	8.697523642	8.650255303	10.05871048
7.976209553	2.812124836	2.836363966	0.958648193	20.80863046	5.087549518	8.209746945
9.522188347	4.862182352	1.958418598	0.882732747	12.08409888	6.037398911	7.01619118
7.349030002	1.721793741	4.268240631	1.017460916	23.12670658	4.346363196	5.759225423
11.9237979	9.620166835	1.239458536	0.468997777	4.377930736	9.82893128	10.6469094
7.021171799	5.273665169	1.331364729	0.356908576	5.717855198	6.403906606	7.159332777
8.251015368	5.698529023	1.447920215	0.721205416	10.28788607	7.786885016	10.16658587
7.036651865	2.057188317	3.420519068	0.64690952	12.86858126	4.978919217	5.461158672

6.478206405	2.984459169	2.170646686	0.722360375	14.65755511	5.65344688	9.077012563
5.883886688	1.735077981	3.391136741	0.656674145	17.32116946	3.95865362	5.624392423
7.61100501	5.117200351	1.487337702	0.502094241	7.911397847	5.591270991	6.773620136
7.435501101	4.257959961	1.746259046	0.56824933	9.318559193	6.199131189	7.690709038
7.953855532	4.64098785	1.713828131	0.623134531	9.252844033	6.467288342	7.39714238
9.432154997	4.500481385	2.095810245	1.204735717	17.01756954	4.968055048	7.429459815
7.557132471	5.202762981	1.452522919	0.436643151	7.052778909	6.360783724	7.586551355
10.16850974	0.730389409	13.92203886	2.021177983	43.82297952	4.669451464	10.55807491
7.640419897	4.52254681	1.689406482	0.653215293	11.72357233	6.131693834	7.500894488
10.93981249	5.172834645	2.11485834	1.230895697	14.64401459	8.535047515	10.4814847
6.774086337	3.803502568	1.781012689	0.589246053	10.39691369	6.807002634	7.966130381
10.78152257	4.468333337	2.412873381	1.53924967	21.25704718	3.394577473	5.38600733
7.493433745	5.035486836	1.488124979	0.571536152	9.147388879	5.860432118	7.50758849
8.792606079	5.621371533	1.564138934	0.657302196	9.318151966	6.282638128	7.424270278
6.776156111	3.711733558	1.825604129	0.712189996	13.00435231	6.507413866	8.733559162
7.283139062	3.948409964	1.84457519	0.533813464	8.920567707	6.946333289	7.921039044
10.2932303	0.536943701	19.17003642	1.884497625	42.0306817	3.852265369	7.019577366
6.678634535	2.814581146	2.372869776	0.592127695	13.21484692	4.666137113	7.258959237
7.236700235	1.511510711	4.78772673	0.858177914	20.7622015	4.119107903	6.035528458
8.59762864	5.79895583	1.48261668	0.535722514	7.564574754	7.044932869	7.771445967
6.508313731	2.051416904	3.172594375	0.712900547	14.44596455	5.912274049	7.152377145
10.1886665	1.755430474	5.804084326	1.343884258	27.55445751	4.095745366	7.208093951
8.127138393	1.686630334	4.818565295	1.224343204	21.20742055	5.723597075	9.733290037
7.375491793	2.986303424	2.469773076	1.010565002	20.99046355	4.368713599	7.281886439
8.840167581	3.95194229	2.236917174	0.991740256	15.72189353	5.377107986	7.492679073
5.704590191	2.084082876	2.737218494	0.6431079	14.61141687	5.413805323	8.296132892
10.78139658	5.328703364	2.023268297	1.178500539	13.62819437	7.05362777	9.433689872
7.246166552	3.004916453	2.411436945	0.650371851	13.32519044	4.632774257	6.233930089
6.5988869	2.617427154	2.521134882	0.69647709	15.63889804	4.420016123	5.7409781
7.449224021	4.371993688	1.703850589	0.563252705	9.638002987	6.186858666	7.328143167
8.05666798	5.900794864	1.365353002	0.523261333	7.459142177	5.497509791	8.142399806
9.366837311	2.638468803	3.550103492	1.395285508	26.06515211	5.384206407	7.226133623
6.656758546	1.411785507	4.715134496	0.808908118	18.63758358	4.227251052	4.708746474
7.697030758	4.026083153	1.911791303	0.791924514	13.41250573	4.439469258	6.081399485
8.108263267	5.424975439	1.494617507	0.513094429	7.60418985	6.66973032	8.57329655
6.457475826	1.308234923	4.936021593	0.747096794	16.87273683	4.363994569	5.317674513
8.457130291	6.116650186	1.38264083	0.444723818	6.250605456	6.819748197	7.523540239
9.489815322	6.1884778	1.533465196	0.660273195	8.35729199	8.254093196	10.07100808
10.27586943	0.593637768	17.30999943	2.257468716	42.69926246	2.813275932	4.382357849
6.778852838	4.478067147	1.513789904	0.48077514	8.534365593	5.404971583	6.75844895
11.57483212	2.516872767	4.598894419	1.656595832	25.2019898	6.626940192	9.115189226
9.502590822	2.401062049	3.957661496	1.117584584	23.03472831	4.919940003	7.212472578
7.174911086	1.263336119	5.679336622	1.013105363	25.13186154	4.002029011	6.627596064
6.246590011	2.204098136	2.834079802	0.752907253	16.80518722	4.315558175	4.798519421
8.95156684	3.636564182	2.461545126	0.897574798	16.98216523	7.83206189	9.633639327
8.118821831	5.060177471	1.60445397	0.518065358	8.311548037	7.02311744	8.030279428
7.373367666	5.088853332	1.448925168	0.49690019	7.702557931	6.437777919	7.469445373

8.235018588	5.732055029	1.436660769	0.4678682	7.23856657	6.022430432	6.943381609
7.461122144	4.91599677	1.517723158	0.519148261	8.470312809	6.132319972	8.414123018
9.189605186	5.77843759	1.590326977	0.566378936	7.360671916	6.675994635	7.941374321
7.134635455	4.481905936	1.591875322	0.602268366	10.51664245	4.847012897	6.899577161
9.739003626	4.815810504	2.022297933	0.973548546	13.7657145	6.231261026	7.738445751
7.722924484	4.924337626	1.568317421	0.552642838	8.70829153	6.053452072	7.394413805
7.818175139	4.263176147	1.833885082	0.629917281	11.19583085	5.218019585	6.426872751
6.852356651	3.60762316	1.899410317	0.732594868	16.01567378	3.875771737	4.976307558
4.743861098	0.671495825	7.064617413	0.729835679	22.62339707	3.328787393	4.10501453
9.162794646	6.035955307	1.518035535	0.667317237	9.003774946	7.950971719	9.246396548
9.527799372	6.336873893	1.503548837	0.572485834	7.04338648	8.407012741	10.20659998
7.832380833	3.332014408	2.350644347	0.980582267	18.44552478	4.536557732	5.856127839
10.1973623	5.822935332	1.751240863	1.110718754	13.73720384	5.753213926	8.176245811
6.90405716	0.368708376	18.72498053	1.063962433	24.39056416	5.675591728	7.006503959
6.599078876	5.002061391	1.319271868	0.322831331	5.624247964	6.272395895	8.474485641
7.884965611	4.667214275	1.689437242	0.544704538	8.55826228	6.475309326	8.044519686
10.19653014	2.0196347	5.048700214	1.591969311	24.67818533	6.948694007	9.542576824
9.858812052	8.020734711	1.229165707	0.33858689	3.789260416	8.91369696	9.679407504
9.214650622	6.773749059	1.360347208	0.512502494	6.406007457	7.426207638	8.849090452
7.874971979	4.384384102	1.796140985	0.783923346	12.78265232	4.627581008	6.613235725
5.114643703	1.705157023	2.999514786	0.632621364	16.21897266	3.94782799	4.367443741
7.622526977	3.269767503	2.331213755	0.901317671	18.69520052	3.959328055	6.076696194
8.803247686	2.785056349	3.160886741	1.28180115	19.97802841	4.760703924	8.328628072
9.262429255	4.942628096	1.873988711	0.727096133	10.97088674	5.680485803	7.104911447
10.84258909	5.872738401	1.846257802	0.99746637	11.25353927	7.685529804	9.632413171
12.20739036	7.179594759	1.700289608	1.274330112	13.07022517	6.488493796	9.236837161
11.03207943	5.691192866	1.938447649	1.188943648	13.57172353	6.406117129	10.07301476
9.849621878	3.140574176	3.136248764	1.227791207	20.15282255	4.595607105	6.932079067
9.908079465	5.331122359	1.85853537	0.998909817	12.45308855	5.529465724	7.962285832
6.973025805	1.891752844	3.686013122	0.742356181	16.30037717	4.539300465	5.070692549
7.215463843	2.082717062	3.464447465	0.759865638	17.83069771	3.98482557	4.313340564
7.601631897	4.194645539	1.812222708	0.563582801	10.40617615	5.191338793	7.519997007
8.338072887	3.665381108	2.274817445	1.001629364	19.04138211	5.705799097	7.336892549
8.449196711	1.516629093	5.571036947	0.923826319	20.94018728	4.32016546	5.303838629
9.579993485	1.675125789	5.718969613	1.660790381	30.01505449	6.096970142	10.29752088
6.594016688	2.705803491	2.436990236	0.596318169	14.52742424	4.165328347	7.571036611
5.935414489	1.680910778	3.531070516	0.717777151	16.74715502	4.285208281	5.628179784
6.626833651	2.455114268	2.699195609	0.586305152	13.93057777	4.360815067	5.546012611
6.120019294	4.502678787	1.359195178	0.355745098	6.739059355	5.25145206	6.199705237
8.913152585	1.747257267	5.101225077	1.471812688	32.30810892	6.795209974	9.816049089
6.677685663	2.644327655	2.525286778	0.666889443	15.16927627	4.250310757	4.88666358
6.481507897	4.020182236	1.612242311	0.527273427	10.46190144	5.054473126	6.847283918
5.879641323	1.659907345	3.542150315	0.663358589	15.77098593	4.103265301	5.087415259
7.13915828	3.106258683	2.298314148	0.731077984	13.77600078	4.700727708	5.854062274
7.346814889	2.56183229	2.867796974	0.821207003	15.5179416	6.071584448	8.764390007
10.77430983	9.37253414	1.149562078	0.334276288	3.329600667	9.90665527	10.53608116
8.332569251	3.020938713	2.758271532	0.750093363	17.11563906	4.375673338	5.526746946

11.17689311	3.547407369	3.150721624	1.313665373	20.0497295	6.450040604	9.401818347
7.680213464	1.288649231	5.959894498	0.824762333	19.84938277	4.452048243	7.538049782
8.180424687	1.486144155	5.504462442	1.125501895	21.63066367	5.329801423	8.324569665
4.814686572	2.442654205	1.971088073	0.431075928	11.52954608	3.84586048	4.509988113
11.30782268	2.891819952	3.91027895	1.754168553	31.39719665	4.432937308	7.388558048
9.119919415	2.626549753	3.472205087	1.213778603	21.55730022	7.571508602	10.22483815
9.306996549	3.339601145	2.786858713	1.314234486	20.731246	6.112260561	9.463896504
6.903198103	2.741612375	2.517933668	0.600460134	12.84541906	4.568424252	5.784854107
5.894767564	3.381392512	1.743295859	0.425853317	9.596543664	4.482243528	5.544824532
5.699043908	1.980497067	2.877582605	0.559707153	12.5817579	4.465356456	5.504172958
8.585612322	3.32884607	2.579155702	0.846510817	14.1475371	6.459470585	7.584243133
5.979149478	3.549578377	1.684467518	0.440359311	9.06667095	4.849682462	6.261633909
8.857113897	4.663595336	1.899202924	0.769168726	12.23409344	6.243866641	8.818318878
5.943168265	2.238848489	2.654564744	0.81761626	19.07221022	5.101737213	7.24525815
6.842482298	2.216466815	3.087112449	0.655941341	13.22016899	4.892012755	5.136581812
8.50302768	5.460824014	1.557096083	0.546737792	8.242791029	6.530923939	7.869163464
7.007893563	4.206829953	1.665837136	0.494273491	8.334147783	5.643318832	6.758546322
8.998450878	0.213999296	42.04897414	1.457531027	38.7880637	3.273042842	4.165105697
10.27765098	2.600879787	3.951605543	1.403235224	28.25053614	4.167547152	7.277356366
9.201098616	3.620790472	2.54118505	0.864169079	11.56878554	6.819582159	8.004277326
8.604308637	4.672946063	1.841302793	0.657462159	9.504670553	6.977841185	8.554343847
9.454738604	7.851151356	1.204248673	0.317028018	3.675716304	8.425162067	8.975750011
8.253921389	2.655210897	3.108574689	1.18132132	24.91554236	3.811270896	5.113334968
9.344113606	6.736141142	1.387161197	0.526840442	6.215032351	8.626194812	9.561853129
9.925179619	6.052651622	1.639806855	0.678781903	8.025613889	7.180906493	8.730879339
7.253683765	2.679014418	2.70759415	0.826428753	17.40236818	4.01842914	4.613205454
6.448774886	3.029729985	2.128498222	0.527420561	11.80340922	4.41011782	7.161274817
6.728266709	4.7934221	1.403645781	0.364098712	6.259992535	5.756023017	6.249134467
10.01413833	7.191404495	1.392514958	0.495451739	5.90189366	8.645496784	9.83422126
7.987558209	2.036493018	3.92221242	1.097171351	21.58484276	5.401925643	9.183199817
9.206685296	7.653522244	1.202934414	0.343450412	4.108474492	8.587233825	9.200708801
10.45680641	6.360892353	1.643921298	0.833617291	9.761035599	7.449686701	9.67495596
8.148662728	5.602114548	1.454569102	0.474436681	6.991200834	6.515983056	7.197667541
9.76518322	6.424185886	1.520065483	0.543440025	6.612982048	7.749941207	8.959110147
10.97379507	8.276805384	1.325849112	0.474740627	4.962663358	9.480994906	10.26240676
7.485937275	0.943917256	7.930713447	1.057271273	27.13013171	3.88958785	5.147561926
8.475292952	5.698560112	1.487269202	0.460490003	6.322285549	6.860240557	7.575120126
8.643628477	6.917118415	1.249599611	0.362837615	4.550157233	7.752737794	8.692739639
8.579057645	6.528769966	1.314038891	0.424070375	5.655177662	7.158889595	7.878818759
8.929534484	7.674538264	1.163527261	0.301248209	3.678046095	7.706649866	8.535702441
8.640488509	6.09064805	1.418648465	0.52927343	7.313502361	6.975505556	7.849111167
9.465631199	4.640975757	2.039577816	1.156676233	16.42683819	4.368569363	7.627152969
8.13998803	5.363437982	1.51768102	0.587528978	8.293581639	6.291461182	7.456615021
8.995158656	5.30357454	1.696055856	0.904804374	13.62636881	4.874404669	6.786829072
8.599549206	5.13556959	1.674507385	0.512757992	7.561586473	6.90870849	8.033975921
7.985468193	4.872735126	1.63880613	0.56538762	8.14643748	5.977294915	7.179595589
7.031168996	5.270961678	1.333944245	0.327808408	5.278977179	6.314198194	7.309355115

6.048782356	4.30318262	1.405653185	0.366617144	7.324272832	5.181713111	6.004716406
8.937905326	-0.712321082	-12.54757939	1.511926293	32.60223729	4.96758487	6.803303358
6.150569464	2.801634787	2.195350191	0.473727505	11.03611596	4.224539159	5.085840482
8.810501795	6.134605278	1.436197016	0.576338494	7.683726993	8.21560966	9.434919668
12.59048199	6.264539882	2.009801554	1.073695764	10.69299042	8.607495436	10.71007682
9.789335555	6.520132739	1.501401267	0.889448319	11.21502385	7.716700825	9.295693886
6.556897191	2.402376313	2.729338096	0.628350493	13.77567212	4.625579078	4.985454355
7.543556997	4.240020923	1.779132022	0.769044296	13.30482611	4.781331019	6.876466182
6.274111959	1.781677914	3.521462499	0.831760639	17.12746912	4.895445345	5.577049775
8.083900577	3.766171469	2.146450485	0.840135101	13.80599372	4.683957953	6.689583061
9.041110296	6.661468223	1.357224863	0.446621762	5.795035024	7.28220328	8.196052776
5.169861039	2.252292295	2.295377492	0.415040496	10.19033055	3.96319391	4.980062503
6.664545768	4.972351379	1.340320758	0.365931371	6.205536835	5.483679815	6.21828029
7.230608489	4.906917086	1.473554242	0.603571504	9.711662538	6.2271263	7.646632096
7.076880757	1.927611974	3.67132019	0.893760247	20.49090168	5.079778852	10.90423068
10.60663953	7.548602974	1.405112916	0.731467275	8.163357995	7.334890855	8.973677284
9.34866673	5.150639685	1.815049645	0.815553074	10.72806271	7.027288549	11.724481
8.243218752	4.718660264	1.746940507	0.775575552	11.76138921	5.739650128	8.868751271
6.986050687	0.059873166	116.6808301	0.979925623	22.86945463	4.238267829	4.809618477
6.307599325	4.478695315	1.408356425	0.395171055	7.45114697	5.193755215	5.701507323
6.09048406	2.083243156	2.923558895	0.725864667	17.71549105	4.099248766	4.741758221
6.389767689	3.592572546	1.778605054	0.52854189	11.391845	4.62871539	5.80786473
7.070715735	4.722799795	1.497144923	0.454071561	7.342770648	6.902142007	8.03886009
8.416130182	3.43431766	2.450597474	1.092142783	16.63476266	4.594567688	7.706643573
7.560197838	5.834368201	1.295804032	0.3538433	5.137423461	7.081448818	7.70481674
8.467048001	4.808520879	1.760842515	0.852145384	12.74427899	8.023731074	10.2746621
10.47995026	5.67664189	1.846153141	0.706549617	9.880094942	7.165246481	7.894257132
7.589627602	4.376432673	1.734204127	0.611677151	10.91015824	4.850565745	6.508915402
9.853942133	6.622970114	1.487843364	0.658055046	7.67285478	9.364671656	11.10977634
7.573649015	5.46305049	1.386340659	0.512624859	7.934377376	7.070925587	9.045003149
8.840506466	6.504662054	1.359103116	0.517017059	6.445765148	8.11010815	9.370380145
7.584246853	5.814332112	1.304405512	0.434329171	6.415345347	7.233648672	8.175596801
6.850280799	4.598539196	1.489664545	0.411113473	7.088231643	6.207819064	6.791966684
9.614633702	6.841826478	1.405272954	0.471395098	5.430238744	8.2103291	9.430947265
11.69628428	-2.111689288	-5.538828249	2.329968873	42.0726301	4.631519078	10.38061944
10.24363923	2.076175251	4.933899113	1.117870168	24.85358818	4.216226197	7.243567499
10.08858424	0.884773299	11.40245105	1.64098988	29.1929078	4.889217937	9.949483723
7.382847492	3.163053242	2.33408891	0.843025731	15.97980082	4.775818039	6.417955092
9.652510679	2.58924089	3.727930729	1.535252522	21.96634675	4.948925529	8.435000338
9.843930964	2.729738991	3.606180296	1.281638903	18.34359675	5.035055784	7.662545583
9.30822485	-0.219791126	-42.35032145	1.240134519	22.53392397	4.944137959	5.968514857
8.69922667	1.705911017	5.099460981	1.357626642	24.08660755	4.030690029	6.094407759
6.715180066	2.595337352	2.587401619	0.666853265	12.92709606	4.727648145	5.728673064
8.834277118	3.397434152	2.600279129	0.745610098	13.25644351	4.819861687	5.957002634
5.8460648	2.880849562	2.029284999	0.509784695	10.34076574	4.927274687	5.840968425
8.69232165	2.009575567	4.325451501	0.983306936	22.49546263	4.057998025	4.532922749
6.34760123	4.150518978	1.529351212	0.339800623	6.755949276	4.741011494	5.714216542

10.86235161	3.408653819	3.186698381	1.504693589	22.02433869	5.26284503	7.492972554
8.220324674	5.22529733	1.573178358	0.677646773	9.776041705	7.520329339	8.005234694
11.34774559	6.968323886	1.628475624	1.015318268	10.86462878	6.824827613	9.035078034
8.326617417	0.020482522	406.5230493	1.229591282	25.33656757	4.47313453	5.426804112
9.084264465	0.822733277	11.04156683	1.606235019	35.42607519	4.453038038	5.916266759
7.655115027	1.725545816	4.436344116	0.867388494	18.89341572	5.049925804	8.682190511
9.031925462	3.411376275	2.647589927	1.061890845	16.6881397	6.968616827	12.93082773
5.760871632	1.602852216	3.594137734	0.641754069	15.71047749	3.820670542	4.219963628
6.011047422	3.80657426	1.579122595	0.530472076	11.19767616	4.101067687	5.113312506
8.197518497	3.841449081	2.133965158	0.984819173	14.92879664	4.312584237	6.332320056
6.303587482	3.777097171	1.668897356	0.385687875	8.008154656	4.746400769	5.149356326
7.892191235	3.258129462	2.42230744	0.725351767	14.39132931	4.465064111	5.161680341
10.31596478	2.091283594	4.932838761	1.443938796	24.6096852	4.689424131	6.264229605
10.22872995	2.823506735	3.622704286	0.95224057	20.96617598	4.268934836	8.89275628
8.646356742	4.584536391	1.885982792	0.687982734	10.43934125	7.110705313	8.650909228
8.598124368	1.628799135	5.278811967	1.302697942	22.80274768	6.071524249	8.637261547
8.634871098	6.703487301	1.288116276	0.423634737	5.468696476	7.788622715	8.444658966
7.388854911	3.521056794	2.098476492	0.733594035	13.73674086	4.644790176	5.866455469
10.34420925	3.924642427	2.635707443	1.592746228	25.70144984	4.48545767	8.977019876
9.431909005	4.796633486	1.966360163	0.928057246	12.94927159	7.768411582	11.40099601
6.953049291	4.875554351	1.426104355	0.489652077	8.318829948	5.880328998	7.010127688
8.944427198	3.361857398	2.660561153	1.137696813	22.2253713	5.280837842	8.127362151
6.334175276	3.25021625	1.948847335	0.525761308	10.08919691	5.365598811	6.510735092
8.99671267	4.972748328	1.809203297	0.690264954	9.954614889	5.880584315	8.340832653
8.734235793	5.558083985	1.57144725	0.597391212	7.962608614	6.729802726	8.19091265
8.534369007	6.579686742	1.297078317	0.409018643	5.332295025	7.423618607	8.19112184
8.59170227	3.080501486	2.789059609	1.003851597	16.12882918	4.845981566	6.35767345
7.844547036	5.258510433	1.491781206	0.618015315	9.241797431	5.1384378	6.466115338
9.270599534	4.633375931	2.000830425	0.748370078	10.89165653	5.661989106	6.923604623
10.16714521	7.474169512	1.360304337	0.643945991	7.14740766	8.45117351	9.910391514
9.24210422	3.491549691	2.646992035	1.56231559	24.08771901	4.368891532	6.362491213
10.45842531	4.509294504	2.319304117	1.303401318	20.86077565	4.593920775	6.833195795
10.16062998	6.199966502	1.638820141	0.80508936	9.57389826	7.750320055	9.782431031
10.72744505	3.342179721	3.209715201	1.292176038	23.18405183	5.064962662	6.183205109
8.001624835	2.97207598	2.692267926	0.705141604	14.24622174	4.744873672	5.438589583
11.72902762	9.545107961	1.22879989	0.480127378	4.594770156	10.44015555	11.51032388
9.710695264	5.172937469	1.877211028	0.893545331	11.72922679	6.661743139	9.369212744
9.572831235	7.347972152	1.302785454	0.611125749	7.196516223	7.87510417	9.048027637
9.571344182	3.570498457	2.680674504	1.612963266	29.67879435	4.113720419	5.934326715
8.049086454	2.845306365	2.828899746	1.120269907	17.50669076	4.689422499	6.826444045
8.226428029	5.427762893	1.515620374	0.720272748	10.06990139	8.388433541	9.660344479
7.306301957	5.839359492	1.251216331	0.322549611	4.890074658	6.42399148	7.018608188
7.676961291	2.508050666	3.060927515	1.183627844	21.25603458	3.783958579	5.546729485
10.6443951	6.841175484	1.555930721	0.646604521	7.867783811	6.926108661	9.771813221
6.323893285	1.064044012	5.943262886	0.840785276	19.33973938	3.823200358	4.841391151
8.295861269	5.827306754	1.423618426	0.455704088	6.376986781	7.103097202	8.06736259
10.38990103	5.109774511	2.033338459	0.824062733	12.05563585	6.552859636	7.183444302

7.679876004	5.752307998	1.335094714	0.384208705	5.440105776	6.66138036	7.558302606
10.17891654	2.10430585	4.837184927	2.271693395	37.35529788	8.940144983	10.70849053
9.784594654	3.64715682	2.682800641	1.527557284	21.77096968	7.165050759	10.87496561
6.713305047	4.11662235	1.630779915	0.724895186	14.56370047	4.764290887	9.023961707
9.687275361	-1.079511414	-8.973759087	1.472023433	21.52416263	7.717285921	9.138487595
9.570882916	1.873001904	5.109916277	1.679284396	30.48880837	5.24760464	9.158071384
5.164477739	2.639058097	1.956939768	0.436844371	11.41173993	3.663250494	4.347615152
10.75820689	4.316746225	2.492202767	1.20719967	16.45879778	4.982606798	8.744714452
10.21475229	0.448405807	22.78015168	1.660993948	39.97443423	3.439262077	4.139871408
9.436187888	2.998448929	3.147023048	1.554035276	22.25576144	5.465453911	7.854265705
6.647294891	2.725456596	2.438965604	0.683611199	14.18550336	4.838843573	6.516436638
10.01006553	1.449829651	6.904304601	1.537006481	32.04774767	5.753948201	9.632963027
5.596559758	0.986563865	5.672779997	0.629754978	14.96151901	4.039106583	5.759691644
7.173761644	4.775516854	1.502195859	0.517116937	8.781094555	5.336048941	5.810498619
10.13256616	7.428645967	1.363985605	0.555083202	6.280945642	8.670506355	9.652385401
8.392659271	4.438954498	1.89068378	0.704845847	10.67966597	6.320737806	7.741576345
7.539309507	3.770669798	1.99946161	0.661503667	10.88734905	4.755079851	7.808792135
9.371884203	6.057238232	1.547220671	0.605780475	7.794612432	7.589089485	8.652942013
7.571542368	4.331405957	1.748056507	0.547782111	8.888665496	5.841251187	7.009687638
6.76216687	4.932375225	1.370975759	0.331040326	5.782973407	5.979630757	6.463126992
11.18869694	6.894524947	1.62283798	0.81330775	9.354967084	8.595976063	10.88331395
9.675048798	6.008515441	1.61022284	0.708920741	8.626023387	8.980774442	10.53508306
6.768925619	4.084708377	1.657138036	0.684162892	12.60735613	5.354356176	6.568302998
8.652121438	2.932770379	2.950153037	1.536430719	26.7596003	4.573897341	7.340452061
7.905669462	4.413798845	1.791125907	0.791816907	11.82766822	6.317643751	7.428981677
6.566118244	4.043752157	1.623768715	0.49024156	9.48061996	4.690711959	5.300026658
9.886496057	1.409440983	7.014480334	1.455176139	21.33180327	3.971687554	7.322985855
7.839240024	2.780096514	2.819772618	1.106572924	21.01569776	5.922473983	8.462630559
7.786435909	3.929852638	1.981355696	1.261400946	21.7012056	7.708580537	8.63904576
13.9464227	3.542513252	3.936872415	1.340388244	28.53609365	4.60198331	7.903563868
10.12241622	4.633385842	2.18466939	1.231181008	16.08321628	5.795657244	9.454475412
7.497110833	2.721247803	2.755026876	0.781997589	15.53212536	4.829501	6.319671083
8.750390017	2.450635569	3.570661476	0.748024104	17.93240023	4.124043242	4.796189543
11.79349555	9.165434358	1.286736131	0.607875518	5.900710864	9.285029279	10.17355989
9.861510193	5.891539945	1.673842541	0.939498265	12.34645065	8.243650253	10.49342207
8.540836845	4.773957542	1.789047508	0.580600119	8.377341434	6.851460504	8.952308051
7.818282691	4.637935811	1.685724643	0.525797368	7.622751077	6.78116966	7.531897679
6.841769823	4.569516816	1.497263299	0.53405846	8.794324011	6.552128452	7.678774362
8.699774367	2.499106273	3.481154228	1.316349413	21.3975801	3.525295285	5.753255056
7.691354982	3.383255636	2.273359098	1.016515209	18.03881888	4.348852092	7.385165606
6.245290967	2.594119256	2.407480286	0.514647123	11.41489725	4.31165471	4.662285886
9.94778874	6.466026856	1.538470062	0.565013853	6.403672456	9.332705366	10.66545734
8.154032217	4.844504095	1.683151063	0.555457514	7.529868615	7.409417649	8.066832457
7.858346903	1.644418508	4.778799841	0.945479106	18.54418057	5.288202785	7.84861135
10.83530541	7.173126536	1.510541513	0.948474461	10.73115029	6.436506227	9.202064693
7.187894587	2.257079892	3.184599098	0.720470707	17.62211993	4.037880786	4.696320522
4.901397678	2.514791057	1.949027798	0.394623495	10.7479405	3.592274681	4.052889302

6.852485973	2.583551218	2.652351509	0.546508657	12.84479669	4.354368834	5.67072802
7.574007471	4.404167381	1.719736517	0.503077166	8.18556952	6.518354662	7.253187255
8.906231588	5.70427784	1.561324998	0.496920944	6.683582828	7.508631343	8.582056913
6.994729252	5.079246179	1.377119558	0.453672944	7.512400663	6.536399947	7.310635854
7.993842318	5.58172038	1.432146681	0.412335809	6.584769696	6.591254158	7.573449155
9.408506761	6.969571066	1.349940573	0.542319981	6.839960108	8.435498007	9.413567415
5.618005654	0.041138198	136.5642144	0.793059036	22.05253705	3.441255138	4.662896831
7.42817796	3.230111169	2.29966635	0.894032142	16.17407885	4.359520927	5.557627672
7.074915152	5.367051894	1.318212548	0.353180251	5.597304067	6.134084138	6.645855917
5.701873081	2.21340548	2.576063506	0.599455548	14.20684988	4.282222029	4.598700397
9.1733298	-0.081141285	-113.0537897	1.557930995	34.74325602	4.869812426	10.53921299
10.72886147	3.861377636	2.778506139	1.751262021	25.00401396	5.315724042	9.412431578
9.837006503	2.964226101	3.318574956	1.43335842	24.50119218	5.326938413	8.504125744
8.018451989	4.359223673	1.839422014	0.774079773	12.60691157	7.180070461	8.71672874
6.913550941	4.480812571	1.542923483	0.441656119	7.885004063	5.603849429	6.283295214
5.608595397	3.709165108	1.512091059	0.461144779	9.912933343	4.508364195	5.136977853
10.06676273	5.553531437	1.812677725	0.983744241	12.52519804	6.449832152	8.692157956
6.30180822	2.17202946	2.901345647	0.766517447	15.35879351	5.638193002	7.015382261
8.318992625	5.042365635	1.649819396	0.516507221	8.987232039	5.756983438	7.223763624
5.492017244	2.978090026	1.844140773	0.392464613	9.200380125	4.360102096	6.194617365
6.623264008	1.873306394	3.535601026	0.931241909	22.96871821	3.573325229	4.339136777
5.883655749	1.683382193	3.49513959	0.595065778	13.7641819	4.363351866	4.575362496
8.042061457	5.355143707	1.501745219	0.480161379	6.750295195	6.894060745	7.969883769
10.79391263	4.126915503	2.615491552	1.421203137	20.34598788	9.168029212	11.41926025
9.917192442	6.481381773	1.530104658	0.628820079	7.851036731	9.164278355	11.66708085
10.37390153	7.704512463	1.346470862	0.506834599	5.634363314	8.397329715	9.383718878
8.003582453	0.498087788	16.0686181	1.014184233	21.36078463	6.807056717	10.59444651
10.89741052	5.275931702	2.065494995	0.879187434	10.25474931	7.234725512	9.678665122
10.72521059	5.843736965	1.835334248	1.166489976	13.50645702	7.471889263	9.343621512
8.209410496	5.255324894	1.56211284	0.599834277	9.031360151	6.388028474	7.553439775
10.53443011	7.570527045	1.391505512	0.633886967	6.960175823	8.193737411	9.122596385
8.011703825	0.702385531	11.40641923	0.955491367	22.70977902	4.032003351	4.612560324
6.525529059	2.241690289	2.910986005	0.727714256	17.29346042	4.131657779	5.367191675
6.088303035	2.569689489	2.369275767	0.546188709	11.06598107	4.975380004	5.795332397
8.01034474	4.714156439	1.699210631	0.572211594	8.494618809	7.178297402	7.887308737
5.56520433	2.973810494	1.871405169	0.522369636	11.48469807	5.365646031	7.666697978
7.339115165	4.16414751	1.762453214	0.586231726	11.84079729	4.888751345	6.507896652
6.972580098	3.609514371	1.931722493	0.547494089	9.116517224	6.195655074	7.393563078
8.606259741	5.650163944	1.523187615	0.502838805	7.101552351	7.370417111	8.437130519
9.967747875	3.775511321	2.640105413	1.635258473	22.25082477	8.814856117	11.04971039
11.47996865	9.256640745	1.240187338	0.41595964	3.972169844	9.676804652	10.92635796
9.129089437	4.604101589	1.982816682	1.060518409	14.70329341	8.93274644	10.70815022
9.579273777	6.079456793	1.575679226	0.705850222	8.8844212	8.204602595	9.760339958
9.329881627	6.368412976	1.465024593	0.494685764	6.43223824	7.89995882	8.848993748
8.895391789	6.936694477	1.282367534	0.435477323	5.657464086	7.130576504	8.179213411
9.067083781	4.912785834	1.845609413	0.814022958	11.13232977	8.248159706	11.17243055
9.027423388	6.43795663	1.402218733	0.46254158	5.990202266	7.816897381	8.529980312

5.657981433	2.911785748	1.943131096	0.464860326	10.57056082	4.331912675	5.769281417
8.281149844	5.780078142	1.432705517	0.444409227	6.12836514	7.567600108	8.554770013
8.896027713	7.351240604	1.210139648	0.322376327	4.054156976	8.13301477	9.042820441
8.529585573	5.583122286	1.527744716	0.569090781	8.238327033	6.623386941	7.572871825
7.451496573	5.825587642	1.279097841	0.310582423	4.845216626	6.287600553	7.006512167
9.476244484	5.322809645	1.780308798	1.094469498	14.9626857	4.671573485	6.679190686
8.768978481	3.881859665	2.25896329	1.146112634	18.2947081	4.521047654	6.226474586
8.338918807	2.315482565	3.601374043	1.065629271	20.48158683	4.651564767	6.417741722
6.779651065	2.880236183	2.353852475	0.706451168	15.4050512	4.579126773	6.55621603
6.588937575	2.11554782	3.1145302	0.707389963	18.17812195	3.855256642	4.713788435
6.993856161	2.662272719	2.627024689	0.659478828	14.93443241	4.44988897	5.26967222
5.828407099	2.454707461	2.37437951	0.538643189	12.73817944	4.299485433	5.460343194
7.297027249	4.919450256	1.483301359	0.482201299	8.145553763	5.503519689	6.507458704
12.1153397	1.560262163	7.764938476	1.468722704	25.20421506	5.431720068	7.950690686
10.77437475	7.355009743	1.464902853	0.587808611	6.114118454	8.814768893	10.34319992
7.663955345	5.955303052	1.286912736	0.336604516	5.016365201	6.715987839	7.402560924
4.922011716	1.658037594	2.968576668	0.597902055	15.2208482	4.166778137	5.507343386
6.423397571	4.268197341	1.504943905	0.433748852	8.214831569	5.3235122	8.763872387
7.455096265	2.479927438	3.006175161	1.053988445	25.66452443	4.035804273	7.480907393
10.22947317	6.485074636	1.577387115	0.900005178	10.56365119	7.104199974	11.0835718
12.48380085	8.583049895	1.45447143	0.917647667	8.74131523	8.00567185	10.49827245
7.589597654	3.453036602	2.197948799	0.709692179	15.18060815	4.45442285	6.827616524
11.77593946	6.841258137	1.721311961	0.907057998	9.205039077	7.60138364	10.02947795
11.58316197	7.519967848	1.540320678	0.894813631	9.387606999	8.780029365	11.36357846
10.60343401	6.24500178	1.697907283	1.022439959	11.4007702	8.40541361	11.01728206
6.865810638	1.482360785	4.631673145	1.054689904	22.73962194	6.082877357	8.183176676
7.451851894	3.168520358	2.351839677	1.174734314	21.89483946	6.00213833	7.92199938
7.425625647	2.501048759	2.969004751	1.128562957	25.41126205	3.9455549	5.925628501
8.457944184	5.526186263	1.530521011	0.665564976	9.750984527	5.935137548	7.78620546
10.47933025	5.373117743	1.950325817	0.992611268	12.67365775	5.823288064	8.726726399
12.42462162	8.087887529	1.536201087	0.918305555	8.490826597	8.255934249	11.33462105
10.82126796	3.860795945	2.802859337	1.763191562	25.73915042	4.236915919	6.275681774
7.822377018	3.624157858	2.158398537	0.963310215	16.35792783	6.057994381	7.897480337
5.282796429	2.961465691	1.783845224	0.385745588	9.68517933	4.049944723	5.111685943
6.926752786	4.056803898	1.707440872	0.501029674	9.595165892	5.136235449	6.145288326
10.30292962	1.980632002	5.201839416	1.927141022	37.84699488	6.928608853	14.44007262
11.94152694	0.948109846	12.59508799	2.120354522	35.58903182	3.412848819	9.161562539
6.324018081	4.108803348	1.539138661	0.426831005	8.411386246	5.176013752	7.186006807
8.770609953	4.073370572	2.153157882	0.994337519	16.79435867	6.164645501	8.963089767
11.30885364	6.249874286	1.809452978	1.076797281	12.19718645	7.838020384	9.830116376
9.715489692	3.593432943	2.703679141	1.119419539	14.5078634	6.838670441	8.713101515
10.52319012	2.900811497	3.627671129	2.387965128	44.53908368	3.755501821	6.622633896
11.58723907	1.974913561	5.867213279	2.320363165	39.04455671	5.344834505	10.85860281
7.701818976	6.46349869	1.191586685	0.313196465	4.426051635	6.854573669	7.2608555
8.752005388	7.396333607	1.183289702	0.312069675	3.827266563	8.042402103	8.484437861
10.07932829	7.430413337	1.356496312	0.571843202	6.729917922	7.640124281	9.801135801
7.75293808	4.896821378	1.583259319	0.488416153	7.430256913	6.095901532	7.726021572

9.319864062	4.715398335	1.976474393	0.881012326	11.57838314	5.545662909	8.340676659
7.792024837	3.746968105	2.079554621	0.852901318	14.56475598	5.12656776	6.782366991
11.04091234	7.997149434	1.380605981	0.546697485	5.961024822	9.735881789	10.67932106
9.322847764	6.48475029	1.437657172	0.443397911	5.556836231	8.259229287	9.000261427
11.69108115	9.227293756	1.267010833	0.524820311	5.178741103	10.15711756	10.99925748
11.08291213	8.351122983	1.327116384	0.449417906	4.467166523	10.20540391	10.76870636
12.34764248	4.663077782	2.647959794	1.558150787	20.44262765	8.362361616	11.42062734
11.34261093	9.274993992	1.222923804	0.412663414	4.019485747	10.26919933	11.14463562
11.4790834	6.132453418	1.87185823	0.979426797	11.78403851	8.822141662	10.17062569
11.8341981	8.982998611	1.317399525	0.42324247	4.155883329	10.65864508	11.47796992
11.13395972	9.053191231	1.229838124	0.388735287	3.84040186	10.14209177	11.23281182
7.240113669	4.911982577	1.473969737	0.506350938	8.7610913	5.626486121	6.913068039
7.348885861	4.377571604	1.678758573	0.50407884	8.12289988	6.715770196	8.194447226
9.665853083	2.86473049	3.37408811	1.529011969	31.39698133	4.04434927	7.195886004
5.805011074	1.534043	3.784125397	0.696752636	19.75528278	3.557311036	3.861343479
5.627286909	3.784007512	1.48712361	0.36772201	8.154834543	4.452443826	5.98446233
10.50940427	3.259777484	3.223963698	1.73425614	29.55203246	4.333110752	7.780854556
6.695935646	0.711531109	9.410601388	0.856445659	21.12238433	3.800033235	4.331067512
5.310517862	1.26819608	4.187458032	0.563301565	15.75337976	3.873200452	6.687893162
7.397246625	3.209755139	2.304613998	1.123013769	20.29696614	7.024440234	7.977765765
10.57576247	3.159723242	3.347053417	2.00191077	33.94125648	9.581311485	11.91445587
6.889243713	3.989606831	1.726797653	0.661031252	11.89856083	5.439235619	8.005484174
5.709001755	1.135312221	5.028574209	0.666635293	15.68465488	4.261351098	4.746868143
5.209949858	1.563052017	3.333190323	0.716275152	18.37489756	4.050480105	4.605564473
7.95348934	5.498876181	1.446384512	0.598639761	8.933342809	6.198940866	8.208890843
13.09980136	3.039514798	4.309833058	1.548728043	28.32656513	4.38755915	7.417068903
6.807815582	4.08790665	1.665354952	0.573804885	10.58512016	5.221929227	6.0594042
6.645296551	1.215261471	5.468203108	1.043921857	25.68324998	4.116854305	7.531472215
8.465899236	2.811903584	3.01073596	0.768157114	15.6798451	5.853026973	9.630308348
11.26244965	3.382559119	3.329564762	1.556815091	24.85308374	7.562859138	11.30412103
7.960042042	5.24508129	1.517620338	0.493362315	7.160201517	6.926165407	8.819524177
8.273200855	5.375338676	1.539103181	0.4113282	6.071220798	6.932324054	7.888737155
6.953341143	5.026787282	1.383257487	0.391741765	6.337200564	6.394650529	7.245305048
6.730105457	5.053469755	1.331779111	0.297268041	4.964254815	6.494422683	7.096444655
8.827097699	5.789870043	1.524576136	0.65705792	8.793905037	8.29695413	9.724469294
8.154220106	4.551714505	1.791461239	0.625527838	10.21505624	5.772295665	7.214207299
5.342911098	1.700704283	3.141587372	0.500647635	12.63108258	3.930489806	5.464453011
5.958267989	0.774521275	7.692839671	0.706387948	16.37350475	4.537656471	6.179861047
11.86343428	6.46460549	1.835136622	1.133896328	13.20900115	8.343373224	10.58085057
9.379680016	3.707204413	2.530122154	0.961741411	12.22858466	7.733490989	9.281382912
7.957908597	6.011303336	1.323824161	0.305667197	4.605259212	6.44524599	6.954924569
8.037418364	3.886662827	2.067948449	1.031678524	18.83150642	5.022372359	6.431776186
5.977736935	2.265082479	2.639081353	0.596605831	15.81912516	3.581580761	4.160320264
11.01519593	2.988332179	3.686068104	1.831196685	37.73340825	4.183214988	7.168556234
5.552491757	1.512412382	3.671281604	0.523680767	12.54437318	4.231440932	4.770763396
8.933595231	5.471429995	1.63277155	0.579522017	7.483248114	8.491504464	10.11690648
12.96106434	3.794952573	3.415342904	2.225377485	26.10767443	8.558277463	12.5466658

5.472047847	1.227683899	4.457212359	0.749978768	21.42075702	3.375405274	4.073444612
5.121464001	2.730049532	1.875960103	0.509034329	12.42372243	4.155558135	4.831029086
6.643278031	3.206248443	2.07197856	0.727172664	15.55903494	4.485107739	5.324653804
6.185178874	1.918222991	3.224431624	0.692503144	15.57716393	4.669444914	5.436111189
5.576009236	1.786787536	3.120689575	0.678345339	16.75034805	3.787847843	4.170939231
5.803939811	1.762402189	3.293198253	0.663718551	15.34653029	4.403282001	4.910552394
8.42441498	3.205013851	2.628511255	0.831941465	16.20018295	4.916923114	6.808959861
9.677125987	4.989664969	1.93943402	0.80681693	10.02393349	8.168685948	9.619149207
7.904205304	5.478133011	1.442864802	0.442470883	7.028597253	6.533304316	7.552616795
9.200795905	6.804124923	1.352237945	0.584084345	7.319469866	7.152349678	8.179723798
10.33554043	5.621274078	1.838647304	1.073440991	12.89558115	5.803107976	8.549979623
6.941354511	3.286864751	2.11184671	0.811554602	15.53129396	4.590064532	7.72328509
9.30522051	4.440863914	2.095362679	1.149462508	16.02794918	4.851705505	8.532227269
10.54905408	2.80841285	3.756233376	1.592531914	29.6328802	4.73905559	5.537511146
9.077607922	2.561512761	3.543846457	1.130292103	19.04409424	4.96771494	6.201176457
9.207744843	6.779446446	1.35818535	0.502522663	6.3888422	7.167604677	8.029045031
7.803380691	6.159771674	1.266829536	0.339852716	4.806671304	6.989353974	7.557344203
7.833823689	6.300284162	1.243407994	0.327603437	4.628121221	7.168310515	7.532713702
8.527961669	6.934035632	1.229869894	0.352004622	4.653382428	6.958043234	8.089081517
8.498501492	5.795821522	1.466315252	0.484756937	6.551403372	7.576721438	8.618770974
10.11075018	7.807699607	1.294971718	0.446469132	4.840638658	9.09527324	9.774451707
11.21466451	5.108890227	2.195127319	1.210472053	13.36091518	5.402644524	9.520378808
10.02494759	2.38611245	4.201372651	0.966532672	20.73361791	4.560353015	6.230283831
9.754941353	2.812339072	3.468622063	1.490828585	25.38556533	4.826770105	8.393665292
11.62043597	7.363629152	1.578085443	0.628368169	6.892445291	9.769904682	10.78218678
9.356407619	5.876529544	1.592165503	0.84495379	10.85034384	7.930144492	11.39437167
9.666968148	6.568486756	1.471719211	0.700674186	8.804939728	7.395834194	8.096407674
10.20383371	4.04521872	2.522443016	1.376871358	23.15175406	5.855302223	9.269506216
10.91815713	4.519097236	2.416004029	1.470707392	19.12748634	3.855827991	8.550776191
7.043255353	4.053407437	1.737613468	0.514899766	8.588985655	5.985987316	6.803164699
7.967295651	4.395061547	1.812783636	0.652014777	10.70381903	5.660133893	6.339000176
8.475668438	5.695722549	1.488076072	0.539863252	7.609232438	7.017445605	7.847740349
7.427038267	3.395567137	2.187274752	0.715133639	14.27130076	5.034165995	7.63866304
8.122828903	5.608827225	1.448222342	0.551650624	7.774512896	6.889153375	8.135692579
9.032333189	7.326199648	1.232881115	0.321509268	4.023854378	8.090799336	9.082328255
8.583298645	7.10771373	1.207603313	0.336321217	4.350850426	8.594948717	9.472442499
6.578309363	2.945564529	2.233293244	0.681766943	12.97394422	5.703319846	7.530588323
12.41298931	6.257121232	1.983817933	1.185181133	12.1051167	9.046737385	12.81442051
8.259307611	1.411510821	5.851395177	1.022842585	20.22080266	5.455255405	7.636086005
8.70911029	7.250267461	1.201212278	0.333497973	4.177759923	8.00944574	8.861935549
6.053599712	0.772944074	7.831872851	0.79384391	20.12497931	4.222555245	6.483851481
7.000300336	4.666870173	1.499998945	0.477798253	8.288495592	5.51584939	6.47692196
9.277953646	7.134832846	1.300374353	0.471353547	5.767801943	8.087468349	9.318600644
4.997317243	2.924568233	1.708736758	0.377880209	9.694575561	4.010918026	5.525193729
8.214811558	2.682582003	3.06227789	1.038874481	16.49044856	4.696434917	7.30014959
5.662524164	3.741476248	1.513446508	0.314105143	6.388119284	4.760424847	5.844253864
13.67985468	2.315318776	5.908410894	1.68842954	31.2376221	5.638019716	11.47816506

7.849519475	2.529155532	3.103612797	0.979960772	19.00300784	4.846811939	6.404658012
10.75211508	6.796682726	1.581965131	0.930346783	10.42722959	8.525554292	10.43668094
13.07537442	4.716793786	2.772089477	1.692848087	19.0757284	6.299845135	10.37847762
9.654255952	1.165030907	8.286695138	1.590253146	26.70461518	4.79987631	7.517718081
8.821688796	4.306404879	2.048504273	0.995949119	13.63090451	8.064079703	9.938289686
10.73344004	5.925353135	1.811443098	0.932541997	11.14154726	7.431997886	9.584056952
9.129275919	5.57977129	1.636138014	0.628454851	8.602898037	6.663445014	7.467755995
7.896139376	4.953204426	1.594147686	0.680200398	10.5790511	7.012337477	8.133290371
7.991441184	3.346202556	2.388212025	0.999451205	19.23636148	5.630138751	6.760327627
9.785225266	2.673451163	3.660147378	1.6976291	27.84766893	7.852206231	9.258295606
8.624696287	5.48984791	1.571026452	0.641349784	9.207294607	6.637020444	8.086489906
7.652080237	4.941563596	1.548513965	0.485414962	7.830973984	6.63027648	7.663085338
8.333105703	6.538946393	1.274380489	0.372751886	4.805721658	7.520804147	8.062539029
7.189683517	4.717216256	1.524136933	0.57829935	9.507323148	4.697361991	5.956669203
10.11044197	6.162511152	1.640636701	0.696254456	8.241152557	8.362560622	10.03442133
7.31997252	4.930918501	1.484504869	0.517088503	8.536740795	6.384973238	7.756069087
7.024721482	2.407783149	2.917505874	0.671165692	16.6147035	4.086263107	4.448804319
6.002866762	2.669549927	2.248643751	0.564881741	12.36161912	4.438523808	4.782751178
4.790104869	1.836825454	2.607817122	0.555090111	15.21306533	4.024780167	5.059754542
6.484245318	3.008927479	2.155002194	0.523431888	12.33456139	4.2470827	4.705621801
6.307396232	4.259381598	1.480824407	0.351829788	6.850240121	5.100503742	5.687375427
6.63693941	3.106191446	2.136680731	0.556334507	12.35761443	4.597750535	5.548202982
9.042744327	2.713540618	3.332452172	1.20806001	24.25981511	4.20398547	6.085098087
8.961348811	3.454134374	2.59438338	1.316482061	25.73952768	6.387601643	11.30998323
5.465209751	2.124311909	2.572696471	0.49729748	12.0749957	4.162227157	5.332974021
5.305951575	2.523847984	2.102326134	0.521560528	13.53896506	3.682250157	4.411320546
11.9507589	2.019227295	5.91848126	1.702311355	38.31370794	4.074908379	9.611914798
8.130085757	3.140966851	2.58840228	0.843360364	19.97891256	4.215337068	6.792389146
8.376277241	5.722532525	1.463736065	0.545982392	8.056441881	6.573371415	7.880904051
8.447239607	3.431121308	2.461947232	1.015973771	19.50409802	6.026266827	11.67979305
11.17278727	3.260503076	3.426706557	1.238918159	28.91998718	3.791846849	4.561874278
10.97516895	7.766625596	1.413119355	0.483652238	4.850677496	9.808386438	10.7164638
10.61319604	6.118546467	1.734594335	0.921016672	11.31640563	8.17752012	11.69417697
8.181406478	5.461293683	1.498071144	0.501434824	7.26087665	7.098099698	7.800508278
6.699011868	2.763500692	2.424103561	0.590445077	13.76364526	4.120360996	6.625560421
9.818374166	6.645314872	1.477488179	0.530632532	6.204986398	8.862146423	10.67778571
7.734362951	4.90800686	1.575866369	0.599155158	9.956733241	5.266370513	7.384288543
9.683404574	6.427761723	1.506497128	0.468146749	5.519839507	8.490932979	9.273547537
8.129215203	6.163710369	1.318883386	0.404548449	5.835371488	6.793652971	8.319274948
5.29339747	1.25530624	4.21681762	0.660967209	18.96922671	3.456291905	3.664299527
7.995297089	1.530996221	5.222284013	1.05774851	24.28383603	4.515383715	7.454862106
11.06222945	8.369995705	1.321652942	0.481699097	5.164282307	9.657147971	10.74383438
6.906640569	5.041508695	1.369955104	0.387146865	6.458371633	6.147533308	6.84296399
5.088443088	1.263295933	4.027910606	0.483303988	13.22651912	3.454233015	3.911966488
9.616256628	5.859765795	1.641065013	0.68495603	9.097996042	9.358152472	11.44580019
8.433723496	5.992453383	1.407390756	0.623469095	8.617524649	6.810585222	7.868764107
9.485822105	6.866270424	1.381510124	0.46583176	5.695434343	8.423020961	9.503806574

6.432119834	2.408640583	2.670435714	0.63814716	12.89951817	5.005464668	6.132161535
5.34878027	2.209427026	2.420890216	0.513553511	12.75443713	4.180830324	6.226987935
6.142192029	2.167511216	2.833753285	0.67779407	18.31040481	3.600307189	4.021467057
9.376170915	7.615092199	1.231261641	0.323624987	3.826717346	8.764620437	9.501348209
9.103393575	5.656469412	1.609377319	0.72199326	10.119173	6.62745318	7.986422939
5.522867305	2.427171085	2.275433874	0.512705899	13.41052369	3.838726243	4.602289618
9.161131579	3.996412174	2.292339023	0.864308569	11.88166147	8.648525699	11.0512435
10.32682923	8.251705203	1.251478207	0.418186802	4.443971477	9.356057505	10.40282985
9.895400263	8.051161461	1.229064938	0.352745441	3.936675569	9.016500832	9.953023456
7.841134644	6.551577099	1.196831622	0.321570588	4.460455568	7.099033262	7.552253604
7.456541268	5.092478391	1.464226393	0.488924862	7.58802215	6.991964473	8.370793903
6.90003687	5.177545977	1.332684809	0.394359336	6.562379049	7.002015836	9.060810632
6.856086333	5.118944088	1.339355581	0.377129489	6.250263151	5.953318581	7.37008343
7.718803449	5.663142778	1.362989377	0.431794023	6.461659372	6.586698938	7.40975901
9.698075894	7.046341698	1.37632779	0.487394676	5.717617334	8.717622742	9.970385798
7.811174748	2.04150524	3.826184032	0.83928169	18.84957159	4.378070378	5.335549224
11.62880166	4.345634216	2.67597342	1.62696824	22.71094306	7.360162814	9.127804969
10.04133587	5.549891213	1.809285171	0.714962484	10.04897782	6.846217372	8.014468822
9.675212644	5.79318384	1.670102816	0.978329026	12.17018698	6.891298107	8.652780614
8.096588097	3.124555021	2.591277172	1.009221939	19.8856996	4.958863574	9.278561826
7.755808751	5.369219845	1.44449454	0.418216763	5.974504603	6.901032808	7.31378032
8.383956274	4.378270626	1.914901337	0.777772316	12.25811986	6.578206264	8.469562635
10.28864925	5.450959089	1.88749339	1.256402545	16.17197425	5.917877999	9.417421907
5.963778176	3.299267253	1.807606877	0.472015586	10.03794492	4.664352193	5.906605873
8.466046042	6.459363021	1.310662679	0.452239033	6.142720111	7.140501924	9.012022619
9.65924372	3.195012242	3.023225888	1.354329605	19.56331854	8.528143712	13.42757338
11.68961765	1.036584797	11.27704909	2.125322926	49.71188628	10.48601368	14.89840447
9.857853603	4.119046778	2.393236623	1.370702442	20.44668639	8.967146273	11.38748602
5.870615944	1.916904779	3.062549589	0.516838656	11.14230339	4.650445674	5.842338346
8.175600947	5.042079884	1.621473903	0.560693401	8.161905761	6.885780812	8.478016545
8.888670249	5.996936954	1.482201717	0.527209267	6.954960942	7.90650286	9.839561941
7.137575768	5.096817286	1.400398595	0.451418796	7.526268103	6.223827829	6.740973731
8.794189314	0.681321928	12.90753893	1.22318179	30.22439526	5.03852546	7.839166506
7.349116894	4.757274885	1.544816533	0.548001955	9.373524099	6.774884411	8.266505191
6.748346027	2.994279888	2.253745902	0.55948312	11.56068805	4.958291612	6.466734615
6.898472391	2.774435151	2.486442111	0.770604285	16.58419259	4.292964561	4.829590102
6.288417811	2.425802842	2.592303753	0.668714395	15.40039169	4.258700621	5.189256953
7.957538128	1.862258325	4.273058158	1.077235276	24.01378736	4.626076193	11.84680854
6.153408027	3.453597507	1.781738612	0.643669668	12.93562784	5.317919187	6.804591308
13.67791588	2.11297329	6.473302785	1.538216793	41.2007534	3.37702817	4.845204552
7.694149633	3.783819235	2.03343478	0.676416667	12.47258819	4.544230681	7.309537705
7.921414532	4.266319575	1.856732576	0.494176987	9.341330841	5.299567133	6.180958086
6.883649065	5.197769536	1.324346725	0.304949667	4.983219473	6.184796856	8.145971441
7.339989537	3.867338839	1.897943222	0.8444467	15.54165131	4.71234529	6.295047891
5.20067468	2.157720181	2.410263724	0.460554621	11.95023249	3.89515782	4.946720217
6.494678627	3.927020531	1.653843818	0.373386855	7.98107819	4.840666365	5.623509199
8.119686803	5.997703394	1.353799325	0.507244955	7.136964848	7.10195241	8.264311744

8.866736106	3.387816565	2.617242089	0.884252638	18.27755452	4.634362392	7.74228545
8.042064205	3.625658768	2.218097377	0.841910639	16.41292534	5.274312776	6.925773759
6.394288633	2.961890756	2.158853637	0.647788195	13.46064416	4.942330723	7.596355731
8.54074004	5.387095779	1.585407127	0.667414758	9.055760692	7.517892524	8.492576608
8.52869131	6.884044101	1.238907128	0.323644342	4.181446715	7.917266432	8.750249301
10.64363473	7.133337249	1.492097508	0.632615633	7.495166784	7.403553281	8.353679774
5.731206846	3.509752226	1.632937733	0.370309168	8.059741673	4.816041209	5.742203935
6.676319473	4.813019473	1.387137432	0.381663145	6.781227675	5.794134631	6.555693089
7.088373105	3.396986668	2.086664976	0.713963851	13.02062312	4.232867117	5.689846467
8.337182919	2.399873443	3.474009408	1.369062805	28.89760706	7.65429151	9.952046578
7.713188584	4.643863991	1.660941965	0.542913319	8.742585898	5.91650791	7.088942446
8.092864917	5.275086086	1.534167364	0.567643174	8.737502161	6.845389754	8.021203805
8.442929194	6.093378555	1.385590788	0.447389288	5.971782794	7.038380311	8.533387581
6.403574085	3.772062624	1.697631965	0.439099821	8.98433361	4.887325354	5.667221669
9.503910017	3.856462637	2.464411278	1.549071619	24.10947988	5.738652584	9.899646422
8.189281453	2.509762252	3.262971004	0.887446107	20.68058235	5.907842941	8.321876944
11.05975975	1.79584893	6.158513428	1.868913283	31.88646455	5.377123483	7.599186396
7.93192321	2.861904052	2.771554555	0.733695317	11.79485127	5.487944693	6.45551847
6.181816052	-0.273461647	-22.60578814	0.990376193	24.1178682	4.074309468	5.518691576
10.57871282	8.006340482	1.321291899	0.561059883	6.138571915	8.034564725	10.03438293
7.910887377	5.490976223	1.440706908	0.48755801	7.145250617	6.123295209	6.866954393
4.956708626	0.975057061	5.083506209	0.67249071	19.71647437	3.346109916	4.144701294
6.10121349	4.079151974	1.495706345	0.315484594	6.50395349	4.747681644	5.480067148
7.784222162	4.963208485	1.568385085	0.507487795	7.708919847	6.885417819	7.75380662
8.1034118	2.948549836	2.748270252	0.891692859	16.0018846	5.418795975	6.885226844
8.342135753	3.022134779	2.760345372	0.817034295	18.22409666	4.35885064	5.511386111
6.557239287	4.421401861	1.483067926	0.389531807	6.7244535	6.082164599	7.713129451
6.630234928	2.025350709	3.27362313	0.763293558	21.51344631	3.383517991	4.464760319
9.529638001	2.56021459	3.722202834	1.486312918	24.89510834	5.015513622	7.367980348
7.572584634	2.207208278	3.430842802	0.855351117	20.9347147	3.862723076	4.507422639
7.806315915	4.938584856	1.580678705	0.617814511	9.900943174	6.025495534	7.351091866
5.882715515	1.203712773	4.887142221	0.720747843	19.90948493	3.535602912	3.856800387
10.09299267	0.506816671	19.91448437	2.103971387	46.14820697	3.033057777	4.225706917
8.06562407	5.017660849	1.607447038	0.602851003	8.958858397	6.96517166	8.954557737
11.90029428	0.864037291	13.77289431	2.379998129	28.31754744	9.990984953	11.7782603
12.29852931	-1.406295108	-8.745340319	2.453370539	59.80273856	3.743560652	11.13038501
9.71777912	5.505999109	1.764943823	0.838821859	11.67881077	6.382940175	7.944111168
6.166994061	3.415007431	1.805850847	0.574460421	11.86031646	5.880483214	8.116459909
6.226961621	3.162273909	1.969140498	0.545637176	10.67547139	5.738534451	6.883381408
8.059180253	5.063766432	1.591538702	0.611130137	9.731951208	5.654101295	7.808562601
6.228340508	4.767419855	1.30643843	0.357332414	6.450251527	5.155214804	5.783330144
8.139080408	0.1983461	41.03473888	1.201975869	21.45337288	5.500786382	7.386902061
9.692792887	4.978019066	1.947118474	0.711178019	9.158595963	8.000027515	9.492845048
9.027842778	4.677859516	1.929908914	1.128941848	18.25896828	5.221439876	7.326601531
8.294775237	6.159337883	1.346699174	0.528226728	7.3362734	6.763679279	7.853382272
9.061179666	3.664304499	2.472823879	1.267824893	20.65468369	5.923342782	8.521550967
10.83855334	6.770621817	1.600820964	1.026820309	12.07647358	7.033028067	10.94867836

11.3693025	6.587659107	1.725848638	0.883394736	9.509567493	9.008049902	11.61334058
8.198795669	5.112105949	1.603800029	0.556743024	8.777153906	5.513032653	8.081547111
9.467410261	7.044591889	1.343926009	0.531444951	6.357753206	8.330047441	9.462750037
7.920779493	5.865590019	1.350380689	0.352539327	5.282686264	6.657565553	7.52327984
6.039499406	3.941832422	1.532155292	0.424834192	7.821567288	5.7290059	6.20720151
7.701332025	5.88270502	1.309148087	0.373654594	5.574447963	6.522839791	7.276786422
6.79748476	4.74833924	1.431549941	0.529400735	9.398961705	5.198557669	6.083645367
7.60112803	6.1362473	1.23872583	0.341022812	5.069825994	6.729407687	8.117000971
7.58312181	4.705778367	1.611448993	0.443821886	6.941117359	6.234428494	6.702840296
6.893786307	3.301955282	2.087789118	0.719803878	13.57839529	5.626757544	6.87363689
9.818634666	0.839709845	11.69288977	1.49774696	21.02212746	6.016002931	8.859452307
8.667956559	5.166151073	1.677836447	0.658923722	9.362399515	7.534392877	9.278690392
9.495707444	6.661276339	1.42550871	0.550526259	6.806602963	8.851320786	9.942993705
10.02066622	7.955303402	1.259620874	0.403250753	4.480138254	9.4499409	10.40317567
10.01943709	2.663015962	3.762439744	1.424134783	20.06547411	7.620577562	11.51084505
6.409590657	3.771417368	1.699517723	0.448023916	9.948838317	5.083265508	7.008684842
8.605977791	4.236034563	2.031611797	0.784423494	12.31088041	6.759463276	8.691514632
8.82673312	3.363907227	2.623952602	1.182369676	17.71779659	5.666667247	6.943518981
6.795008559	3.154450894	2.154101867	0.529169533	11.38220873	4.780477639	5.798787712
6.701145958	-2.02372103	-3.311299264	1.205273642	29.34120441	5.905714476	11.22068978
10.6613498	4.052942856	2.63052063	1.416829842	17.94898682	6.086735823	8.419146955
7.989635791	3.623902669	2.20470485	1.001819816	17.34492832	7.312480764	10.65750674
8.261024257	5.487319509	1.50547535	0.590296442	8.715784762	6.202871846	7.941739491
9.623192561	7.336144429	1.311750696	0.41648474	5.029956577	8.327243508	9.627398785
11.99533023	10.02033287	1.197098978	0.340679739	3.114348965	11.21276726	12.01265407
9.706764818	3.983192414	2.436930936	1.251056818	17.05813514	8.131917532	10.30599516
7.704529706	2.443110666	3.153573767	0.759250508	12.61835797	5.465917248	7.393924196
10.74002159	2.898009	3.706000081	1.344161244	18.17667094	6.845174267	8.819739229
7.542021167	4.355192723	1.731730752	0.642283002	11.9885858	5.167089842	7.492793988
6.552254689	2.660297692	2.462978	0.623346948	15.02763219	5.479664055	8.39718642
8.396119704	3.37578456	2.487161	1.050959571	20.04715149	4.719545444	5.942165727
10.30073955	1.027584924	10.02422214	1.985711204	30.34028541	7.573011889	8.993242522
7.255362076	2.743679429	2.644391323	0.919593198	17.78490065	4.848714813	5.884643403
6.840194726	4.488675897	1.523878062	0.499494135	8.824088169	6.254418218	7.211114121
9.449451317	4.923163412	1.919386079	0.854062746	12.61188149	7.818505404	11.35408905
7.084705264	3.714945147	1.907082066	0.611486216	10.5378122	5.71521408	7.715080399
11.76314821	7.142378819	1.646951038	0.982767697	10.95138579	9.944741858	12.32592741
10.05907622	4.256896972	2.363006736	1.292515339	18.70387219	7.60485189	12.33688231
9.8374314	3.34774222	2.938527149	1.367405163	21.29233756	6.473898891	11.52867772
5.559454325	3.142681664	1.769016057	0.423106544	9.87893648	4.462911751	7.340275229
9.597491536	6.451527151	1.487630961	0.57104868	6.963776729	7.566771396	8.818701654
9.572377746	7.165183033	1.335957184	0.382569276	4.749859208	7.85970301	8.792714913
9.556832045	4.342181448	2.200928763	1.041244809	14.81239779	5.91778037	8.000463426
9.340775633	7.050613504	1.324817426	0.468985897	5.516901108	9.107621904	10.09586747
6.74200011	4.916674885	1.371251968	0.32541724	5.367493043	6.184641643	6.850876433
9.455987609	4.456229496	2.121970518	0.979371363	12.82279283	5.482742579	8.63146926
7.850332859	5.798746672	1.353798209	0.365263877	5.323301428	7.085488805	7.6973299

9.038847707	6.863677538	1.316910309	0.453931603	5.752737839	7.356142867	8.297841803
10.13883172	6.556813948	1.546304623	0.736601582	9.184728722	7.624075571	8.973918377
9.171548743	5.728323382	1.601087811	0.682568727	9.329528072	7.221437141	8.01081357
7.607754495	2.101320826	3.620463092	1.033850603	24.04525139	4.057805557	7.030252737
7.857559217	5.070186255	1.549757508	0.381619574	6.112116507	6.315049489	7.148561697
5.497643014	3.189083463	1.723894366	0.398004017	9.401771861	4.187013082	4.642381079
5.662599631	2.957552372	1.914623621	0.493348417	12.33721077	3.847645397	4.688921919
8.961942335	6.133428822	1.461163502	0.606443409	8.002586712	8.034375641	9.113514414
9.768002655	5.795787292	1.685362516	0.522996404	7.596612913	7.16432895	7.829520454
9.276684689	3.981476704	2.329960811	1.228486762	22.83251964	5.563141648	7.940705499
8.565760137	5.945526253	1.440706806	0.602092643	8.732487933	5.269673518	7.138993447
7.172064092	5.338316739	1.34350666	0.374551158	6.025420403	5.912123925	6.547299804
8.927634721	5.361280425	1.665205699	0.706791879	9.747220402	6.494710141	7.64678295
8.405422273	3.140905118	2.676114673	0.799683769	15.12323118	5.56516125	7.673017271
7.959356604	3.978434019	2.000625514	0.987239599	15.98806869	6.835219113	8.648200534
8.10345759	3.384861133	2.394029555	0.878431207	13.35701341	6.450414644	8.506844907
10.87801364	6.737399208	1.614571632	0.837609985	9.282662929	7.106268071	9.382914813
9.655235357	-0.669509474	-14.42135732	1.776183457	32.39412101	4.055642491	5.456296039
5.267862962	3.266498357	1.612694202	0.32721449	7.472406058	4.467827124	5.714799258
8.199462692	5.683708446	1.442625492	0.537727897	8.042359398	6.204367543	7.315911917
7.379180309	1.086503612	6.791675818	1.035104348	26.02417043	4.058159113	5.53718567
5.955734681	1.178828147	5.052250146	0.711940014	17.49300179	4.174332633	4.744849439
8.916815929	6.283236497	1.41914377	0.53028528	7.278859706	7.05469306	8.097094865
9.892208739	6.033974138	1.639418485	0.676075148	7.809237659	7.447185624	8.652602607
9.431022796	4.794097212	1.967215594	1.156084174	16.43010986	7.098600003	10.5013518
6.276305127	3.934969552	1.595007291	0.593275638	13.05017993	4.929963701	7.625844946
8.824545733	2.748664527	3.210484818	1.239312806	22.24209242	5.744471075	9.212899716
8.044282537	5.865820608	1.371382297	0.40721219	5.603066235	7.762749019	9.178940172
8.352615552	5.22542601	1.598456382	0.582932883	9.370803385	5.809980443	7.257187231
7.842756686	5.618882964	1.395785735	0.40426627	5.661183933	7.384902971	8.424172407
7.941325075	3.257014865	2.438221931	0.63445581	9.482623037	6.777312437	7.409936045
6.140776281	3.647918622	1.683364383	0.506739775	10.85523203	5.031234545	5.871949397
7.036438738	2.676382134	2.629085977	0.645738511	13.33278019	5.635870045	6.944724438
8.068317645	5.291181144	1.524861354	0.523396203	8.353140784	5.471282852	6.572012947
7.133960845	2.872515693	2.483523715	0.766654502	18.27642528	4.249835319	6.791842671
7.648089001	4.227287784	1.809218911	0.735310653	12.64396369	7.294010357	8.574279849
9.218968565	6.020793901	1.531188198	0.527613147	6.636844772	7.387082505	8.667622482
5.784770372	2.699465552	2.142931725	0.591238732	12.40609218	4.84601131	6.654460608
7.038429398	2.791801244	2.521106906	0.904969457	18.30129482	5.031542608	5.993334128
5.761511195	1.792494089	3.214242787	0.794722967	20.45905219	4.141863637	6.591223721
7.635085775	3.375613591	2.261836424	0.919268714	18.08369225	5.474528715	8.266507205
7.287615735	4.728405578	1.541241676	0.686291426	11.86803086	5.231187625	6.578375626
9.174251424	3.414345249	2.686972393	1.115151037	18.64711712	5.548900223	8.025213442
7.612636541	4.823320591	1.578297855	0.55010934	8.838470212	5.751104897	6.945428611
8.960622483	3.380560385	2.650632281	1.191635499	20.7454579	6.966349493	10.9698321
9.12096586	3.701831147	2.463906509	1.355209726	20.7957563	8.056940404	11.76030809
7.545101591	1.759193147	4.288955767	1.3432081	26.49287778	6.918440907	9.195369686

7.350075705	4.11094477	1.787928595	0.624741698	10.13214318	5.533729349	6.590169732
5.612316341	2.048008191	2.740377878	0.577496924	13.20030892	4.503601126	5.535069639
7.493717133	3.864930928	1.938900662	0.621138556	10.81409041	6.679467779	9.412971731
11.20895365	6.747677489	1.661157289	0.670261193	8.457883223	7.741669275	9.067224248
9.998253713	6.833694759	1.463081695	0.798423697	9.248109271	9.012415615	10.42692297
9.343597351	7.098538846	1.316270511	0.439000865	5.343133838	8.26731665	9.51960156
6.987899598	5.150193578	1.356822708	0.304409955	5.244459478	6.101031732	6.827702312
6.477462903	3.485867116	1.858207065	0.685083603	12.99401556	5.964768044	6.448048008
6.607310576	3.611431316	1.829554544	0.761360992	16.05353641	5.382155272	6.797813931
5.552986295	2.235276848	2.484249904	0.687121853	16.82538879	4.517927315	5.496229717
9.097022608	6.043719336	1.505202691	0.539274678	6.968014556	7.784514619	8.761989453
7.558869361	5.166089394	1.463170453	0.494020531	7.8844248	5.977167083	7.160240782
7.62908692	2.562929051	2.976706248	1.42610388	29.13680499	3.06541159	5.393736593
7.954558682	1.969159322	4.039570893	1.043995379	24.1414733	4.411733933	6.655535956
7.962566845	5.554076473	1.433643718	0.496119099	7.237951772	6.72725591	7.695643255
7.111065552	4.886004164	1.455394902	0.438945692	7.265835476	5.999846204	7.39351222
6.263675084	3.769059865	1.661866701	0.548199114	10.94473411	5.173250635	7.228537011
11.10193313	8.45609649	1.312891018	0.508621935	5.359165016	9.285688702	10.45951752
8.087744754	6.472524109	1.249550348	0.348414247	4.724714836	7.406084358	8.357914495
5.610841491	3.438785715	1.631634523	0.386797513	7.988192866	4.778932043	6.530543779
5.574595924	3.195509253	1.744509398	0.449655468	10.84886475	4.030499765	4.532377671
7.443351959	5.567170075	1.337008185	0.452668041	7.003306572	6.351207087	7.904790397
5.825313083	2.054523541	2.835359618	0.546298065	13.26110285	4.245800657	4.796930121
9.690012411	6.599053705	1.468394234	0.47231749	5.533929363	8.129247311	9.293913398
9.220548465	6.099533745	1.511680868	0.586351811	7.613623667	8.320914857	9.996523207
8.727681629	6.01570288	1.450816605	0.501168301	6.794817369	6.68753087	7.654752942
7.999497887	4.769742344	1.677134174	0.647245514	9.696415835	6.03446602	7.727496578
5.84940918	3.892542659	1.50272192	0.324726332	7.163421795	4.619882415	5.382556614
6.903179848	4.177165329	1.652599144	0.383393247	6.81228726	5.795432165	7.120198146
8.522209132	4.632888759	1.839502214	0.969252158	16.31163566	5.757076024	8.016467447
7.935713981	5.07835451	1.562654589	0.610509647	9.241475936	6.782216627	7.984975365
7.677490081	5.476707745	1.401844035	0.409125692	6.283102803	6.14354304	6.832096166
9.870635005	1.918233926	5.145688893	1.309314326	17.51241739	4.935828232	7.075581582
9.93453396	5.184449726	1.916217629	1.094944673	14.43068772	5.046987747	8.356732764
8.225482566	3.921944892	2.097296824	0.913322448	16.58300287	6.672214357	9.184997701
7.976892941	6.2481721	1.276676252	0.379921813	5.492653905	6.599808785	7.022174522
9.397401347	5.089711245	1.846352552	0.767579584	11.29927939	5.988323204	7.559320556
8.755938305	5.759683069	1.520211824	0.51593289	6.804144066	7.002056682	7.983425912
6.090188743	2.31872611	2.626523554	0.54805447	12.55319929	4.4641226	5.289038574
9.446266722	5.630298018	1.677756078	0.745872365	10.06389809	6.943354268	8.006546851
8.060498257	5.09749879	1.581265359	0.554522832	9.31137376	5.628174248	6.416562795
8.602307794	-0.130183104	-66.07852708	1.667788428	32.5620328	6.21350013	8.708033576
6.099846474	4.67684389	1.304265573	0.301618011	5.609392509	5.301826554	6.980871314
8.513649728	4.432613907	1.920683801	0.653962626	11.53870467	6.075545754	6.924149445
8.796144799	3.026022475	2.906833928	1.139805043	18.52191433	5.086105445	7.333641592
6.154209075	3.120784783	1.972006884	0.544086517	12.71692138	4.248641733	5.381270957
8.230671909	5.259610111	1.564882517	0.625301946	9.271012734	5.979492667	7.438116768

11.43704394	2.519015663	4.540282978	1.43538261	22.86026462	5.779699081	6.681327539
7.246145997	3.023427408	2.396666107	1.027998596	22.47926273	3.637938945	5.708706497
11.22403238	4.619721306	2.4295908	1.597656092	20.53310231	6.389280896	10.07922865
10.90441709	2.540626846	4.292018371	1.356850617	29.98041305	4.304028067	8.959711649
5.853901904	3.160502649	1.852205979	0.408244062	8.802883543	4.746406616	6.351094559
10.33211806	3.701254334	2.79151799	1.105949651	17.83653508	7.373395888	8.891637575
6.773843804	1.923089002	3.522376654	0.830520058	18.83000581	4.67165152	5.684980272
4.34926544	2.215563901	1.96305123	0.361353093	10.09664802	3.604183311	5.467355637
6.47367666	4.462785632	1.450590997	0.441016009	8.694446267	4.966549246	6.516685367
12.4357199	5.625189516	2.210720166	1.5819069	17.53834295	6.93418212	9.432399319
7.244515315	3.357866057	2.157475966	0.73510772	14.22035041	6.799544365	8.550975198
11.78770922	2.190926798	5.380238735	1.906518326	31.84610178	6.547499423	10.73348224
10.33287996	4.149298252	2.490271688	1.219044591	22.30569447	5.026644003	8.734639483
6.239830778	3.015938387	2.068951675	0.643830171	15.25061186	4.311279069	8.844631438
5.680032272	2.416613404	2.350409984	0.550056477	14.5701334	3.690549449	4.001318887
6.085354571	4.393289275	1.385147708	0.437078134	8.528427457	4.649902124	5.278664063
7.299868836	2.961662554	2.464787498	0.541281049	11.13929076	4.892420247	6.125106689
10.55172878	4.699538486	2.245269151	0.983908514	12.84485378	7.844505958	9.695508469
9.142215727	6.226351496	1.468310251	0.555480505	7.062806214	8.436028304	9.942312062
8.03771143	4.573250017	1.757549095	0.63783287	10.79247978	5.197908579	6.40991782
8.014602627	5.091402967	1.574144235	0.619291321	9.965240663	6.082894651	7.362304925
7.946308186	5.282644158	1.504229312	0.457420989	6.914487016	7.085612971	7.698956898
9.293348374	5.1541683	1.803074295	0.681043632	10.14863932	5.912839816	7.133619348
10.45385957	2.810360474	3.719757541	1.543963336	19.80502022	4.453076281	8.78391498
8.620965003	3.326253662	2.591794216	1.112518435	17.20880538	5.446966382	7.796071336
9.450705886	5.491124292	1.721087592	0.741990186	10.2009995	6.7428552	7.641785561
7.283580146	4.723952514	1.541840255	0.567982949	9.171233538	5.930399055	6.788958776
10.71923915	6.161282115	1.739774116	0.934854371	10.71594929	8.292475279	9.840758092
9.837700401	2.828250176	3.478369942	2.005953753	39.40875533	3.823828236	6.476132242
12.66223013	10.53594493	1.201812482	0.395549196	3.532271329	11.28992833	12.10909389
9.229310126	3.708642839	2.488595027	1.619270375	25.05299668	5.481093664	8.783571664
9.719743412	3.558923877	2.731090562	1.154155896	14.6257456	7.058932279	9.203464748
9.298779607	2.688887582	3.458225501	1.420748442	20.08691609	6.811454757	8.560599853
13.5813239	4.253049706	3.193314172	1.818293366	25.07187173	7.257473679	9.281747268
7.801041431	2.339666104	3.334254156	1.11358936	23.03930825	4.702597665	8.009489361
11.6196219	5.720289071	2.031299774	1.247255156	13.80972487	6.380931014	10.20639274
5.297084842	0.891998416	5.938446465	0.81035277	18.78545641	4.354057929	5.10053105
8.648293282	4.588656679	1.884711341	0.806043763	11.87145992	4.973128025	6.709058294
11.39420926	4.189840976	2.719484897	1.373817427	18.62067808	4.630236349	7.117168936
10.01081306	2.854740337	3.506733321	1.486289606	21.51364263	4.47111126	5.740518311
10.63263113	6.886905649	1.543890925	0.697523034	8.487479759	8.017733352	9.643784278
7.303002076	3.962836214	1.842872549	0.573668599	9.432190728	6.314711855	7.534100434
7.955390223	3.5567588	2.236696574	0.983448861	18.92171288	4.399375725	6.245499029
6.757811034	3.237692976	2.087230347	0.508226513	11.2534259	4.372618569	5.117091331
9.703618742	7.013567963	1.383549542	0.48380151	6.285771828	7.754941563	9.215130249
7.838469471	5.535084845	1.416142605	0.484042309	7.063195796	7.323275675	8.391789414
7.271773741	4.248332829	1.711677035	0.711124301	12.67667375	5.731509094	6.561671848

6.615307292	4.140653853	1.597647987	0.52700966	9.126417164	6.141189712	7.494860484
9.259690241	3.872358312	2.391227644	0.926452206	13.12865536	5.675671702	7.506768441
9.329490066	2.913166899	3.202525084	1.657103599	27.3978651	6.015951454	8.549365764
7.329647946	3.869489921	1.894215541	0.553333405	8.973406602	6.437667303	7.958151096
6.299712578	2.68644948	2.344995737	0.501520865	12.66585427	3.928417738	4.632135983
4.940630135	1.907354337	2.590305346	0.507249424	13.39795997	3.734147281	4.969553115
8.116876708	4.430569274	1.832016657	0.776629871	12.6433938	5.606137081	7.851817379
7.920925481	3.160916571	2.505895142	1.036562574	20.27244647	4.81670604	6.057269525
8.046893097	2.529059552	3.18177288	1.038572401	20.64161533	4.864655427	6.432228258
5.883141158	2.609620294	2.254405046	0.608831036	14.09748003	4.466765426	5.58268866
6.038041213	1.855238504	3.254590286	0.868647741	21.19678562	4.074483755	5.347989712
5.374799435	1.240767284	4.331835232	0.629115696	15.79203121	3.914292772	5.135815688
6.173747794	2.556807542	2.414631407	0.622853994	15.894111	4.774298439	7.509371532
8.563296505	5.356364439	1.598714315	0.588031322	8.783189619	6.653025166	9.304517326
5.779082118	0.399520591	14.46504197	0.940207167	26.68855215	3.916050958	8.537910988
7.180004185	2.931271957	2.449450031	0.786129259	16.87272261	5.55489326	6.943689162
6.054520667	2.910732335	2.080067822	0.517492895	11.33229883	4.381692323	4.780080005
5.038167284	1.168096593	4.313142692	0.53073785	15.17638892	3.495845004	4.151583438
5.747478179	3.759630294	1.528734936	0.37029914	7.865835044	4.487883972	4.920524103
9.259024451	4.985031709	1.857365207	1.032967674	15.3711723	4.620484591	6.481991591
8.721407877	6.375515035	1.367953464	0.453621752	6.074278089	7.628394715	9.283983215
7.358344337	4.069319849	1.808249194	0.744603094	14.13808317	7.046784689	9.326011057
11.54366126	5.453204212	2.116858422	1.186701521	14.57120269	9.169912152	13.26149979
10.51386377	4.989104921	2.107364736	1.233413935	14.62473286	6.299068936	8.810796647
9.762073971	6.413041535	1.522222165	0.672149778	8.28706178	8.84340448	9.928414766
8.296004634	5.018584871	1.653056558	0.540358969	8.726007356	6.394642721	7.366306237
9.695279245	2.402105676	4.0361585	1.70697201	33.50468503	4.147333995	5.730650771
8.798007187	2.636633141	3.336834029	1.464631346	28.44575212	4.298118152	6.315484579
9.739078406	4.781782143	2.03670475	0.972699867	14.21374886	5.693238216	7.995069734
10.19762111	2.417157842	4.218847826	2.126490385	35.77307172	4.169210088	8.872362074
5.858724783	3.0382067	1.928349636	0.624695622	13.31414759	5.157320041	8.055674873
9.815639936	2.878566198	3.409905926	1.326893733	20.84910253	4.295515976	7.265925461
8.060090871	4.88088669	1.651357916	0.692025833	10.82480983	6.64449027	8.223753572
8.445495705	6.453382981	1.308692779	0.460333963	6.212670852	7.789283834	8.822240252
6.560685887	4.309634733	1.522329917	0.470416296	8.921119248	4.806595003	5.457467629
8.683275132	6.941564103	1.250910458	0.43271757	5.647584197	7.275133826	8.531848224
5.309210835	1.706191649	3.111731814	0.555444728	14.74633527	3.816849071	4.42002195
10.62813245	6.084503564	1.746754248	0.813453259	9.475289228	7.225648025	8.8472977
9.914395947	5.593503629	1.772484047	0.961560258	11.75496649	7.890406534	8.580752689
9.956953421	3.402136215	2.926676885	1.290611943	20.53671962	5.486936555	7.687451239
7.678820191	5.569161094	1.378810931	0.442486074	6.663981482	6.671017342	7.300874993
7.09803367	2.547393685	2.786390542	0.844143427	14.29173656	6.568221665	7.793099859
6.956917523	2.496200588	2.787002598	0.656759528	12.62592983	4.727595475	6.208211991
9.215316753	2.885311422	3.193872482	1.580447522	26.3414633	3.794768005	4.961232692
9.08272453	2.798143579	3.2459823	1.390672906	26.47669574	4.81857588	6.634109981
9.220815314	0.560775348	16.4429755	1.508038848	32.89048206	3.785885959	5.809338039
6.868062036	3.568514978	1.924627493	0.543345885	9.360309563	6.40834666	7.669595388

5.745207744	2.009994932	2.858319518	0.521997759	13.06051811	4.563155406	8.551223756
9.529870387	4.197012289	2.270631995	1.345824132	19.15645831	8.407602668	11.11014596
8.463306088	5.780119937	1.464209425	0.458772917	5.952920203	8.399843248	9.298950307
5.360994666	2.759196728	1.942954851	0.453016992	10.76475751	4.258772609	5.143117804
12.25457519	7.095364593	1.727124101	0.96635462	9.01641844	8.480861221	11.3567376
8.905794106	6.787983689	1.311994034	0.437679296	5.591819586	7.850835822	8.517902786
10.84634278	4.585577534	2.365316627	1.098463383	16.21712712	7.894429617	10.84080727
9.056363069	5.124798197	1.767164817	0.883992478	13.23671441	5.607963268	6.964961438
7.780012304	-0.673945003	-11.54398693	1.159953758	24.51627581	4.536508131	9.514902692
12.12523956	4.688640742	2.586088427	1.603589603	19.12054169	9.331934156	13.57930121
12.45690174	2.124724217	5.862832286	2.009342233	31.17741975	8.303300812	13.03947908
8.575720139	5.760174353	1.488795237	0.653766963	9.35646537	6.081909784	8.335658716
7.819531638	5.462168661	1.431580041	0.464071006	7.246724973	6.317304993	7.064437089
9.216700288	3.100803958	2.97235827	1.053757239	17.48943712	4.416540942	5.690392989
8.236439297	2.664749824	3.090886516	1.060017467	21.5703227	4.322118035	5.086553419
6.766930344	3.668668494	1.844519437	0.510912202	9.6360747	5.469540599	6.716505916
6.646392026	4.44132996	1.496486883	0.376587857	6.801569734	5.482762523	6.314478007
6.626719213	1.43792711	4.608522343	0.922480484	18.72005436	5.56337464	8.678901734
6.179318763	2.831367967	2.182449909	0.699679055	15.3752232	3.710664635	5.418553573
5.93750006	2.738036156	2.168525075	0.509119898	12.72291857	3.926879217	4.423134543
11.66043873	9.313939361	1.251934147	0.544210518	5.150707507	10.68676852	11.9358902
13.27551621	10.80792733	1.228312867	0.414288118	3.536569615	11.06773642	11.74737748
5.53280676	1.040935093	5.315227432	0.588233077	17.47000164	3.403063806	4.485751985
8.595815528	4.740760439	1.813172304	0.716331018	10.15316249	7.679703464	8.608992064
8.287311421	6.056872127	1.368249362	0.431226119	6.208352788	6.957340884	7.641107595
7.36516581	3.646009523	2.020062143	0.828777975	16.78180541	5.62302024	7.696654041
6.74788433	4.48001575	1.506218886	0.549981449	9.81687754	4.764053232	5.357212782
5.241329413	4.013647745	1.305876785	0.232335912	5.144262567	4.51812388	4.837952702
8.752214537	5.190581567	1.686172238	0.915534624	12.85284012	6.195545019	7.961278235
7.610642924	5.031727364	1.512530861	0.581104496	9.111997504	6.163607015	7.053471196
10.65478073	1.972107166	5.402739218	1.538852098	27.9412133	5.594559337	10.10195304
7.875155783	3.461479298	2.275083889	1.001276959	16.81387186	3.812348039	5.612984783
8.900658519	5.522186608	1.611799664	0.628913916	8.862983381	7.511226701	9.288556748
11.18280123	5.241700976	2.133429831	1.249254473	14.63496954	7.907506932	10.24160684
6.993060088	4.909981939	1.42425373	0.35493617	5.782819633	6.304671822	7.132278105
8.410951375	6.661499142	1.2626214	0.347841802	4.486098732	7.685671924	8.322665658
9.133143766	3.681153812	2.481054645	0.91938549	12.367372	7.473393445	8.36285322
6.621027862	4.431490161	1.494086102	0.433474673	8.5175602	5.439063103	6.327682148
7.680440451	4.816539328	1.594597267	0.625640576	10.6480122	5.962849506	6.984184038
7.003637593	4.650809034	1.505896617	0.440110713	7.284940895	6.275276468	7.404507643
7.560367858	4.197124488	1.801320852	0.490003182	7.796002227	5.737436558	6.637524991
6.182853551	1.617188605	3.823211177	0.757149678	20.51886627	3.656796125	4.235446922
5.789886693	1.184637653	4.887474813	0.718885735	20.78758049	3.269970426	3.997774231
6.079400029	1.85235378	3.281986463	0.661096695	19.84825797	3.474632069	5.14798875
7.156897325	2.761609268	2.59156768	0.77813746	18.29578243	5.505899324	7.928879013
7.113338505	3.874333207	1.836016193	0.557591854	11.91170198	4.900581258	6.859527714
5.787763963	3.242343909	1.785055542	0.446345021	11.24941043	3.773549862	4.169296128

11.72394545	1.842865729	6.361801224	1.804001519	41.82727804	3.723428781	6.769581864
6.605780252	2.145170651	3.079372846	0.700341192	18.42783802	3.560862715	4.203546907
6.035451556	0.896913617	6.729133597	0.78351114	21.15358632	3.61899459	4.699841758
7.82480425	6.070400471	1.289009562	0.348426347	5.138648262	6.886981068	7.549219603
8.179058466	5.245707969	1.559190583	0.60199139	8.897393304	6.796655075	7.957074228
8.628313607	4.703603122	1.834405111	0.686101741	11.73274185	5.436283109	6.495436996
7.019280539	4.036179369	1.739090337	0.519936434	9.842014108	5.08738788	5.602232625
6.683698133	4.730015021	1.413039516	0.376858507	6.761166295	5.978726097	7.591624659
7.640724744	4.833342452	1.58083662	0.485711717	8.037168042	5.684146865	6.535854008
8.618101388	6.296309897	1.368754323	0.50983971	6.765946616	7.421334214	8.624821053
8.12300539	5.689791647	1.427645491	0.521042753	7.765460589	6.228672374	7.341371649
7.097844286	3.137141816	2.262519421	1.060021118	18.72821892	6.291301792	8.109704334
8.044164315	4.260495848	1.888081717	0.5243258	9.157454714	5.979295736	6.66158498
8.761815695	4.734048074	1.850808348	0.682220884	10.89470604	6.805706134	8.600175893
8.407503097	2.925129488	2.874232793	1.00369862	20.34900457	4.554804244	6.885557837
12.5601513	9.271729337	1.354671911	0.502224238	4.416016675	10.91814653	11.75219504
9.650645299	4.584605422	2.105011099	1.031339959	14.27445222	6.971818457	9.406597361
10.51416383	7.779858021	1.351459602	0.493671938	5.316313883	8.529341717	10.18119077
7.152965112	5.297157854	1.350340184	0.461276173	7.625091979	5.580414931	6.224404405
8.705972265	2.721357348	3.199128652	0.926278993	15.36641014	5.323318107	7.619626726
9.811689055	-0.755071168	-12.99438976	1.358300032	34.73273601	4.065418442	4.692803078
9.809270398	5.336110134	1.838281098	0.977246318	12.16772936	7.951844206	10.06909725
8.525427744	4.659301256	1.829765297	0.718054686	11.36169104	7.069760417	8.108182042
6.122155975	3.31580891	1.846353678	0.49937597	10.39182238	4.619208773	5.002892407
6.130638419	4.308552891	1.422899654	0.300245811	5.820399031	5.263020274	5.945264867
8.921073637	2.885704354	3.091471801	1.189746258	20.13387657	5.066187751	7.474049852
5.300560806	2.799081286	1.89367877	0.390739449	8.916914573	4.457565763	4.74647684
7.371683626	3.747854184	1.9669078	0.733891882	13.72567661	5.973825433	6.630283014
10.01831447	7.484625831	1.338519078	0.659432573	7.623115623	7.911691528	9.031097012
9.347135009	6.156386571	1.518282665	0.820559403	10.45759708	6.207897483	10.18024068
7.287485964	2.884401419	2.526515872	0.583425768	14.33798168	3.988683805	4.809766588
6.768065186	1.335053847	5.069507274	0.796749297	24.56204347	3.208820607	3.69043223
8.739088439	5.180369705	1.686962309	0.532090105	8.421163116	6.36748307	7.318477321
8.339598353	1.324628777	6.295800377	1.070352174	27.76178846	3.646762451	4.980320944
6.696771633	3.41743276	1.959591338	0.4946901	11.02098868	4.457853807	7.12064631
9.795785908	4.495337797	2.179098958	1.136853241	16.13629764	5.557023238	8.463108621
9.285838139	3.812825255	2.435421903	0.981086956	14.78729314	7.158600652	9.647035736
5.79670435	2.636245717	2.198848276	0.659557168	14.97195596	4.286208277	5.18960396
6.323025437	2.967865972	2.130495615	0.467188598	9.809051901	5.048538711	7.129789921
8.282045942	4.51246798	1.835369465	0.870147837	13.42042999	7.082109928	9.204722678
6.811219349	-0.157625444	-43.21142045	0.997291703	24.93436054	5.11630628	11.7615119
9.974201259	7.622097759	1.308590046	0.48126844	5.662105897	8.159398953	9.414666454
10.36353821	8.184809397	1.266191759	0.384660766	3.991195595	9.106882173	10.26628379
10.34165463	4.76171488	2.171834074	1.241213979	15.13369752	6.266054587	10.78806388
5.358312585	3.148034576	1.702113638	0.377141269	8.553748025	4.375847793	5.36067895
8.471247964	5.508554971	1.537834878	0.549065078	7.374039672	8.051496579	9.733827574
6.348334421	1.714909934	3.701847132	0.87329501	21.23146949	4.280621703	5.266640784

6.782300359	3.055141707	2.21996261	0.706660204	14.24540751	6.326056784	10.31982071
7.624759455	5.138054152	1.483978025	0.389786091	5.895353033	6.280596593	6.909753651
8.959991547	4.073431164	2.199617763	1.286786376	19.8209511	5.825593527	8.070304417
9.122175553	3.130394323	2.914065964	1.328892932	25.30783901	5.78179227	8.308324237
6.34053632	1.523990115	4.160483889	0.773083769	18.43999115	4.120639682	4.841547625
5.911100214	2.030515542	2.911132712	0.552625092	14.87037888	3.625377494	5.090048318
14.09580055	6.449595563	2.185532475	1.303794403	12.95420362	9.501362396	11.52586329
8.357092338	5.3840743	1.552187409	0.735073058	11.0553139	7.0787221	10.05273637
7.770600365	3.443232663	2.256774701	0.915034008	19.50220681	4.462196553	5.766616902
6.263836719	3.354803849	1.867124578	0.434971815	9.865502867	4.437946222	5.4074542
6.669102125	2.487737691	2.680789919	0.644051724	13.85490075	4.763661683	5.691917381
7.783144224	4.017709956	1.937209084	1.027809383	19.26876285	4.541478856	6.902777832
8.740850655	2.166763496	4.03405848	1.710082901	34.40865224	3.623539262	4.877369611
5.094828058	1.842838164	2.764663852	0.504827897	13.0849786	3.686434293	4.106182476
9.345356994	6.629928662	1.409571274	0.574187372	7.350069491	6.570592618	8.360101025
6.957849295	2.671627766	2.604348324	0.805329974	17.47160464	4.619767033	5.989854956
7.089417936	5.227575255	1.356157987	0.462217438	7.448890732	6.754072657	9.206438789
9.803511796	4.232408484	2.316296225	1.020543888	14.58440603	6.69978404	8.501518583
11.57528279	2.057801116	5.625073626	1.612812107	29.08701119	6.029788687	11.00408156
6.678665678	4.72967939	1.412075772	0.418766629	7.340858775	5.788214107	6.466251413
9.205117276	6.750289628	1.363662566	0.580848187	7.210126439	8.294008394	9.781914503
6.738512155	2.837338017	2.374941623	0.642702405	14.26103767	4.693885024	5.994771778
5.961789823	3.297370227	1.808043808	0.492306005	10.8662642	4.470918985	5.714630461
8.351366267	3.535891221	2.361884386	0.820079525	13.06635616	5.919694758	8.035873825
10.11855827	8.093535038	1.250202566	0.409314163	4.504313998	8.896486156	9.937539609
5.701517704	3.455224659	1.650114903	0.361280697	7.986705767	4.545286997	5.681744407
6.620124969	2.864915013	2.31075789	0.930771228	19.66991614	4.990512058	6.567669037
7.908084254	5.272468094	1.499882809	0.522805216	8.108676777	6.3174899	7.441439002
10.23148033	7.154484386	1.430079344	0.786074406	9.132266987	7.277479365	9.264182827
10.24443612	6.825631387	1.500877434	0.771786532	9.16063183	8.15318499	9.419623374
7.812649582	5.629367847	1.387837817	0.54366514	8.269269892	5.791213144	7.212175706
7.49916994	5.027681534	1.491576165	0.47934394	7.850777714	5.897814265	7.292405084
9.163184863	6.112935706	1.498982699	0.55069716	6.774052057	7.606069699	9.069338077
7.707590767	1.423162189	5.415820367	1.084784186	20.27728758	5.645089183	6.856660631
8.688181316	6.205518216	1.400073453	0.426096269	5.570140321	7.976937652	9.97664181
8.103992607	5.932864902	1.365949291	0.463900035	6.696371055	6.244761678	7.619573705
9.016744628	4.936922458	1.826389761	1.035139416	15.2662005	4.045034717	7.223852131
8.459641951	3.620192692	2.336793279	0.986908274	14.92950706	6.67721525	9.493814931
9.500999039	5.8060482	1.636396859	0.525288079	6.661581393	6.773890413	8.072807095
9.602275321	2.60726319	3.682894523	1.181126238	27.04013141	5.578434121	8.674995906
6.17654098	3.456453804	1.786958927	0.414405229	8.767798174	5.043206392	7.378674935
10.25701714	7.749202574	1.323622275	0.440547288	5.253735057	9.318743434	10.63058248
5.29595501	2.184380015	2.424465969	0.501919769	12.36970605	4.065384609	5.067275555
6.194854868	1.101907421	5.621937698	0.796112736	20.93355281	3.837421131	5.96648987
6.91454366	3.04535698	2.270519911	0.585542534	11.15926622	5.544737996	7.294485669
10.34500567	7.858769076	1.316364633	0.461374007	4.96490191	8.59857911	9.290528448
9.280270593	7.406817475	1.252936315	0.40070134	4.748308345	8.096791699	8.812007133

11.51774962	8.960912726	1.285332195	0.418308142	4.171019628	9.560941634	10.40345948
7.707553334	4.441977657	1.735162563	0.538587608	9.819948789	6.095780815	7.107279229
10.40710782	5.841097256	1.781704252	0.904719559	12.1732779	7.070107681	8.41533422
5.860598784	2.304805683	2.542773488	0.527368667	11.93615798	4.291395824	5.046375679
9.527546059	6.990814406	1.362866399	0.514983353	6.341144688	8.109780592	9.522663241
7.153110953	4.921989615	1.453296637	0.465598834	7.899002302	6.106782268	7.453099248
7.921171413	5.685780621	1.393154598	0.535457913	7.830816767	6.968638873	8.494655726
8.114388194	6.14202084	1.321126777	0.312668105	4.639345035	6.54972763	7.802068291
8.681596137	6.752765723	1.285635619	0.420294434	5.474570265	7.920471652	8.646037359
8.344936349	6.182215958	1.349829318	0.445367435	5.940159835	7.978300083	8.954951116
9.288789084	5.760325573	1.612545848	0.555377063	7.359116856	7.730216752	11.14348633
9.845568412	6.581798579	1.495878109	0.539443774	6.325381779	8.637970303	10.31599118
11.59446731	2.068482229	5.605301872	2.188235943	28.07051899	5.34422033	9.831602527
5.556048023	3.092353461	1.796705355	0.422977353	9.532421237	4.514540332	4.961959588
5.797026715	2.99642637	1.934646809	0.399303413	8.329851394	4.795640153	5.322180474
8.586803938	3.543445813	2.423292014	1.049795577	16.9293799	5.720359641	7.487026829
8.108000325	2.893016114	2.802611532	0.735220037	16.7461766	4.512423102	5.51874102
6.910295436	4.927545741	1.402380779	0.406366582	7.122061301	5.700864024	6.729980218
10.67295535	7.572801651	1.409380021	0.630372318	6.959343538	8.692752907	10.44559106
5.113637936	2.821918475	1.812113986	0.395025197	9.809608422	4.642823226	5.264679514
9.573748455	-0.684222519	-13.99215633	1.442726173	35.0700948	5.582788007	7.874501443
8.807819258	2.79418488	3.152196307	1.31979454	22.91329396	5.537043449	7.641125913
5.897489894	3.476093671	1.696585435	0.452011246	10.14229546	4.35462934	5.350503956
6.484236624	1.333604477	4.862188705	0.796589835	16.46593218	5.015374904	8.732090277
8.088268771	3.940104174	2.052805818	0.684816765	12.05393567	5.874105598	7.287224485
6.11715192	1.15576662	5.292722434	0.798960228	18.97450579	4.37846998	6.419790306
6.520225139	2.343270024	2.78253256	0.657692869	13.7725771	4.639931066	5.272287057
6.461730145	3.68112934	1.755366234	0.546311808	11.3706548	6.044833158	6.87687409
5.271059967	2.964229891	1.778222392	0.403986464	9.697550691	4.553362428	5.88678979
6.99567411	4.748168658	1.473341537	0.436369402	7.563142983	5.708823383	6.925660763
8.025709683	5.790018492	1.386128506	0.39902722	6.231039321	6.05627806	7.135264005
10.25013983	6.373603131	1.608217458	0.70631038	8.650940558	8.927124228	10.30585039
9.213493835	6.330381786	1.455440469	0.598483588	7.889323264	7.808536045	9.464225102
6.630551804	4.061152375	1.632677425	0.325623719	6.011444312	5.357054759	5.796222227
11.02194771	9.045472021	1.218504428	0.419496	4.09291221	9.851586765	10.9342504
5.483427422	1.232531455	4.448914792	0.701463638	17.35445005	4.319081767	9.570053662
13.36479764	5.708686044	2.341133763	1.693155781	18.63627309	11.95194268	14.16975669
11.02168494	8.749287933	1.259723652	0.518633633	5.200881558	10.00308843	11.09051583
9.966318457	3.381306124	2.947475943	1.41871282	20.55606698	7.031376818	9.29260492
8.167932002	6.703512799	1.218455495	0.29567846	3.966142333	7.119791548	8.059244372
7.284294134	4.549573211	1.601093948	0.678846851	11.86337178	5.85363857	7.326285892
9.070601484	4.667441739	1.943377548	0.789714322	11.35258218	6.500565119	8.269237318
7.900915782	0.383363251	20.60947615	1.470947269	34.40146409	5.20732764	7.641234844
6.90896966	5.193511955	1.330307838	0.371230155	6.164254168	5.804628058	7.008223582
5.812071524	1.616106528	3.596341839	0.659426727	17.12880409	3.827859571	4.641392053
5.791940931	1.531427245	3.782054257	0.722565903	21.45719649	3.254555355	6.416573874
5.56998519	1.730797855	3.218160442	0.763358424	20.62309407	3.960440781	5.982180173

10.09128262	7.762498056	1.300004528	0.540563335	6.023219002	8.548263169	10.31374673
5.722576501	2.757124791	2.075559481	0.383686434	9.707966214	3.874965968	4.326171498
5.666426436	2.600423693	2.179039689	0.530061209	12.99277107	4.144147289	5.280932806
5.268101652	1.321127143	3.98758112	0.640376861	16.83157115	3.953979082	5.658194964
5.884112588	3.7484699	1.569737185	0.355034332	7.60398877	4.66339693	5.205304199
6.733196943	2.421878846	2.780154323	0.739363918	17.79206661	4.370697113	6.790877822
4.921148678	2.785836707	1.766488562	0.444605547	11.38503237	4.079273734	4.959179017
5.579909188	3.794901858	1.470369827	0.446075256	9.009714255	5.422884248	8.19559703
5.578186029	3.212790927	1.736243085	0.521676532	12.29289564	4.142031061	5.308387564
8.631155134	6.696477958	1.288909661	0.389372587	5.180521761	7.432148504	8.164115382
8.754968414	6.89006009	1.270666482	0.40429925	5.030208266	7.938621467	9.407596159
6.784885273	5.364330174	1.264815001	0.381299289	6.441150263	6.592813959	8.394462452
5.753115636	3.825909076	1.503725134	0.315763893	6.578954698	4.794055351	5.677334077
6.427549398	2.340500601	2.746228476	0.679044129	17.06646437	3.767469594	4.604010045
11.19047961	2.459371664	4.550137655	2.151412856	31.01336773	3.342821266	6.152333319
9.129365646	3.68750626	2.475755973	1.091523178	18.75745037	4.840340055	7.473480434
10.26853801	2.62569861	3.9107832	1.99498273	33.36314781	3.38482184	5.276394313
10.25619733	2.251511072	4.555250676	1.969104475	39.35074599	4.002224171	7.579517812
7.847463495	6.083678543	1.2899208	0.322014959	4.53678281	7.258446885	7.68041205
7.294466165	5.79222019	1.259355813	0.314406332	4.763793639	6.826351759	7.435186643
7.741063161	5.743078429	1.347894384	0.367558103	5.326150116	7.025217175	7.809566305
7.807163842	5.453976632	1.43146265	0.511937814	7.589130867	7.063692601	10.08178549
8.730518564	6.858824481	1.272888465	0.436173484	5.618484099	7.372508554	8.26415922
5.31407788	2.161349766	2.458684829	0.564836554	14.62232639	3.86692662	4.378391726
8.39729325	4.952107882	1.695700791	0.756089726	11.03964095	7.058048785	8.649955279
8.050768807	3.652567567	2.204139598	1.104942947	17.30103552	8.092297854	11.5513919
7.486727683	3.941436506	1.899492145	0.846279735	14.2623964	7.220197802	10.53953885
6.663973184	2.725284028	2.445239878	0.704754662	12.80983201	5.620180973	6.427476111
10.39516991	7.686088798	1.352465497	0.637428685	6.928882122	9.643080325	12.07730322
8.019211152	3.038494371	2.639205532	1.100055807	19.63669223	6.556792042	8.303052466
7.241737964	4.059836161	1.783751284	0.696083195	11.32549579	7.02880675	8.05101356
7.419037238	4.707078882	1.576144659	0.494195058	7.74780972	6.752959156	8.087492178
7.262923561	6.046201099	1.201237511	0.280149133	4.120938247	6.618283734	7.467040523
9.890525006	5.485428871	1.803054098	0.673903125	8.483791012	8.00076495	9.211981417
8.698795696	5.054529576	1.720990166	0.587210072	8.577422351	6.225285795	7.167771513
9.559917103	6.739011775	1.418593322	0.579251213	7.244338006	7.736696343	8.671802509
8.571894287	5.879597775	1.45790488	0.421114237	5.826288668	7.240762062	8.115022886
8.151529643	4.679504098	1.74196442	0.599523126	9.346524453	5.947235853	7.863513189
7.825625847	4.744434144	1.649432916	0.507188664	7.668430298	6.327416745	7.45623941
8.149724444	6.452662571	1.2630018	0.372704687	5.17750435	6.949923723	7.933939635
7.160849497	4.851434058	1.476027379	0.451707958	7.187407248	6.117301928	7.076174362
8.649695297	6.758342365	1.27985456	0.443766689	5.896003878	8.383421817	11.84996814
8.205032359	6.324594943	1.297321399	0.367530841	5.095189578	7.478864669	7.932155697
6.869082987	3.380020999	2.032260447	0.817579028	16.41071331	4.855280352	6.340460492
5.712736637	2.650604613	2.15525794	0.449774551	10.47738227	4.313683301	5.498471007
10.25491962	4.272167908	2.400401821	1.10904119	16.61594148	6.558520073	8.279587135
9.341224241	5.096085867	1.833019396	0.922407929	13.63250762	5.918933631	8.250234545

6.623821629	1.238824795	5.346859101	0.795921719	21.86698057	3.746927429	4.215906473
7.895056643	6.511622023	1.212456223	0.285569075	3.871682784	7.109430287	7.790650998
8.610450053	6.520508595	1.320518166	0.410748577	5.528173249	7.590692537	8.121358229
10.27460965	6.137591519	1.674045856	0.674526726	8.02948758	7.436893844	8.640720354
5.73071732	1.960386847	2.923258402	0.631749667	17.21121599	3.657127874	4.269705393
10.33041655	5.748666947	1.797010793	0.912667594	11.78279173	6.84896151	8.325967171
5.392043302	1.920199139	2.808064639	0.510765049	13.85537397	3.673359906	4.262802287
7.891854839	5.160580504	1.52925719	0.534917304	7.960893921	6.426386216	7.513902912
4.866007714	0.604398349	8.050994384	0.681884646	21.68304739	3.201159836	3.967658548
10.21742084	2.236492391	4.568502394	1.476884996	24.6091863	4.372407316	5.914495905
10.7411353	3.106297456	3.457857931	1.614089092	22.17034952	4.759476257	7.05709383
10.96589238	3.257887558	3.365951765	1.652361283	24.96532496	3.966017643	7.069175646
10.4719892	2.308780207	4.535723741	1.71835459	25.0489156	4.638283591	6.415862702
7.178292306	3.187154875	2.252257134	0.670045012	13.67357548	4.72486725	5.403197795
9.644746755	6.134437363	1.572230049	0.820649012	10.16914258	8.470917096	9.572868485
11.72046711	4.463905379	2.625608322	1.294602935	17.04574987	9.142556212	12.64833426
6.390629035	4.434432872	1.441137845	0.463403079	8.926327903	4.991336075	7.508576583
9.068032273	3.80777248	2.381453283	1.044569732	18.75747523	6.627946123	10.92868334
7.590537607	5.437018252	1.396084629	0.476601841	7.726214057	6.025303905	6.837197474
10.90281624	6.980100249	1.561985624	0.756226404	7.63594301	9.015573889	10.19673637
9.223603506	4.332906131	2.128733747	0.954877722	12.87177768	8.057826816	10.50246846
6.572427929	2.457705612	2.67421285	0.730371196	16.27634683	4.516297779	6.151835622
10.26732032	5.957927551	1.723303989	0.641745982	7.457686373	8.55137785	9.534439433
8.213021974	6.023552534	1.363484742	0.437957121	6.028053526	7.824096628	9.155400613
9.101634475	7.216415752	1.261240315	0.353178177	4.257717322	8.328503934	9.281566996
10.06935704	8.482388	1.18708989	0.320765801	3.441058664	9.706805874	10.78707702
8.785223922	5.56951067	1.577378058	0.657360869	9.039298571	7.992421526	9.503855698
6.328572836	3.154644202	2.006113029	0.513055944	11.85214489	4.210482075	4.689201977
7.489981823	2.53749304	2.951725071	0.942638696	20.06543996	4.221215088	5.329379457
6.456752479	1.794707657	3.597662523	0.76321222	18.70413799	4.075119277	5.301678958
9.433541143	4.405474431	2.141322414	0.781105096	10.52354678	6.988103294	8.630542178
6.776121216	1.121429916	6.042393841	0.903116156	22.06280143	4.061534605	6.292688235
7.285911274	4.995887786	1.45838169	0.367074876	6.090472409	5.896613559	6.411324899
9.505512469	5.195856955	1.829440755	1.05845219	14.10741566	4.555922557	8.034647343
9.729798083	5.66541036	1.717403941	0.964636398	12.39844131	5.690477769	8.048882728
5.502100209	2.706962295	2.032573641	0.435863572	9.960417454	4.305088237	5.313373465
4.819057397	2.955973055	1.63027785	0.348263803	9.324962976	3.784021104	4.102458324
5.551284004	1.510348982	3.675497565	0.551171827	13.06171827	4.165855336	5.45366176
7.8908779	4.679344963	1.686321047	0.553270303	8.741738673	6.7671572	7.979960078
9.759499014	7.232383491	1.349416693	0.475644092	5.351275757	9.138065347	10.45771428
7.675266194	5.923672217	1.29569394	0.393672751	5.654560834	6.639136513	7.395132877
10.98581732	8.178779334	1.343209893	0.527478533	5.800649831	8.725885761	9.744858056
8.807636352	4.017677441	2.192220874	0.914212259	13.61525516	4.913552307	7.160683193
7.610614181	4.727107184	1.609993995	0.455804767	7.399930537	6.409641857	8.034276444
10.82517276	7.876323889	1.37439406	0.496118212	5.255065559	9.111198346	10.17894968
5.962075189	4.201385401	1.41907362	0.359120404	6.934738593	5.295206403	6.284536316
6.482189097	2.684783672	2.414417655	0.905288679	19.3601002	6.465780436	9.117288214

9.430412565	1.853137368	5.088890186	1.36110587	27.63972187	4.270711153	5.653451799
5.827132296	2.645266683	2.202852489	0.457668088	11.27040257	4.131719721	5.067000695
6.088171983	2.267194088	2.685333389	0.702431327	14.85076845	5.141761415	7.536312238
9.242996459	3.661728117	2.524217027	1.289301615	18.5656254	10.17279115	13.11371961
10.84844675	8.456753984	1.282814514	0.408105785	4.011490954	9.817303786	11.35009336
6.804926846	3.839446455	1.772371857	0.610607988	11.01977349	6.253532521	7.300221753
8.253006642	5.710851792	1.445144602	0.402941864	5.469939384	7.372296144	7.822685977
10.23392459	8.544146954	1.197770198	0.378517627	3.955662952	9.732113715	11.03553231
6.721263615	5.002794081	1.343501952	0.35366078	5.974214395	5.786921279	6.393356027
7.068409497	3.266941645	2.163616699	0.552537529	9.236768743	5.958266743	6.731626648
7.528736039	4.991352944	1.508355775	0.569890281	9.286876603	6.408163636	7.923540394
10.72948324	6.90215072	1.554513031	0.880023557	10.12644458	7.671328602	10.41350596
11.43550728	6.908917216	1.655180823	0.950407417	10.74109285	9.415015434	10.85685376
6.790615925	1.237218529	5.488614798	0.771737935	18.94316552	4.020742859	4.839190967
7.137070821	4.356842234	1.638129278	0.524010176	9.012022003	5.283297843	6.805873022
12.17584337	7.433766467	1.637910395	1.008052083	10.34140534	8.132771578	11.91533004
9.447828162	6.002449572	1.573995425	0.698122895	8.986415788	7.271657355	9.629911968
13.11040212	8.554648284	1.532547182	0.990489123	9.023781959	9.228059903	12.81411488
10.87035863	7.382948617	1.472360054	0.619083597	7.01316714	7.690679067	9.495182412
7.458932628	4.736835232	1.57466584	0.59251921	9.584959631	6.689151686	8.141446065
6.308796496	4.412765745	1.429669477	0.397140196	7.240255633	5.687252518	6.864825056
7.917597821	4.29551167	1.843225774	0.699557087	11.40293431	5.821286006	8.555347702
8.684115472	6.685562386	1.298935672	0.443578662	5.665652854	8.417828692	9.198724014
8.889824988	5.587040928	1.591150862	0.577253095	8.074412574	7.506723207	9.528590528
5.406119314	2.793155927	1.935487833	0.429504872	10.48364113	4.059529355	4.954613124
9.762132553	4.385183273	2.226162955	1.198560863	17.13476703	5.673639451	7.197296862
8.70326375	2.610913108	3.333417617	1.350549214	21.20189662	4.305538045	6.573728714
11.79660185	5.011579552	2.35386902	1.429797929	18.68184169	5.325302338	7.750267873
7.771843387	5.18837519	1.497933959	0.423565231	6.244756482	6.833679167	7.662801491
7.952988894	4.920794884	1.616200041	0.654975054	10.17509806	6.924006225	8.685710356
7.075266799	3.561770665	1.98644648	0.597246371	12.47840241	4.94224473	6.72618442
5.798994857	0.98615213	5.880426234	0.683619056	18.49390866	3.825871479	6.281683018
6.258523049	2.474969995	2.528726838	0.649112758	14.88871012	4.696341436	6.180897728
5.995713347	1.804917492	3.321876692	0.72846058	18.93463562	3.655302769	4.673720543
5.943122225	2.079789538	2.857559439	0.702906288	16.82435612	4.207276227	5.283227526
9.18027058	7.088559552	1.295082663	0.456261329	5.412599149	8.471008625	9.153376983
10.16389129	8.011421739	1.268675102	0.459701353	4.905019166	8.916015641	9.924831979
7.892813841	6.487583803	1.216602988	0.312105981	4.269534976	7.385345854	7.881820693
8.564300824	6.086713243	1.407048514	0.481568785	6.363949876	7.210039986	8.393980743
8.99603002	7.110023026	1.265260322	0.360797677	4.540636583	7.984803846	8.716107355
9.045509124	7.476748265	1.209818601	0.307131994	3.675645407	8.35557201	9.142972306
10.60388244	9.284732882	1.142077277	0.240946172	2.371229024	10.19701616	10.79163701
9.479356181	5.780463562	1.6398955	0.479298686	6.57701415	7.563536957	8.929158571
7.051825961	1.901274034	3.709000298	0.691181669	16.01732329	4.278348007	5.019565076
11.96135536	1.408121671	8.494546749	1.552352203	34.77815115	3.584767412	6.749895992
8.318968411	1.338791393	6.213789883	1.012561061	24.28579069	3.959242253	4.669667147
10.19340037	1.770897812	5.756063566	1.055286296	21.11848916	4.828640289	5.834948805

12.41458286	-0.015916156	-779.9988416	1.612210432	35.60825456	3.961258664	6.82221308
5.731803698	1.834645791	3.124201808	0.536048593	10.85445722	4.936157507	6.044386768
9.222378651	1.821785409	5.062274956	1.262908357	19.64224004	5.327804373	8.319782032
8.055537406	3.814809031	2.111648929	0.747873991	13.91657241	5.024015914	6.621569244
7.236896255	3.642676198	1.986697654	0.719157433	14.93848131	4.243565575	5.927480272
8.541941806	3.304653614	2.584822134	1.424948563	24.67652128	4.814330286	8.287535172
9.810226335	1.710797499	5.734300137	1.467500667	23.43247585	4.987160292	9.639376942
5.956478046	3.288211221	1.811464545	0.530239827	12.03141734	4.066163842	6.615733178
6.246341398	3.890023428	1.60573362	0.40920489	8.548606595	4.8282091	5.677506235
7.093835201	2.480155599	2.860237964	0.994997564	22.30672243	4.282418658	5.753694305
9.051245621	6.049333754	1.496238427	0.710251529	9.501611742	7.640979331	9.557922194
5.533365321	2.849214211	1.94206715	0.420023661	11.40217534	3.762947043	4.584493694
8.105880309	3.204568531	2.52947635	0.976350928	21.2439285	5.172676433	10.31985771
9.801368911	3.851104068	2.545080252	1.112377593	20.46702151	7.568303034	11.19248532
8.306091841	4.592031126	1.808805649	0.616833532	9.125950311	6.370818677	7.244549958
6.914715843	4.644353748	1.48884349	0.411927161	7.365852884	5.574955955	6.50951974
6.450585715	3.238987065	1.991544142	0.525182372	10.42848598	5.04257182	5.632760902
9.293757604	5.875454452	1.581793831	0.698018835	9.594791917	6.309725562	7.349331852
7.22199342	5.609316383	1.287499746	0.344174145	5.3238643	6.231255171	7.328254558
5.635709024	3.894195897	1.447207375	0.33257988	6.991442647	4.96477949	5.869021363
8.671076616	2.956595648	2.932790833	1.099807321	17.44481901	4.155940629	6.940632297
5.394104833	3.107463411	1.735854657	0.383890639	9.067676864	4.222467391	5.46570762
7.314300469	5.319887467	1.374897592	0.318036408	5.14939038	6.190572279	6.87860299
7.711557788	5.92219602	1.302144975	0.420184932	6.079396799	6.768608331	7.690257402
8.015803957	4.929172793	1.626196584	0.595456016	8.773914154	7.790912527	8.755317506
9.999822534	7.442865097	1.343544778	0.467715671	5.051130868	9.220506964	10.39070367
5.846935431	2.303241072	2.538568586	0.57205265	15.13298848	3.713677943	3.9133179
9.69924191	0.062373343	155.5029984	1.632974073	27.0369727	4.079972556	5.900757185
7.146901578	2.430990448	2.939913476	0.955354933	21.48625109	5.548083126	8.495507439
7.427313588	4.441274258	1.672338423	0.587246467	10.40814106	6.352220905	8.115414344
7.384941369	1.889027565	3.909387827	1.006824945	20.78922253	4.669253848	7.667350314
10.68822542	1.419244988	7.530923491	1.730415682	41.08379722	3.520150045	5.583621772
6.640029766	2.655681657	2.50031089	0.598055568	10.83246158	5.489389576	6.274293886
8.07905168	5.509724387	1.46632592	0.698563049	10.5380729	7.521656886	9.018807274
10.94016493	8.019425778	1.364208016	0.523882061	5.592042006	8.876528302	9.947125898
11.56921732	7.943851048	1.456373899	0.947784184	9.759981754	8.827971698	10.45493984
7.557894364	5.242457724	1.441670064	0.583842923	9.281520954	6.046167686	7.471890113
8.263174212	5.164201219	1.600087576	0.486633491	6.667333801	7.251688954	8.048622115
6.983682726	4.365817835	1.599627605	0.564739131	10.04796252	5.73803722	7.103813497
10.88834182	8.59710114	1.26651317	0.457863289	4.685531768	9.599340289	10.81600196
11.12843549	7.074426092	1.573051347	1.068108883	12.26440468	7.442292961	8.886888885
6.563245439	4.694269348	1.398139935	0.301247939	5.201379491	6.144831047	6.832874816
7.222057997	5.266943801	1.371204681	0.409453932	6.597234004	6.117616873	7.56338589
6.553011781	2.187223446	2.996041302	0.680003159	15.2890292	4.471985822	5.299109305
6.607659906	1.832061176	3.606680822	0.676328649	16.98237782	3.958749096	4.310632467
6.532042492	1.670091233	3.911189021	0.809947275	19.80870474	3.935124217	4.533392821
8.317553548	3.146841255	2.643143671	1.052952534	22.521213	4.524895865	6.014220807

5.36089009	1.144955845	4.68218064	0.80289074	22.42386545	3.248197324	3.635529216
5.931891291	2.837100784	2.090828541	0.52104775	11.64448453	4.595963985	5.807987368
5.398789302	3.236457244	1.668116986	0.335472705	7.640643734	4.443755774	5.54463468
6.201941207	2.768966439	2.239803675	0.391695827	8.439265668	4.714490216	5.535877196
9.837194986	4.318190833	2.278082504	1.162111859	17.64725528	5.033362225	7.151334756
10.00617065	0.877919978	11.3975885	1.488650026	29.66133603	4.878554484	5.439354036
5.307366431	0.996063518	5.328341352	0.699776264	19.6620186	3.541275196	5.499108193
10.07672566	7.70275962	1.308196823	0.524084135	5.833557766	8.909023113	11.16877956
12.01680611	2.41252804	4.981001636	2.03021827	38.6519697	4.178377235	7.438432531
5.607065729	3.339585841	1.678970386	0.504447701	10.29011377	5.364314916	6.282728149
10.23807995	4.257952894	2.404460595	1.047829175	14.39745383	5.582261289	7.796400791
8.712905495	5.02234211	1.73482915	0.968869984	13.72609889	7.476814593	9.16195777
9.807206653	5.748334889	1.706095216	0.699899229	9.597981664	6.754888889	8.459045873
8.951296485	4.913576013	1.821747839	0.865624928	11.81351394	5.887000974	7.565708669
11.31702817	4.976170976	2.274244238	1.614913426	20.05285776	9.664752268	12.65238345
9.265370191	5.767724991	1.606416777	0.865445893	11.1193532	9.249528627	11.47761413
11.16608969	6.679669765	1.671652954	1.093388788	12.36052777	9.559194204	11.77313115
9.833319428	3.636776753	2.703855665	1.492057228	23.91503779	9.486619947	11.63471152
8.037397942	5.500857574	1.461117259	0.45894937	6.762509611	6.910863294	8.372086282
9.266996178	7.02868834	1.318453135	0.441587155	5.635577549	7.651611256	9.146017156
8.635105529	5.838537583	1.478984319	0.613006074	8.858961626	6.688725762	9.595479219
8.277336279	5.814924941	1.423463994	0.448035302	6.633383375	6.551120242	8.095824543
9.769433095	6.324959432	1.544584309	0.631530411	8.110524386	7.63142324	8.386609136
7.948452904	6.384362256	1.244987766	0.367207273	5.151926374	7.150307661	8.677642349
8.48982542	3.85072576	2.204733847	0.557466476	8.617725174	6.388005308	6.973280375
6.766266207	4.077553844	1.659393466	0.506540748	9.752304738	5.283408438	6.446136477
9.136807251	3.605314231	2.534261001	1.193430543	17.36203593	7.104078575	10.51064023
11.64017648	4.238840687	2.74607548	1.325566739	14.14266728	7.325058497	11.32238445
10.06927203	4.676743241	2.153052136	0.979436893	12.96887356	6.608434051	7.959470798
8.680579574	5.45245299	1.592050329	0.734380166	10.45707738	5.997499612	6.993326788
9.942305947	4.671031353	2.128503364	1.152402614	16.53327953	5.96225467	7.706433706
11.86667705	5.853039927	2.027438254	1.474889145	17.83468964	7.215978924	9.29991638
10.44843233	4.721395555	2.212996605	1.15597919	14.81584484	6.390029837	8.499525632
7.435229375	5.670167104	1.311289286	0.35099908	5.452851524	6.436246281	7.325723971
9.161415921	2.585700593	3.543107794	1.489953881	31.18866154	3.681181551	4.614485038
9.618380189	6.537416331	1.471281574	0.586056509	7.214506167	7.504381853	8.28713841
10.13901084	8.55360287	1.185349729	0.372233489	3.973972816	9.057892565	10.11012481
8.524719804	5.395285481	1.580031276	0.783748593	11.7291086	6.738819855	8.577578766
9.612699984	7.684847174	1.25086417	0.451834001	5.331089023	9.090688524	10.54584864
8.58961984	3.039582942	2.82592053	1.307221607	23.30466467	6.070203642	10.31599305
7.618681456	4.056541495	1.878122402	0.814657848	13.83693724	6.276837218	7.49203672
8.392357087	6.263488196	1.339885512	0.50874545	6.911911511	7.411944752	8.242347976
6.344702669	1.92485695	3.296194384	0.668313437	17.45417351	3.74802032	4.414916148
11.63437025	2.810008	4.140333497	1.67274753	24.71098981	6.811350076	9.720821249
10.51642811	4.530637694	2.321180554	1.218168726	15.25552048	8.143420667	10.71285408
11.1128539	4.515993847	2.460777023	1.189340925	16.52928361	7.896092084	10.94255962
11.32854832	3.834181814	2.954619492	1.275152168	15.85400345	7.282625301	11.80003087

11.37989612	5.102496441	2.230260472	1.061314475	11.23766581	8.928709621	12.0366596
6.580404086	4.253946764	1.54689385	0.319706011	5.837784675	5.400985836	5.730411233
13.45540201	3.011503835	4.468000956	2.640389617	32.9028871	5.709509712	12.25811346
7.550726192	2.111708946	3.575647206	0.756247701	16.70041469	4.367286037	5.445774837
9.726164479	2.953084302	3.293561404	1.204310073	23.35468856	7.625712414	13.38026752
8.516212594	7.291662599	1.167938379	0.256024444	3.205380263	8.241583099	9.525395201
7.661879685	4.332190154	1.768592655	0.5568628	9.297387704	6.1200583	6.958570132
7.028878175	2.865427913	2.452994244	1.14900038	24.22956399	3.468323883	4.944334555
11.37856163	3.418804735	3.328227996	1.725654149	25.08962896	4.301508008	6.86971792
8.77511191	4.766345069	1.841056781	0.868981161	12.43230209	6.732936111	7.734217444
8.40681412	3.860616694	2.177583217	0.886118703	13.67675972	4.984708843	7.509113473
7.746080035	3.962839885	1.954679033	0.717694124	13.30070051	4.612971559	8.061313273
7.258600183	3.467682424	2.093213649	0.958961074	16.68144771	4.291832586	6.45082607
9.517950649	4.823517692	1.973238465	1.069640658	15.3398573	5.480661511	8.363820524
9.791790579	3.837338062	2.551714345	1.18215809	17.61279877	4.971762324	7.679635494
9.311319434	6.321061688	1.473062579	0.754387979	9.739220167	5.897984734	8.864237098
7.133012393	2.676336176	2.6652154	0.560701727	14.19220303	3.94781783	4.814738586
11.76794071	3.778105002	3.114773334	1.992578787	29.63193539	4.232736442	8.677902064
7.762671517	5.503092682	1.410601632	0.488899461	7.316033361	7.179735896	7.936599088
7.51181769	1.905611113	3.941946831	1.153947513	22.33739013	3.893679689	6.128632002
10.5549691	4.463937489	2.364497516	1.452985146	19.23938086	4.346169885	7.830570003
11.67942819	4.094135203	2.852721664	1.990046707	25.91919598	4.350507325	8.232240053
10.93791526	3.570934313	3.063040175	1.290312312	16.74822736	5.731760885	7.705075939
8.589344509	6.029023165	1.424666032	0.566078393	7.544031253	6.710308072	7.737158062
7.653595472	2.888464903	2.649710393	1.028136118	21.1418462	4.056165437	4.918523543
6.655189675	4.202829078	1.583502339	0.461097737	8.05087633	6.429651006	7.768786562
6.502079316	3.341733763	1.945720328	0.509053692	12.29037306	4.017109624	5.380007528
8.447321773	0.471286509	17.92396264	1.239140032	29.66665989	3.686830394	8.118194447
6.256024998	1.41573662	4.41891868	1.03500819	22.85399341	4.795722656	5.843542293
8.675108068	5.689171016	1.524845719	0.628986893	8.228480237	7.094981704	8.346222841
12.49609834	2.699708738	4.628683888	2.3927654	43.94536736	3.652649908	6.22012746
8.377683431	3.230945515	2.592951008	1.073211012	17.28207678	6.014190098	8.984593138
9.562089925	4.255942062	2.246762241	1.01865502	14.81811742	4.789990558	7.082401786
7.444415031	3.294153329	2.259887227	0.619234799	11.80379326	4.983980438	5.825642424
9.646496524	2.45688688	3.926308778	1.509877196	24.5020715	4.483711043	8.054792066
6.494556509	4.741873839	1.369618157	0.292134261	5.104185124	5.893538986	7.19380661
10.12401125	7.093031249	1.42731801	0.460403543	5.082208952	8.846460992	10.14486884
9.135174383	6.279678116	1.454720165	0.433821255	5.736369238	7.460830413	8.454688357
10.10781247	3.068861412	3.293668599	1.387182806	22.33669425	6.894651384	9.282035719
8.205014132	5.968794131	1.37465189	0.452496158	6.635039124	5.95766567	8.547616325
6.231076035	0.850184714	7.329084997	0.838690062	26.55653557	3.220386216	3.634481781
9.898691587	3.12127521	3.171361358	1.623875131	24.99783781	5.331598545	8.702913322
6.848714245	4.511738198	1.517976874	0.434941547	7.626325072	5.498028963	6.2396931
6.715057363	4.301678019	1.561032075	0.428177607	7.276677213	6.074995645	7.657785837
5.386944944	2.480809925	2.171446063	0.44812558	10.18092536	4.467764364	5.725843913
9.807267289	3.002768203	3.266075377	1.416970067	19.7317093	4.510844415	8.541521708
9.953119326	3.264394634	3.0489939	1.366876615	19.30924334	7.874950126	10.82399651

11.42365388	1.71394953	6.665105175	1.899009461	22.48970032	4.707355106	8.222183549
9.368186046	5.53409458	1.692812783	0.633536725	8.323613258	8.154832553	10.2710504
6.989223272	4.067069	1.718491442	0.450671016	8.183798611	5.603271532	6.271976801
7.904700794	4.678664014	1.689520934	0.541844911	8.657839889	6.336072371	7.740485727
5.914593985	4.170627323	1.418154519	0.36240994	7.019883569	5.323744454	6.383456889
7.707097142	4.101225376	1.879218145	0.666181553	11.76444135	4.958537648	6.30630402
8.10585789	5.70311793	1.421302871	0.451795657	6.852288858	6.66753853	7.774483294
9.321754524	5.112897392	1.823184353	0.698091438	10.20604338	6.229065292	7.413716453
5.492534935	3.848271578	1.427273212	0.270606941	5.646777586	4.557946289	5.619887866
5.492784445	1.289650384	4.259126747	0.552988368	14.09750115	3.738882261	4.163759865
5.838843594	0.523540819	11.15260432	0.811325761	21.17596198	3.936880975	5.568959018
9.643410911	8.027808942	1.201250675	0.391314488	4.425156042	8.716125829	9.634359404
8.511042179	5.678132672	1.498915695	0.605654466	8.329184164	6.390239152	7.542054561
9.860013523	5.043882387	1.954846042	1.138389561	15.63304708	6.783419182	8.167976834
6.479011638	4.633001966	1.39844785	0.324269514	5.713791293	6.001105991	7.19015586
9.657335934	4.804186257	2.010191824	0.983862465	13.10532231	5.622374753	7.501432385
8.77392831	6.566102741	1.336245967	0.459904873	5.961876263	7.453856836	8.510642293
8.560890228	6.395162794	1.338650868	0.464458755	6.303336129	7.125616331	7.977896405
8.179032985	2.836841288	2.883147894	0.773798723	16.46582755	4.626488615	6.005825347
7.378312531	4.291320325	1.719357208	0.522580365	9.203972091	5.014782854	6.514817404
8.958230489	2.852363957	3.140633742	1.58334858	27.5273633	6.245345134	8.715826622
9.359739252	5.431299226	1.723296556	0.902954328	12.9151408	5.815235158	6.792673332
8.023477857	4.760118846	1.685562507	0.714573611	11.21103537	7.326715219	9.307792409
10.24367611	4.762101889	2.151082935	1.116840544	14.79335078	6.820957773	8.942168244
7.474327148	1.853200915	4.033198498	0.911463626	20.72049999	4.19156076	9.374936872
11.38958466	3.672516047	3.101302899	1.774666392	25.24457502	7.415905526	9.928489778
9.822789529	2.953496765	3.325816925	1.39734635	18.92684581	5.750514024	8.205333121
5.376891913	1.325043442	4.05789859	0.574299032	13.51765127	4.464680497	5.981319872
10.28588569	3.001495551	3.426920185	1.587525115	21.21747496	6.974486668	9.056368927
8.181352926	3.147918395	2.598972368	1.055393453	18.0943884	4.232942767	5.48313972
11.39895673	5.185323714	2.198311495	1.133500172	13.19941598	6.660264927	9.034112319
8.27281062	3.787265073	2.184375918	0.925530442	16.49254709	5.836169962	8.001835851
7.010645268	3.755701395	1.866667376	0.746744933	13.18459674	6.923281012	8.366009587
9.58495849	6.776586785	1.414422746	0.634598927	7.841924702	7.776527885	9.524095951
9.064048425	4.743185796	1.910962129	0.898076657	14.63733618	4.676027452	7.005728501
7.677116304	4.727833211	1.623812846	0.676418136	10.76823757	4.966566774	7.000386878
10.98844726	7.922388645	1.387011891	0.75626746	7.931779389	9.457498277	10.46122222
7.438344433	4.235923109	1.75601498	0.743567743	13.4056217	4.906066188	6.743206182
7.973022778	6.031531027	1.32189037	0.390977786	5.599781663	6.387492804	7.53242538
9.570373809	5.11034129	1.872746509	0.979062972	13.12001874	5.344269968	7.822938928
7.440893929	3.756396062	1.980859794	0.733082652	13.11213071	6.047495355	7.330315614
8.438471917	3.543098707	2.381664361	0.854113179	17.08595969	4.71246395	6.918391579
10.19894634	7.212460479	1.414073099	0.648010398	7.381397272	7.846457509	8.749471256
9.051225752	4.342729479	2.084225093	0.702782724	9.230947921	7.011379638	8.446496414
6.993080575	2.995990389	2.334146531	0.7274122	12.57680727	5.881235941	9.132177736
7.325750058	2.586563653	2.832232661	0.874491445	17.46650131	4.450052823	6.956063611
6.312764512	1.881574188	3.355044172	0.675398237	15.36788509	4.460642594	4.761081495

5.710377385	2.033429538	2.808249452	0.591908131	13.57227016	4.366640696	5.900360401
8.01751362	3.070019429	2.611551427	0.761265562	16.69347766	4.554438029	5.368848052
5.520751987	3.479854809	1.586489176	0.37829092	7.986038888	4.797808353	7.691456069
9.256944945	6.020864603	1.537477681	0.633200595	7.782753022	7.674481563	9.179955013
7.184265049	4.779782318	1.503052769	0.374726219	5.924129257	6.370409694	7.311026012
12.2428761	2.625081736	4.663807579	1.494178863	31.8816733	4.174059155	6.736505359
7.573521469	5.261959563	1.439296783	0.540734984	8.586849543	7.312458246	8.338107627
7.251857697	5.124956126	1.415008737	0.485090751	7.917880532	6.27559916	8.082444155
7.578206975	3.240672222	2.338467594	0.82807374	13.23668197	6.389460946	7.549362917
7.755402858	5.262219344	1.473789356	0.570272353	8.993605316	7.498210978	8.766379711
9.615438382	2.825469006	3.403130016	1.724563354	34.49412357	4.30189242	9.459937777
8.333681535	3.74969784	2.222494156	1.021164532	16.24173012	6.118296631	7.234792124
8.187501736	6.055639191	1.352045833	0.414665245	5.713196681	6.864934948	7.912002201
7.333189976	4.244845205	1.7275518	0.68594511	11.33228856	5.006703162	6.639628039
9.799142823	6.749756298	1.451777278	0.670808343	7.909999558	8.490612713	10.76629306
11.14518894	6.751481354	1.650776823	0.712050612	8.298511337	8.610618917	10.31601615
9.923428899	4.95764863	2.001640221	1.303852206	17.40582308	8.255397472	9.550439499
7.35253093	3.52365234	2.086622124	0.960353051	16.10204051	6.851785198	8.069972735
10.65447511	7.9295499	1.343641852	0.451835894	4.672839938	9.244966424	10.00082293
5.904700976	2.159672548	2.734072339	0.603168223	14.52610648	4.340490575	8.090261461
6.777806006	1.853835667	3.65609861	0.856794024	19.59751687	4.165623431	5.155498369
5.970975896	1.308050809	4.564788962	0.655707596	16.86720282	3.875874968	8.096127453
7.15191465	1.965535035	3.638660478	0.992585384	21.39704979	4.979901262	8.134592881
7.092933008	2.217996288	3.197901207	0.72695238	16.48983842	4.446595559	7.081911465
5.018300601	1.49009487	3.36777255	0.695546599	18.12311492	3.967127171	4.428272867
6.042242763	4.08469736	1.479238786	0.402356401	8.33917203	4.928277369	6.934171882
7.31527645	2.535276182	2.885396274	0.817194138	16.95451507	4.489614102	4.967038779
6.48863624	0.535654018	12.11348374	1.179234049	32.0005188	3.183558088	4.564277978
6.29459242	1.862921089	3.378883011	0.76697279	15.55518166	4.9831692	6.432732645
7.681041478	3.93887783	1.950058319	0.839639676	17.19834998	4.408805779	6.486934647
6.171009103	3.240088425	1.90458046	0.53501729	11.90150466	4.44118726	5.467401694
7.000098993	1.451272936	4.823420059	0.805505275	20.98697119	4.333299412	8.996781769
4.952438679	2.329136161	2.126298481	0.439437877	11.91249022	3.522769668	4.057399958
5.06498404	2.994038827	1.691689498	0.391605236	9.149384511	4.280196089	4.449572591
8.647776119	3.937080319	2.196494716	1.076388245	16.54699922	6.210111841	8.734330182
5.165397335	1.53652168	3.361747121	0.839094415	22.47685075	4.350058386	7.297416786
9.042035105	3.730515657	2.423803017	1.389302908	22.51601776	8.753275356	10.797608
6.886275057	3.107268609	2.216182739	0.933459531	17.58123415	6.0178234	7.035968686
6.890311802	3.468422529	1.986583741	0.655984421	13.15158294	5.986435015	9.434769719
7.320342447	2.846340277	2.571843748	0.695271968	13.02697737	4.465874123	5.884105335
7.426446948	3.281127081	2.263382906	0.735837684	14.92840528	4.798324549	7.305013588
7.39175491	2.773479511	2.665155766	0.664988474	14.0919659	5.262625094	6.436257296
9.745718404	4.137965195	2.355195838	1.243067758	17.6708666	4.505194283	7.950903768
7.239245149	3.358216895	2.155681236	0.563289494	13.33715013	4.124934776	4.365033462
6.873619695	2.711955815	2.534561831	0.626672516	13.00729887	4.909863747	6.401686468
7.474568933	3.438240217	2.173951924	0.771841584	14.97631653	4.870928461	8.420456701
8.945999158	2.840926739	3.148972141	1.45347413	23.41031581	5.887557029	7.864834207

8.983211654	4.480839705	2.004805404	0.908898156	13.58728381	7.774475086	10.33868549
7.483615741	1.974071538	3.790954683	0.791642429	17.61064774	4.527403587	5.215241278
6.410273131	2.811159462	2.280295095	0.453089364	9.837470575	4.578576993	4.961461585
7.423526393	4.234733171	1.753009243	0.524605211	8.247224982	5.756991985	6.873237063
7.768142241	4.968964212	1.563332298	0.583126745	9.506250026	5.069621022	6.597424097
5.999466875	3.424854432	1.751743613	0.406361457	8.510108555	5.099278075	8.5218658
9.23499237	6.87894247	1.34250176	0.388630847	4.743263287	8.044835331	8.627892119
6.916724733	2.793785988	2.475753248	0.790279808	16.94022386	5.356369509	10.70803702
6.40568985	4.840424652	1.323373528	0.296530402	5.277145485	5.832341125	6.949988767
9.022141725	2.227823319	4.049756391	0.931410206	21.49978034	4.152430593	5.11148906
9.703985334	3.13725252	3.093147673	1.32667064	22.50474048	8.40068224	13.74536463
6.513367905	2.789680294	2.334808013	0.711771525	15.38072724	4.763331646	8.248402142
8.343514966	3.381612094	2.467318762	1.047119456	20.17278572	4.646041888	7.07545022
11.53730019	2.053710768	5.617782393	1.872995211	36.21127957	3.191928203	7.392343665
11.90258502	2.085432583	5.707489716	1.475823665	35.14128266	3.563588115	5.020688867
5.486868515	1.857016977	2.954667934	0.559174901	15.39602531	3.614865431	4.266362719
8.645689927	1.670625664	5.175120981	1.253656004	20.11838676	4.480115169	6.50529715
8.442335622	3.553390364	2.375853694	0.975556626	15.83898521	5.103938324	7.787931782
7.219088209	5.119877289	1.41001196	0.462034146	7.494216821	6.88960929	8.03753563
7.679124608	5.298611465	1.449271127	0.440953207	6.520962152	6.726911997	7.658759003
9.310952609	7.514274513	1.239102004	0.352997061	4.107968334	8.413599725	9.164770299
8.635090223	5.466616459	1.579604183	0.528995492	6.760766578	7.31983784	8.744325283
7.815910506	5.249111358	1.488996893	0.396658889	5.550978566	6.695814341	7.611897039
7.662467501	6.007368131	1.275511561	0.26419381	3.698108441	7.455474284	8.414009448
8.094873676	5.697273053	1.42083302	0.469123439	6.536159724	6.899027068	8.786122949
13.1704307	2.091682274	6.296573272	1.434243214	31.44730749	4.211131073	4.571934149
8.712054467	3.24214065	2.687130328	1.143751526	18.75384849	6.567530906	8.727994993
10.83322965	4.167323169	2.599565526	1.543565367	18.84664367	9.273346705	10.79417823
11.16088746	6.567732593	1.699351687	0.771445847	9.041662877	8.655426874	9.546970527
11.23362095	1.858963852	6.042947492	1.600166526	39.0620469	3.53615614	4.642505255
13.24545565	0.886976572	14.93326439	3.623082657	60.72496593	2.800152812	6.002333577
10.00341996	3.351506135	2.984753586	1.528281366	28.89942482	4.024082824	6.800450571
10.54066834	1.879807276	5.6073133	1.869222433	36.808542	3.580501077	6.041168268
11.43999071	5.880370273	1.945454142	1.265546988	14.36409348	9.714501453	10.79987624
9.99944381	2.653051456	3.769035006	1.866801325	30.79750297	5.524761801	8.258587375
7.93511555	1.837542247	4.318330946	0.883279946	19.84433943	4.262484201	4.93585235
5.330143609	2.762485281	1.929474031	0.496874508	11.57556158	4.317615966	5.705169473
6.64661389	3.245363671	2.048033615	0.59712944	12.96069245	4.367367703	4.7622385
6.61276606	1.608146791	4.112041324	0.758219933	16.78829626	4.442652205	5.172947886
9.906090827	7.41296996	1.33631876	0.407004994	4.910803592	8.409430364	9.159591034
8.011464565	2.588957781	3.094474782	1.351709314	24.98392609	4.109179717	7.327985527
8.344076573	3.487416883	2.392623782	1.223229074	21.72526355	5.254754238	7.233088116
6.291963363	3.440302859	1.8288981	0.532804784	12.18421549	4.513342161	6.232802929
8.786638484	4.364785564	2.013074493	0.886986155	13.26830273	5.056816717	6.473250046
8.35147559	4.504531487	1.854016475	0.91447227	16.53108159	4.657618704	6.123907549
7.121001432	3.722020575	1.913208508	0.777833214	14.74992285	5.172076915	6.749423097
6.514284456	3.505659962	1.858219145	0.802492117	16.76400952	3.960400112	4.954640548

9.207472053	4.889717527	1.883027394	0.975926926	13.38493607	7.992667297	9.155035393
10.87902288	5.147401452	2.11349804	0.842115565	9.561148908	7.806982408	10.02694436
8.963900903	6.642560232	1.349464753	0.534171519	6.881979309	8.130855313	9.068049753
10.51037586	7.133880349	1.473304198	0.688504101	7.976603938	8.597391545	9.94248086
10.24980868	7.034647188	1.457046588	0.708932804	8.19074319	8.690249799	9.847821112
10.17312869	7.25479449	1.402262835	0.631007592	7.261871613	8.48224199	10.02139762
7.071858082	4.286156405	1.64993001	0.641591692	10.96327398	5.044288676	6.175240056
9.93791537	8.387751487	1.184812805	0.348549429	3.793186443	8.61160202	9.596417367
9.640067306	1.674991576	5.755293008	1.118071081	24.71404286	4.206248256	5.079293147
9.078703372	6.82562091	1.330091942	0.493981387	6.275760377	7.043656376	8.827879044
8.132138416	3.42867655	2.371800984	0.978177056	16.86382886	4.832706572	6.824764583
14.7171442	2.786366573	5.281840639	2.429602069	39.90640746	5.483755448	12.20784328
11.20926298	6.827626275	1.641751105	0.949144646	10.91950555	6.357890342	10.17923069
7.797465559	4.865411106	1.602632417	0.631915986	10.2594368	5.050896797	7.167069048
5.824608521	2.613383318	2.228761652	0.602950485	14.48593372	4.023606189	4.231502929
12.5362846	8.931626147	1.403583669	0.521145409	4.688582731	10.11144164	11.85548944
6.007610177	3.599577985	1.668976253	0.557325144	12.68814256	3.985532632	4.521180737
8.001983254	4.120830383	1.941837569	0.732376463	12.61712036	4.43540144	6.845567507
6.436460803	1.035090433	6.218259387	0.937944065	24.5408583	3.66576615	4.458608386
11.49333963	2.757894045	4.167433355	1.382979051	28.19620951	4.555665749	6.862370898
7.611467445	3.859914835	1.971926265	0.680852629	12.53852928	4.933195495	6.124570326
12.44708899	8.742295281	1.423778149	0.655629227	5.761432719	9.099125831	11.11217229
7.924452497	2.612302573	3.033512495	1.070746926	21.94359577	4.569106637	5.926070945
10.40290371	7.372709316	1.411001474	0.726046935	8.863443814	7.303723008	8.790481385
12.13710503	7.673523656	1.581686011	0.823193749	8.844220522	9.033398561	10.22835107
5.718115727	2.947132333	1.940230394	0.471031262	10.77079218	4.212878698	4.549453644
8.901345849	4.715323355	1.887748767	0.898658955	12.61871942	5.677190926	8.236553349
6.736310196	1.159645864	5.80893737	0.878593973	24.72579737	3.466479893	6.548452225
8.576391436	2.114937964	4.055150356	1.046747161	24.11543807	4.075373659	5.223689853
9.966947786	3.134008091	3.18025592	1.273218671	19.61153307	5.070344129	6.79265062
7.690846404	4.731192307	1.625561995	0.552181601	8.854284308	6.00080175	7.753635384
6.282625701	4.659892383	1.348234076	0.406641471	7.366455022	6.149948292	6.958413562
6.973603571	3.982283444	1.751157011	0.487167388	8.273841746	5.981665771	6.914944496
9.724721011	4.274855986	2.274865175	1.404205078	21.11716834	8.49995434	10.10796899
6.286391392	2.148975541	2.925296856	0.61325858	11.77945893	5.218136098	6.489135742
10.94521875	7.180342582	1.524330995	0.74560309	8.036065762	7.703580557	9.326398576
7.336989666	1.704292177	4.305006951	0.850782727	19.97895338	4.578823603	8.829065147
7.258055947	3.814665564	1.90267163	0.543446843	10.63241413	5.211878151	5.84389268
9.325326701	5.490667612	1.69839578	0.77200843	11.4185846	5.591590419	7.776820484
6.674927667	4.663229261	1.43139599	0.343530321	5.726982957	5.861839739	7.032017823
8.037478445	5.726238694	1.40362267	0.469269228	6.749845535	6.907251893	7.69776891
8.815013521	6.475645064	1.361256436	0.528207347	6.999446438	7.275843954	8.911119684
5.995640921	1.10214906	5.439954664	0.994929866	23.72823137	4.454277351	5.992013103
7.45415727	4.462382032	1.670443547	0.510130555	9.085305115	5.631013904	6.318186434
6.327736618	2.792734467	2.265785269	0.602267145	12.0710838	4.865450011	5.730623509
6.59860847	3.90872722	1.688173182	0.631349597	11.9386094	5.601797231	6.584969717
6.82651866	4.585726348	1.488645013	0.352045645	6.064061254	5.828928418	6.488225555

8.379077211	4.270170497	1.962234814	0.83373457	12.60590357	6.575551441	8.203823207
9.592194611	4.683383185	2.048133632	1.14830869	16.7526545	4.907068645	7.693987543
10.01868143	3.811663688	2.628427439	1.434359425	18.77343448	5.500809819	9.208233268
7.6454582	4.74344043	1.611795977	0.667922476	11.61484246	4.907606541	5.546572249
11.55273808	3.807378433	3.034302547	1.772944497	27.37129201	7.993853271	14.2718017
6.40232569	-0.421118041	-15.20316176	0.910228257	20.85547883	4.277996447	4.886615276
7.557902914	5.826542998	1.297150457	0.37821708	5.548232883	6.318243356	7.24944627
6.938620311	3.990153611	1.738935637	0.678628652	12.78645238	5.370734995	7.689449946
6.69783139	4.960422757	1.350254145	0.369683877	6.107582674	5.206587235	6.950274449
9.983379127	2.66814814	3.741688468	1.670339394	32.64553416	8.915400939	12.30540592
7.848442914	3.823097492	2.052901588	0.752581348	12.88946955	6.465978273	7.520914609
11.47329683	3.003151349	3.820419118	1.765416432	26.65072719	8.051090271	12.73681915
10.25208518	4.290051035	2.389735015	0.871954014	15.17655473	6.62657372	7.495288653
7.987595615	5.447125814	1.466387208	0.519206202	7.431790526	7.754615957	9.473082615
7.336536201	2.724207862	2.693089725	0.811993554	18.70261916	4.437506594	6.960885911
8.86162867	4.34347441	2.040216618	0.893777655	13.78833398	5.152538923	7.164456983
6.544452897	4.684041203	1.397180899	0.375277255	6.642094785	5.523587422	6.017575733
6.691398563	2.840191474	2.355967414	0.59278596	13.47728997	4.334347207	5.354049856
9.640317591	4.707044112	2.048061875	0.860265936	13.50420626	5.285119432	7.871326419
10.81473711	6.074499918	1.780350195	1.086912456	13.81750356	5.326337831	8.069829802
10.93974401	4.641902904	2.356736933	1.216783706	13.85497858	8.369427116	10.84314099
7.164894871	5.166146172	1.386893563	0.358677156	5.806519131	6.017722392	6.813404769
13.88966038	0.894095585	15.5348719	2.663596496	49.46283703	5.454628456	9.100382229
7.022920712	2.891851486	2.428520533	0.616953957	13.63997455	4.538972534	5.422538701
7.639909141	4.408720829	1.732908351	0.715331931	12.39569464	6.81016238	9.594748808
11.29061006	5.534742868	2.03995205	1.443085333	16.03234616	6.528700931	10.46073054
10.16699244	4.471472221	2.273746082	1.110660673	14.0467683	6.123855987	8.400107377
7.671747231	2.150650368	3.567175466	0.881856041	18.34802422	4.426984989	5.571209289
8.299118608	1.330381269	6.238150522	0.996330035	17.49299152	4.541536071	5.67949833
9.454695938	6.25337986	1.51193373	0.683722766	8.547896181	7.390678385	9.372327404
7.939026542	-7.786463618	-1.019593352	2.006660938	41.76525422	4.354614612	5.020246419
11.93688671	6.019232627	1.983124337	1.389154567	15.28611278	6.264927822	11.1035606
7.269172423	4.104753432	1.77091573	0.779854956	13.58714957	4.920901674	7.740755208
10.08997226	4.93983454	2.042572919	1.038265404	13.55517967	6.405120608	8.358106947
12.16441975	1.92391345	6.322747912	2.827631004	40.41185803	11.33710829	12.72414818
7.648881726	6.058534137	1.262497091	0.288336058	4.090517772	6.964590497	7.585959255
7.404687345	5.311890713	1.393983375	0.349338914	5.450113035	6.895557314	7.852250347
10.57160173	6.472460647	1.633320356	0.666374521	7.650395088	7.62988548	8.978686947
9.770431552	4.368919191	2.236349798	0.8623848	14.30488412	5.585317102	6.28244593
7.860003755	2.508359969	3.13352304	1.047159725	17.00951831	4.575445574	6.216105315
8.139326369	5.073912262	1.604151974	0.600160492	8.670638316	6.729393758	8.203763303
7.545060409	5.811476255	1.298303577	0.342916639	5.079930293	7.072203827	7.893437392
7.283703868	5.368035322	1.356865861	0.473503784	7.484840095	6.544295637	7.311042026
6.701732821	5.399276221	1.241227999	0.291413119	4.658079782	6.604238016	7.466375332
8.115794794	4.825316686	1.681919617	0.530565408	7.723513631	7.029362613	7.754924955
6.318251551	3.947699664	1.600489421	0.502629016	9.654294951	5.534083558	6.188286032
8.469909073	5.213191548	1.624707052	0.69869434	9.982044794	7.312246793	9.196965099

7.052446438	4.800728798	1.469036626	0.536161812	8.955005475	5.942915025	6.45965787
5.543590914	3.287730447	1.686145201	0.421411139	9.315541748	4.73196759	8.720446076
9.432284133	1.211312773	7.786827933	1.391465724	35.57929734	3.316235257	3.723619927
9.268801751	1.806149952	5.131800791	1.17970183	29.75835776	3.67271487	4.51911498
9.1060391	3.23173799	2.817691015	1.012709222	24.5986299	3.672851366	4.281684564
10.04291918	0.398738033	25.1867601	1.541209865	37.16229326	3.604518348	5.240157011
6.108732665	2.475680893	2.467495985	0.745935949	19.71616258	3.569093629	4.109432844
10.71853973	3.119947498	3.435487213	1.956514032	31.06288432	8.752529233	12.17313836
10.19427356	5.552791191	1.83588275	0.873292042	12.40365619	5.75954409	8.033628177
7.940980155	5.17523652	1.534418789	0.599837957	9.307859472	7.251471191	8.659671049
7.361824272	5.188256084	1.418940035	0.356009987	5.894449617	6.330435635	7.079989248
8.703133437	6.238586796	1.395048866	0.541223951	7.005548119	7.468378514	9.887423685
8.235921075	5.348678763	1.53980477	0.496599954	6.84212855	7.238073388	8.70734865
10.40605244	2.379432494	4.373333751	1.824593392	28.93686688	9.890128188	13.72206276
6.241768006	2.675216363	2.333182501	0.616693218	13.91111572	4.627013061	6.542134364
10.16350318	4.133960756	2.458538863	1.068749881	13.52477398	6.905307579	8.815164605
8.935074578	3.210306082	2.78324694	1.295090646	21.85489013	7.480382511	10.86049871
8.958668854	6.123321427	1.463040763	0.466943226	6.303817798	6.916622402	8.492790472
7.658966219	3.803809575	2.013498854	0.604418189	13.0727463	4.846729906	5.993904697
8.342820795	5.828532438	1.431375888	0.548943978	7.747676982	6.932439477	8.252302434
7.217417371	3.173854509	2.274022754	0.647648708	13.80048287	4.69833638	6.118728622
9.118744883	6.740607635	1.352807547	0.486401765	6.152087308	8.195227201	9.057823485
7.558781503	2.314538648	3.265783231	0.690171625	15.11062096	4.403308734	5.359567176
7.383202212	2.998359705	2.462413765	1.04220183	22.13546662	3.191261311	6.311098163
7.51790064	6.036216799	1.245465644	0.287581864	4.255010099	6.861975591	8.166795286
7.845134801	5.089042474	1.54157385	0.544720514	8.513825775	6.276170146	7.596803866
11.59497884	2.472999728	4.688629241	1.67467634	33.95254005	4.946190811	8.622626636
7.196724827	5.310888237	1.355088736	0.413146704	6.611964826	6.182769012	6.828242058
6.170371604	1.382163592	4.464284573	0.755785177	21.95815612	3.28206318	3.52365795
7.504394664	6.094855078	1.231267121	0.318778936	4.692838976	6.476620662	6.94730183
6.222894279	3.86744888	1.609043706	0.435377587	8.140660148	5.699886658	6.820255554
8.359288505	3.352095314	2.493750243	0.978334517	16.08213655	5.377918743	6.50439891
8.207665367	2.090580737	3.926021713	1.075884213	26.87860169	3.737756011	6.320694539
8.478469209	6.673096557	1.270544962	0.414163618	5.473755191	7.309358859	8.220143653
9.933309259	4.137761176	2.400648282	0.957895436	12.76839478	6.353249398	7.642434404
9.001420634	5.659506615	1.590495647	0.695126868	8.852457079	7.144909322	8.097991053
7.354240577	3.89358523	1.88880945	0.647711814	10.5172577	5.222721875	6.912023512
8.057415208	4.931046578	1.634017258	0.576318755	8.580905744	5.51966467	6.562437447
8.269502124	4.978371328	1.661085841	0.661773064	10.13310978	5.587197122	6.715132031
9.451577294	6.053531629	1.561332768	0.719223872	9.540306669	6.730363482	8.264981518
9.351327029	7.118155019	1.31372905	0.462703121	5.753315835	8.062693096	9.685057508
5.415365168	2.993021418	1.809330577	0.335535058	8.040088198	4.210780074	4.653905182
6.164615134	3.560466057	1.731406797	0.405924096	8.720891459	4.566266339	5.281476136
7.853034496	3.890376266	2.018579685	0.83369322	15.48759837	4.793984283	6.2733678
9.325649358	4.737046628	1.968663197	0.774698254	10.51136335	7.832577109	9.51920679
10.73439254	7.639494568	1.405118159	0.476250002	4.942156176	9.668638152	10.90332996
9.906619696	7.209356814	1.374133637	0.486313881	5.87406415	8.486311446	9.998471886

10.24194168	4.388731523	2.33369064	1.215230535	16.53801563	6.947489972	9.360150497
6.190058403	4.237561024	1.460759708	0.393313682	7.380698261	5.726150567	6.830638558
7.282723265	3.558001838	2.046857646	0.808066562	13.87929102	6.183747619	8.365024441
8.959818312	5.560543298	1.611320663	0.679548284	9.045034501	6.751584275	8.133035187
9.427819161	7.848447303	1.20123367	0.363674789	4.207683071	8.543034681	10.12795236
7.003272119	5.183550255	1.351057051	0.404815586	6.618973259	6.732896675	7.617533546
8.397052241	6.071448252	1.383039415	0.42479791	6.137570738	6.652011683	7.980971633
8.110728802	5.327287915	1.522487414	0.687057905	10.09863701	7.279337185	8.526923074
7.471971552	5.343564257	1.398312286	0.37870169	5.987585467	6.320660532	7.209351307
6.143131955	3.565662648	1.722858431	0.527431941	10.334596	4.623559384	6.679022605
7.611809389	2.775558503	2.742442424	0.878578035	13.81279	6.102451319	8.658620934
7.814074118	4.919851506	1.588274384	0.482700156	7.741980064	5.919906122	7.221085042
8.532453568	6.455707787	1.321691416	0.472503666	6.403368792	7.23435566	8.333531318
9.380622961	6.047805908	1.551078706	0.791373333	10.26353846	7.419212638	9.815547734
9.6540324	7.471948938	1.29203672	0.426736205	4.95932046	8.129275773	8.628861557
7.960459646	3.572869199	2.228029968	0.619107397	8.945631339	6.909720385	7.986153444
8.514993456	2.680634134	3.176484753	1.281592289	25.9309858	4.776426376	6.934361929
11.08293579	2.799520521	3.95886928	1.754782753	25.46125184	7.538431609	9.595487746
8.78921936	3.535757624	2.48580935	1.028395055	15.36790309	6.581499502	8.771048986
9.037446556	5.875971949	1.538034326	0.506970925	6.342605141	7.868461571	9.567203621
9.98663859	3.007233362	3.320872506	1.290884877	15.9670166	5.861485527	8.258138488
7.241008559	4.965193271	1.458353817	0.450454213	7.101147267	6.144021103	6.854047686
12.65458971	1.853128992	6.82876894	2.028788018	36.14932612	5.265278945	9.617049149
8.098068434	3.521705613	2.299473415	1.043177701	18.89138967	4.483092723	6.253533209
7.832318313	4.309391198	1.817499956	0.579817517	10.22234568	5.216011503	6.251338681
9.204342853	6.956100991	1.323204316	0.447729339	5.571859243	7.794460588	8.532294177
7.480503828	0.584393805	12.80045025	1.609270766	42.72264835	7.018587318	11.35606993
7.627258622	4.855659166	1.570797777	0.482079739	7.406218646	6.136205678	7.29192323
5.927625529	3.39329787	1.746862715	0.408234116	8.389940693	4.829043296	6.279332338
5.282436474	1.096461815	4.817711296	0.618150791	18.00652991	3.326031748	3.749053506
6.408701239	3.474068027	1.844725316	0.563066425	11.68426792	4.373408373	5.884702696
8.411027962	4.620664547	1.820306988	0.778623851	11.55331062	7.234192685	8.110829226
10.65763002	4.428273264	2.406723657	1.337863396	17.77482216	7.772846092	10.76510627
9.396127698	4.008306249	2.344164122	0.836368096	10.43114043	8.34946772	9.094106385
8.550142946	7.14584247	1.196519932	0.304436232	3.862866072	8.11608889	8.636371139
7.367557276	3.31776551	2.220638334	0.656233831	13.13260466	4.739006266	6.268209065
10.96930412	7.42083041	1.478177443	0.646995402	6.873825449	8.599505475	10.21822088
9.683973905	4.983555868	1.943185581	1.046660422	14.86046392	4.564587413	8.012194758
7.852048691	4.812592469	1.631563184	0.705313993	11.34945938	6.443154909	8.356416566
11.81933025	1.677609891	7.045338917	2.230101789	28.04251937	5.270938583	8.079740501
8.997090935	3.996905566	2.251014138	0.734663269	11.6902575	6.418378733	8.277443
7.269992966	4.218127988	1.723511707	0.651398933	10.78344044	6.490875631	7.322054884
6.360856153	4.399261667	1.445891751	0.354412492	6.436858155	5.409605594	6.845651806
7.951758726	3.606707563	2.204714019	1.032451227	16.62548314	4.2292182	7.098610256
7.19999166	5.390459524	1.335691628	0.386103799	6.214010525	6.330965191	6.89593644
9.239540277	6.426583012	1.437706517	0.516018918	6.331482789	8.1157689	9.130636347
6.378964509	4.722495578	1.350761351	0.30675456	5.523787819	5.630243513	6.568586916

6.008758367	2.488605097	2.414508583	0.699819373	15.5170785	4.51923294	5.654024544
7.402587624	4.7654824	1.553376343	0.435070379	7.183125289	6.029808937	7.322731783
7.269262966	4.350905941	1.670746981	0.529093609	9.10940873	6.110419411	7.67332268
7.708170052	5.753325092	1.339776552	0.41180537	6.353462811	7.41626901	8.823538295
6.411629453	3.8222595	1.677444834	0.672978455	12.97638553	6.368435426	8.196101009
6.062700466	3.622098826	1.673808683	0.46966059	9.707396221	5.207857475	5.723838404
10.08918058	3.614847672	2.79103893	0.876642767	15.03414309	6.531587649	7.555664211
9.601498515	2.608902515	3.680282594	1.75276675	32.20120982	8.610610824	12.14465907
4.476759632	2.538205462	1.763749901	0.328098573	8.993351393	3.443755189	3.911307061
10.53355476	2.602807016	4.046997988	1.911005809	26.67487379	3.628897616	6.895053257
14.24586826	-1.066410046	-13.35871536	2.822692653	38.03243173	2.629903795	7.818137361
9.263133377	3.052812135	3.034295255	0.855472002	13.43100753	5.554562361	6.599595077
11.11641556	2.072885706	5.362773032	2.525935709	44.09923777	3.402715384	10.3216744
13.54273973	2.565580354	5.278626223	1.96299435	21.60671817	6.745069535	12.11824179
11.86957336	1.12621755	10.53932552	2.966478568	51.08878568	2.497588532	5.532189654
7.667536236	4.097926668	1.871076975	0.854424213	14.74596279	4.945102227	9.005817186
13.36220399	0.960900687	13.90591574	2.548752509	33.10806185	2.619366532	6.873561855
13.04431091	1.752787466	7.44203799	2.658604255	43.75557324	3.468396193	9.239951087
9.664466608	3.960198285	2.440399675	0.990115759	13.1055646	5.374509512	7.426642111
6.995818067	3.654925658	1.914079443	0.724774973	14.08369511	6.513262501	7.916162334
7.390905827	3.046334453	2.426163621	0.832286421	16.62079455	4.904382325	7.226358282
6.956005231	2.445414513	2.844509671	0.682157728	14.47718768	4.67116269	8.626391719
10.28906275	4.261755817	2.414277869	0.894394938	14.30930853	7.295443887	9.044088608
8.849771844	1.909863678	4.633719122	1.518025179	25.75792685	4.870132883	7.451319164
8.338077022	5.281319262	1.578786778	0.609574219	8.894721484	6.588152115	7.724759992
10.38133371	4.19357381	2.4755338	1.30282653	16.84268662	5.340999003	8.798391938
7.584619391	5.831297438	1.300674416	0.3458752	5.270948991	6.719783332	7.630189866
5.405634283	2.242282206	2.410773393	0.443507109	10.85385893	4.017619874	4.565626119
6.895216375	3.272170006	2.107230481	0.607666983	11.1787209	5.712474866	6.524922793
5.368656352	2.26851434	2.36659573	0.433778546	11.02833098	3.945587967	4.638860354
9.711512416	4.641672454	2.092244232	1.03580806	15.22498585	7.100609029	9.083840232
8.135630958	5.539535219	1.468648657	0.509841137	7.329668945	7.336251522	8.453455249
7.01706551	5.016886763	1.398689235	0.411587812	7.163387087	5.848548996	6.799460248
5.836640365	2.969778683	1.965345229	0.490658396	11.21463345	4.257919322	4.487753163
9.51265136	6.081152836	1.56428421	0.82345058	10.75593967	6.949471312	8.487397074
6.14954141	4.171659048	1.474123685	0.359326579	7.028465849	5.698025953	7.936887162
6.524114755	3.928159641	1.660857845	0.562923091	11.01614673	4.91219583	6.817222995
8.860907195	6.779667387	1.306982583	0.442436929	5.48680801	8.277568187	9.512979616
6.336338022	2.953148989	2.145620843	0.626298592	12.93868085	5.118809148	8.369010952
6.022247763	3.629607528	1.659200813	0.532147127	10.48666764	5.039079512	6.121123965
8.046648907	5.905525698	1.362562678	0.382547998	5.572680969	6.949318352	8.266937996
9.150073743	4.892047036	1.870397745	0.825960947	11.23287691	6.246497598	8.020463759
12.2425069	2.645301893	4.628018804	2.038475551	36.95759609	8.889258186	14.6050593
8.411371746	3.002332472	2.801612355	0.871251564	12.5321514	6.764814173	8.164730824
7.010165662	4.623051157	1.516350441	0.348105543	5.788971448	6.285794272	6.885286091
6.937242539	1.973252922	3.515637789	0.663111315	19.58589103	3.470348352	6.047253739
9.142075432	7.783882338	1.174487876	0.312089742	3.770947586	8.084543054	8.626235038

8.652263656	3.954677925	2.187855451	0.946929892	17.94684359	4.959046979	7.279487342
7.666155051	5.015126418	1.528606542	0.583038369	9.921666983	5.565235071	7.224162815
5.567991871	0.849304472	6.555943189	0.726814674	18.0921827	3.76010698	4.931221707
12.70950094	7.756346414	1.638593773	1.051690461	10.25493839	9.716097908	12.19824287
11.71940394	7.050854462	1.66212535	1.001029347	10.11134021	9.246938669	12.23937705
12.82330485	7.63614954	1.679289383	1.086430858	10.29035519	10.15902287	12.45981172
12.95276037	8.575665275	1.510408808	0.879365753	7.670214954	10.53648601	12.57761478
8.866761677	4.032052355	2.199069083	0.737442342	12.75358481	5.832070651	7.980954084
7.856362688	5.912549136	1.328760659	0.385243467	5.760364991	6.398790312	7.21069584
8.734902828	5.016490767	1.741237697	0.841379966	12.61517306	5.458417289	6.937595738
7.816902763	5.615403408	1.392046518	0.479545507	7.033105027	7.055836837	8.496299264
8.727487497	6.966039782	1.252862138	0.412129222	5.324349065	7.820840312	8.93595419
7.158247622	3.786580984	1.89042507	0.583201287	10.13599537	6.48353863	8.571645415
9.143814633	4.335790269	2.108915345	0.792929013	11.44246078	5.277839132	7.094844383
6.04666132	0.464683405	13.01243223	0.918333101	26.83865458	3.551250279	7.39472536
8.83147336	5.953813796	1.483330461	0.506972622	7.044126149	7.921395644	10.15346856
9.468940637	6.926794436	1.367001825	0.445808794	5.662924789	7.938566839	8.85430788
11.78946297	4.311273415	2.734566296	1.560779595	24.09325653	6.3881474	10.60419882
6.203508122	2.36611597	2.62181068	0.600655678	13.65473631	4.544258935	4.999930982
6.07066208	-0.369908833	-16.41123849	0.768575554	18.3343355	4.241017389	5.86118074
5.840956297	1.609036256	3.630096137	0.74716771	20.75281566	3.600424169	3.943316879
8.898101562	5.476319467	1.624832447	0.597489385	9.09730318	6.624471314	7.443325377
8.257219071	5.811409931	1.420863296	0.535680306	7.288575867	7.912369065	8.703744806
8.035618616	5.739398273	1.400080328	0.434642082	6.590245172	6.610911016	7.886199658
7.659528347	3.08687173	2.481323818	0.849544427	16.23686558	5.182092231	5.991135763
6.56471587	4.918047397	1.334821595	0.309061158	5.156554928	6.148932818	6.633778956
11.51022936	6.154415804	1.870239146	1.369157548	15.94309429	7.833494097	10.15990729
10.80487235	4.529517978	2.385435361	1.32563744	17.75142105	5.263996011	7.245018648
9.09213951	1.802507968	5.044160509	1.168257581	25.83183973	3.903066814	5.443846106
6.640476362	4.103002494	1.61844317	0.637204564	11.51958014	4.449113086	6.086817039
8.290583348	3.498630559	2.369665276	0.987112169	16.17867866	4.485400758	6.193148212
7.045154307	4.274624198	1.648134194	0.49590938	8.988431508	5.566169274	6.228545777
6.709180732	3.191422314	2.102254128	0.524691575	11.37248379	4.473908874	8.307208274
10.5222766	4.25732791	2.471568276	1.19010957	14.691813	5.919709852	9.313495724
6.193825326	3.694967976	1.676286605	0.563021047	11.38478625	5.142668899	6.607417169
4.771237608	3.509905595	1.359363515	0.238194657	5.550311414	4.353452221	5.788291357
9.388666693	7.372306656	1.273504635	0.371728152	4.428973179	7.265105252	8.521037366
9.421914292	5.662519578	1.663908471	0.84849256	11.60044393	7.364453845	9.539976958
5.502324895	1.568330564	3.508396139	0.692362321	19.40209046	3.669492287	4.034528358
7.085747752	3.057862657	2.31722237	0.678951651	16.83742739	3.921773186	4.141529019
10.70777603	7.13033608	1.501721084	0.698141536	7.6074038	7.882608167	9.200726014
9.924771919	4.737009463	2.095155603	1.021801363	13.81001685	7.993133124	10.27780923
7.930631434	2.828424083	2.803904648	1.04297883	20.62302564	5.354055864	6.668848396
8.828473228	2.164321349	4.079095386	1.207073445	27.88400458	4.060857379	5.220274305
7.257245002	0.743714157	9.758110598	0.960576064	22.58254288	4.19130331	5.3805526
5.818837597	3.010863928	1.932613939	0.525018103	10.93271049	4.828693246	5.429568542
6.871568743	5.137039429	1.337651548	0.353301244	6.195876927	6.462840607	12.5924798

10.1486506	7.864102511	1.290503345	0.464369064	5.03743645	9.369065654	10.3220065
8.145436224	2.741209844	2.971474891	0.81913432	13.08580057	5.717914195	7.170747057
10.67262464	6.598759991	1.61736821	0.60669262	7.60343515	7.637450913	8.636207579
7.015483966	4.47612958	1.567310294	0.719653029	12.46686741	6.051071488	7.16789993
8.547651466	4.733666133	1.8057149	0.689172707	10.5497646	5.837726555	7.297437472
7.307657934	4.803553609	1.521302463	0.478343944	7.866965556	5.192427579	6.345230912
9.049758306	4.791567958	1.888684119	0.956893555	13.96985435	7.432348227	9.050771877
7.147741385	3.97991335	1.795954021	0.553390994	10.64210971	4.723699646	5.142270187
7.397948249	5.530553266	1.337650664	0.375228627	5.780120166	5.66726853	7.492071462
8.198763082	3.150646593	2.602247773	0.841791224	13.01462515	6.241582831	8.032361736
6.187616626	2.75833542	2.243243001	0.717779314	15.95040204	4.734137743	5.032373777
8.558675465	2.112331413	4.051767356	0.768426146	16.32484668	4.674141223	5.726002414
5.661339568	3.040823091	1.861778669	0.458855031	10.056978	4.716020295	5.875404345
8.432608942	6.324620331	1.333298839	0.40033857	5.279888975	7.47387556	8.442619274
6.202778815	3.877239856	1.59979239	0.483561136	9.959799089	5.155336848	6.76370531
6.115835108	3.203309317	1.909224025	0.462096835	9.898984885	4.702585366	6.76105374
7.221203468	5.685030542	1.270213663	0.36973408	5.879493651	6.175297585	7.079020046
7.218276519	5.315875168	1.357871713	0.483436473	7.871418865	6.798031657	9.100543046
10.9304883	8.908078441	1.22703099	0.466654281	4.658940004	10.04019302	11.10910761
8.317325272	5.266631537	1.57924951	0.585456859	8.121248177	6.705698421	8.615928132
6.900032137	4.964850487	1.38977642	0.363085351	5.972591354	6.31663166	6.888965145
7.874094417	6.083214909	1.294396883	0.301875326	4.399424858	6.645201129	7.00425405
9.683753824	8.064905586	1.200727488	0.376864263	4.244497558	8.686179668	9.484384934
9.670548434	0.220889997	43.77992924	1.87347596	33.66286544	6.924092259	9.208147334
7.232221011	5.943012253	1.216928504	0.252498776	3.833982409	6.436273721	7.31755256
10.60964905	8.393518029	1.264028863	0.40513135	4.212019668	9.893192421	10.73205147
7.719937812	4.83087106	1.598042613	0.652791143	10.17514068	5.970058904	7.019042929
11.81075878	2.981929608	3.960777194	2.089782632	41.02665085	4.477171581	12.9011871
8.00808988	5.587701729	1.433163449	0.482417529	6.634770871	7.804248709	8.85818007
7.969059312	5.472144497	1.456295483	0.486418611	6.918082683	6.671401176	7.248081937
6.810685391	2.378573545	2.863348668	0.906540775	18.19218704	5.798741774	7.624828078
6.811791752	4.604912406	1.479244587	0.487513423	8.22309412	5.687340813	6.432923468
8.166418467	4.488491715	1.819412619	0.913888364	14.27200211	4.548707825	6.346100275
8.250693224	7.02819753	1.173941567	0.241076862	3.119601745	7.710191829	8.508235492
9.268379185	3.617586571	2.562033832	1.331715382	18.83252245	7.87783042	9.885919088
8.838862991	1.958476952	4.513130973	1.237947076	27.60162638	4.060151031	6.21573279
11.19221819	8.484256566	1.319174886	0.463917891	4.668655736	9.933168954	10.87681429
8.222321065	5.933267084	1.385799922	0.360020579	5.172882597	7.103559942	7.849419723
8.324164668	5.25563082	1.58385643	0.52747767	7.797124819	7.341830455	8.13518562
10.02856485	6.620659791	1.514737981	0.519041014	6.041076397	8.424119828	9.561774034
7.727421271	5.863961004	1.317781831	0.393402863	5.822110108	7.105129036	7.677478277
8.744966483	2.892152335	3.02368806	0.824750434	19.2905124	5.1687922	7.746774226
9.688339345	5.580647387	1.736060115	0.573471077	6.823170646	8.29349602	9.803332935
10.68686962	8.148111858	1.311576204	0.450519993	4.677292657	9.539653389	10.65339981
9.031017679	6.79095752	1.329859251	0.395435624	5.103162159	7.861174083	9.015170153
9.501240516	7.18923322	1.32159303	0.454623112	5.217052282	8.640150034	9.549881506
10.34752325	7.600986678	1.36133948	0.478759922	5.112878932	9.330797421	10.35599842

7.467052231	5.749333233	1.298768384	0.393708922	5.883356194	6.791126765	7.65657152
7.807223195	5.85864616	1.332598519	0.328636284	4.626423537	7.306155955	7.964601548
6.808180856	5.022498917	1.35553655	0.362772454	6.02285396	6.691137158	7.73807714
10.18861875	7.397119904	1.377376449	0.429231761	4.989895029	8.582560683	10.26324905
8.177507278	6.695630013	1.221320064	0.299599384	4.065368312	7.467734612	8.534707119
7.868156699	5.280844374	1.489942922	0.401293056	6.016028785	6.436233613	8.242217794
9.579233465	7.521871579	1.273517284	0.427996565	4.890741944	8.737244645	9.503268218
9.954233707	6.68757175	1.488467575	0.51318588	5.939665993	8.730335962	10.1876931
10.98721722	6.763221216	1.624553874	0.516925152	5.884892166	8.640214498	9.708487104
7.910031998	3.839043232	2.060417536	0.694925275	10.66348545	6.384113833	8.642754981
8.935247626	7.172051147	1.245842708	0.340729441	4.211465491	8.059468062	8.94836101
11.58873529	10.59324461	1.093974105	0.288587191	2.588914234	11.14488451	12.05521202
6.935421259	4.612851596	1.503499758	0.503004164	8.472202003	5.973468568	7.728935556
7.156629817	1.511125372	4.735960332	0.698164594	17.50667542	3.818117807	4.774003824
12.57378562	2.995123672	4.198085621	1.357310142	28.984931	4.071108695	5.958297528
5.271795204	2.734163957	1.928119633	0.444788195	11.31096174	3.822233279	4.123018707
10.81861766	2.621398914	4.127039805	1.96432695	45.00051628	4.446662429	9.839172702
6.5603245	4.857866135	1.350453948	0.383408314	6.881413576	5.559415099	6.13570662
7.223852108	2.292571034	3.150982893	1.018806101	18.96269172	4.03021473	6.56229426
7.353502206	4.228908075	1.738865465	0.631572577	11.85536477	4.842354144	5.65161335
10.11487137	2.137070735	4.733054086	1.897671729	28.69504972	7.86955896	14.0475969
7.143064309	4.003561414	1.784177529	0.709648327	12.28764209	6.152273469	6.713110402
9.957916479	3.943426166	2.525194098	0.896075201	11.58762438	8.553706909	10.54704297
5.6775141	1.71908098	3.302644939	0.629418181	13.73516194	4.49384685	4.791217417
6.738766422	3.707521386	1.817593406	0.476834737	9.889521507	5.114799299	6.749902866
7.298437004	3.441190871	2.120904442	0.649327148	12.02413822	5.282243431	6.409112266
7.996021556	4.119678815	1.940933242	0.628223799	11.85243372	5.167469971	5.955717654
7.480546118	5.021861771	1.489596182	0.424079069	6.746326556	6.337290399	7.027836694
7.536191484	4.059298727	1.856525471	0.592269747	10.84753371	5.503936006	6.639428587
8.821599428	2.109852118	4.18114585	0.892765585	20.22414651	4.414231043	5.990654208
9.591753135	7.587203908	1.264201312	0.392991552	4.516496416	9.006397018	10.21819045
8.354006047	6.38986994	1.307382799	0.417901973	5.821810904	7.390297359	7.950912683
7.954410578	5.173077998	1.537655257	0.680491547	9.933588601	7.678613124	10.19582933
10.10196355	5.355140211	1.886405052	0.903095975	11.42933689	6.654393509	8.605678949
7.94372877	4.845178648	1.639512049	0.63150151	10.22002936	6.638483406	7.524554119
8.804296412	5.65017936	1.558233085	0.565052688	7.355273656	7.415641933	8.803908137
6.332498056	3.017748611	2.098418017	0.5299938	10.32253121	4.780239106	6.205527604
9.390900424	6.572526003	1.428811452	0.538090665	6.788042232	7.582982881	8.765199375
6.967003863	3.531372773	1.972888254	0.526296859	8.895286483	5.788875246	6.853224844
8.72046978	5.013941743	1.739244337	0.764079781	10.83507971	5.652845105	7.811796861
6.948870688	4.034756706	1.722252714	0.611770708	10.80576735	5.965687116	8.067988165
6.595570676	4.890500749	1.348649354	0.37378288	6.485437884	5.901352161	6.8983386
7.069723031	5.033441775	1.404550474	0.417918124	6.929039675	6.568641781	7.34701745
7.313017453	5.003827372	1.461484761	0.461030584	8.162399417	5.796992286	6.713674092
6.965880402	4.805828255	1.449465114	0.508938171	8.394270825	6.204330395	7.819898628
7.609581418	4.562625726	1.667807503	0.423887751	6.612537684	6.505987865	7.094551819
6.794683054	3.295882212	2.061567318	0.581636362	12.16073224	4.879613979	6.662220788

9.731590957	0.955702871	10.18265327	1.512017584	31.01158045	4.669419166	6.911169859
5.992600921	3.815577332	1.570562041	0.366299966	7.823456298	4.667395154	6.065135191
5.956021783	2.461897894	2.419280587	0.625224499	16.7525319	3.495086011	4.952431792
9.267391076	6.638257219	1.396057846	0.453734593	5.922079577	7.89538804	9.47182807
8.576197964	4.929357828	1.739820533	0.833624759	11.92471554	6.599213481	8.187655597
10.26073251	5.433476444	1.888428636	0.972487009	12.30207498	8.620462937	10.09731703
6.930959979	4.654994253	1.488929868	0.514462461	8.863044647	6.817467758	7.68115658
10.7237409	3.37823953	3.174357769	1.364021926	20.44101423	4.615339993	7.59966909
7.212670576	5.2346618	1.37786754	0.462167978	7.566495961	6.14540596	7.318160175
7.502669256	1.852861635	4.049233419	1.030457061	26.1832108	3.85016328	8.870437799
6.415407421	3.82018969	1.679342635	0.497637768	10.17868153	4.375204971	5.514600164
6.921042993	2.58416425	2.67825197	0.747787811	15.5512254	4.787486522	5.542392779
9.248793647	5.541942514	1.668872173	1.06476105	14.62631233	8.776741605	12.86690191
12.13688727	5.156386282	2.353758351	1.092552735	14.39300757	7.911577096	9.310994647
9.704983759	5.837918559	1.662404787	0.760912357	9.78302705	8.170847443	9.882849456
7.534788478	6.126068716	1.22995494	0.336226925	4.854513139	7.123604514	7.638568525
8.426476484	5.567073862	1.513627571	0.672464639	9.466297972	6.957732689	8.450485107
10.86043987	8.004931171	1.356718707	0.508002223	5.478123515	8.974397698	10.0992456
6.416046289	2.84601569	2.254395965	0.556864563	12.3805895	4.435516191	5.13238868
7.21354232	6.206211847	1.162310037	0.20611119	3.064832151	6.907294433	7.267303443
6.159705176	5.010244706	1.229422022	0.251581446	4.486409557	5.97669843	6.651151221
7.690192354	1.400502865	5.491022221	0.842038665	19.43724374	4.513373246	6.690056006
9.799681472	6.578152954	1.48973147	0.599142788	7.790571049	7.190849137	8.82630621
8.65922816	5.351359776	1.618136048	0.713189259	10.26479093	6.575074546	7.857714914
10.47111886	3.876081022	2.701470583	1.515472202	24.42889135	6.219898744	9.627429019
6.830362293	2.898185376	2.356772051	0.913509237	21.10363089	4.915805825	7.465307008
5.558128562	4.398620854	1.263607105	0.260631007	5.266232815	5.043477777	5.836203757
10.11390512	5.803660139	1.742677014	0.856343297	10.21429792	6.879553944	11.47549984
7.447449989	3.365209155	2.21307195	0.781283064	14.15878815	4.620288914	5.635667698
7.363444728	5.156049982	1.428117406	0.435492438	7.015767274	6.21400851	6.654768707
6.501656156	2.662841664	2.441623264	0.73201032	13.40599426	5.031365567	6.262276332
5.930308914	2.879093415	2.059783431	0.487693708	10.37408218	4.939155346	5.832985446
10.66679501	9.333239837	1.142882343	0.343151782	3.428520586	9.908693396	11.13254206
6.409748775	1.312488308	4.88366162	0.783055811	17.48168379	4.480036955	4.880808146
7.841578111	3.971449335	1.974487762	0.665050036	12.04254518	5.797502119	7.496452108
8.297845472	3.102331171	2.674712987	0.743054649	13.23714982	5.278920204	6.294931697
7.335031836	3.595141046	2.040262605	0.921690741	18.17331945	5.884251395	13.47138327
13.1707956	3.414934583	3.856822226	1.266685216	26.92979034	4.377947902	6.093365376
9.332614858	2.575543744	3.623551291	1.525777817	29.14259534	4.356067508	8.64523097
8.68808652	0.609444207	14.25575371	1.564871168	34.13777946	5.578645691	9.595193352
7.719102459	5.521875991	1.397913041	0.433584528	6.62841734	7.213600311	8.175673583
9.3841309	4.892728208	1.917975105	0.728855085	9.431069189	6.73604731	8.111691138
9.104138128	2.811959042	3.237649621	1.314713253	23.22730136	5.931202392	7.405261104
8.920526516	6.47554111	1.37757237	0.553719589	7.082433601	7.083500684	8.325910941
6.07162235	4.773163719	1.272033123	0.266233686	5.047849322	5.512570083	6.315017059
8.12546084	4.162744336	1.951948086	0.811968141	13.61662151	5.954323742	7.521261948
5.338629789	2.308692013	2.312404495	0.493212805	11.44678718	4.880391062	6.028880945

9.896344117	7.805303566	1.267899965	0.417930985	4.627897014	8.518876687	9.314755707
9.774967156	2.741655988	3.565351452	1.300746239	17.42484044	6.449504663	8.581523147
7.441264529	5.392362966	1.379963585	0.489502061	7.89381744	6.393493794	7.947215253
9.162023286	2.707242598	3.38426386	1.433439502	27.16566609	7.83915918	10.33731342
6.047522365	2.169942304	2.786950765	0.570212597	12.36103211	4.805644855	7.473269114
8.130968702	3.349668985	2.427394689	1.145082681	21.11885885	4.913913765	7.490507164
8.402840942	4.187378192	2.006706955	0.913409875	13.35701189	6.345818794	9.983556748
8.347024962	2.263027318	3.688433143	1.275244716	26.64880106	4.151843337	4.975639497
8.805953458	6.730741879	1.308318402	0.427085928	5.488203786	7.793522419	9.169639687
8.738923899	6.04032257	1.44676444	0.595868541	7.85759723	7.507891305	8.363420247
7.20520188	5.040281048	1.429523832	0.410630025	6.983966579	6.129522731	7.285363447
7.804363514	5.126053601	1.522489642	0.461273526	7.453037458	6.393311081	8.158228285
10.12518191	6.067143671	1.668854811	0.599541659	8.485630938	6.932370374	8.079840356
10.58129408	2.673481873	3.957870143	1.549199644	24.95717548	6.644608285	9.98778496
8.014223597	4.970470372	1.612367241	0.54548945	8.746538442	6.582799865	8.159902982
7.118821293	2.270238424	3.135715271	0.912346461	19.16291081	5.213460895	9.906864216
10.00978051	2.855904361	3.504942478	1.190589033	17.76593655	5.287470547	6.935504488
8.740024719	1.902767311	4.593322929	1.095432152	16.9733374	5.184065059	6.417966269
10.2300892	7.807608719	1.310271758	0.446271811	4.751347294	9.236218697	10.29439125
12.57660013	10.01340753	1.255976059	0.433940092	3.93532898	10.62677775	11.23708491
9.082323636	6.697584583	1.356059565	0.443640021	5.78148958	7.968067377	9.218993934
7.897616772	1.246412444	6.336278824	1.07505122	22.62257495	5.320320199	10.42186122
8.136517379	5.674594268	1.433850068	0.437924484	6.478468009	6.92376506	8.574609303
11.82049258	6.003680426	1.96887438	1.031844843	11.91051558	9.190374548	11.49102956
5.837071939	3.354382895	1.740132871	0.424303389	9.143877813	4.573711439	4.976824492
7.187540859	4.156255978	1.729330652	0.576184722	10.17983311	5.175383193	6.160831766
9.486880057	1.586082152	5.98132956	1.724294866	37.52390888	4.542000328	8.877396203
7.296102799	5.346478194	1.36465586	0.415289703	6.887779586	6.325851967	7.95887323
6.734673625	5.055060246	1.332263771	0.345448758	5.955912755	6.241781935	7.893449063
9.307618323	2.87009943	3.242960235	1.625670446	27.72214684	3.810842035	7.292377628
7.102127524	5.027823563	1.412564987	0.371850579	5.957607403	6.425364816	7.198210113
7.855357991	2.790741582	2.814792327	0.99225096	22.48051852	4.618843915	11.60805297
12.16732013	2.805667241	4.336693943	2.12460711	34.6923779	7.027411661	11.47350311
10.37473453	5.943435578	1.745578697	0.76142755	9.184111845	8.465612376	10.92059814
5.063816784	1.847560635	2.740812229	0.486464799	13.06585366	3.908288848	5.793119452
5.638385602	3.025924065	1.863359913	0.470468646	10.97644593	4.258815493	5.298428717
7.467046557	2.616763254	2.853543034	0.845073059	16.91987127	4.47839552	4.780726498
7.731154223	4.909464579	1.574744883	0.429589472	6.802464655	6.853406864	7.95112092
6.758602641	3.892284113	1.736410407	0.52538528	9.476006596	5.346502799	6.529262456
9.666437987	4.690101633	2.061029535	0.989081305	14.07091118	7.708656279	9.58495081
8.438066697	4.184320656	2.016591794	0.802696203	15.22385001	4.986420194	6.574908621
7.527354951	5.667127867	1.328248652	0.317985443	4.808732195	6.796869096	7.303877321
9.295168634	3.289178976	2.825984448	0.93694237	17.64736941	4.663462363	6.560722786
5.788896179	2.080471081	2.78249298	0.660240318	17.37727196	3.617266772	3.932636783
7.097643616	4.255110635	1.668027984	0.495071898	9.489494583	4.966113548	5.660068398
6.982096335	3.38333245	2.063674332	0.667804127	13.54427931	5.088984929	6.114541021
9.330026943	7.432709826	1.255265867	0.435679491	5.113274366	8.811461705	10.12277402

9.851294014	5.49165764	1.793865288	0.792886018	10.48644582	7.762011481	9.733517332
6.463439142	2.822858369	2.289678864	0.664521004	14.28403036	4.821024502	7.742068484
7.599937361	4.17430082	1.820649179	0.764921378	12.00468618	6.906371907	9.053999632
7.273066685	4.02485558	1.807037927	0.761135338	13.83368001	4.754313853	7.793333268
6.724036308	3.339216307	2.013657005	0.603593732	13.09920303	4.403131382	5.610247751
8.560130571	2.492653705	3.434143521	1.371368686	27.16813044	5.648869197	8.238959611
8.299246589	4.912110404	1.689548057	0.858424334	13.46056295	5.114000112	7.778614462
8.255090783	4.687561366	1.761062979	0.602786705	9.107477977	6.162721963	7.90893642
8.665511771	6.169680359	1.404531721	0.4121651	5.26657624	7.708734098	9.098483707
10.84646448	7.508646154	1.444529981	0.68436068	7.28101945	11.20422315	12.33216628
8.829797204	6.26301024	1.409832791	0.48862343	6.754323685	7.409105622	8.833940924
11.32727956	2.900068113	3.905866732	1.948738238	38.82937467	3.722343306	5.658299972
8.953712085	6.351295472	1.409745795	0.503762775	6.574921102	7.739112006	8.827737421
8.788894578	5.559377681	1.580913383	0.679829467	9.266387542	6.806968829	8.880986626
7.034261288	2.679444802	2.625268221	0.714610582	12.70293837	6.690975309	8.443194269
11.31605058	8.971352552	1.261353906	0.487469159	4.612057972	10.72321907	13.03733803
11.75640742	3.989770969	2.946637165	1.607625645	19.62478857	5.431258609	9.73627421
8.909195942	1.238073039	7.196018053	1.437180752	31.59831169	3.659986015	6.237980123
7.941531252	5.234043752	1.517284079	0.486503374	7.385677657	6.856839552	7.904788429
8.992701741	-0.605209292	-14.8588296	1.647568632	32.49852844	4.815236513	7.252888565
8.649164287	3.968710286	2.179338794	0.878532308	14.67718749	6.231431317	8.353420623
10.25936172	6.967554157	1.472448077	0.75538871	8.406671636	9.526540074	11.17298905
7.198782623	3.738999184	1.9253234	0.664629623	13.15732673	4.670270046	7.687540888
5.253823237	2.063816489	2.545683332	0.581660838	14.49456277	4.17448666	4.618801962
7.119910804	4.630320105	1.537671401	0.582298077	9.494963256	6.395948479	7.604565377
6.133291977	3.347153048	1.832390658	0.402999914	9.062378569	4.568812093	5.820378211
5.684890297	2.253889958	2.522257254	0.542759211	12.08263403	4.502580204	6.64980225
6.958169796	2.365473226	2.941555085	0.601455397	15.00919779	4.000125859	4.66379172
7.387194735	5.493609153	1.344688806	0.398300541	6.037122071	6.450341108	7.256338952
6.742941508	3.374020143	1.998488812	0.754075702	16.0135905	5.16195548	9.100065542
9.025300644	4.021394442	2.244321161	1.263375697	18.91855807	8.989984869	10.87888068
7.329300187	5.736308952	1.277703179	0.326049709	5.050515965	6.643450785	7.47576142
9.537612505	5.813716381	1.640536256	0.799176082	10.40280152	9.281666212	11.73138769
8.535666829	4.357461487	1.958862254	0.771300118	10.83044533	8.081868233	9.966602436
10.35127577	7.09531541	1.458888741	0.489071055	5.275994423	9.252157811	10.10887457
8.510106506	6.754969143	1.259829072	0.350803421	4.688178149	7.985202179	8.777788601
6.316271633	4.595286713	1.374510891	0.364201446	6.695972781	5.638484825	6.170382294
7.955571026	5.472066904	1.453851198	0.451246344	7.217167276	6.707920221	7.260988197
6.571394038	4.009382831	1.639003885	0.481293254	8.774275439	5.579290673	7.656917253
5.50066944	0.448711279	12.25881697	1.069845302	31.45379533	5.301166146	8.623251028
7.231009773	2.303587807	3.139020684	0.865204999	17.90183247	4.715508117	6.328075926
8.937445853	1.762310102	5.07143768	1.300539737	26.98519296	4.149837551	5.336225589
10.17443018	0.099588483	102.1647268	1.628573732	41.8089167	3.654276345	5.351745488
8.145283634	4.705142005	1.731145123	0.560517804	7.940621521	7.605265695	9.030847823
7.87980851	5.512742592	1.429380817	0.428508261	6.316131551	7.25886863	7.932205882
9.7582434	7.232192645	1.349278687	0.483177192	5.463509057	8.35899225	9.600649835
9.958231105	5.628777238	1.769164187	0.736675991	8.607088521	7.524552923	9.05517146

7.915379275	5.321211472	1.48751451	0.491174147	7.606900181	6.191775063	7.136943648
11.53349661	5.183458224	2.225058274	1.291561036	14.36001389	6.518203049	9.332318063
8.846877015	7.091457503	1.247540017	0.391352876	5.035838294	7.538815436	8.795316551
13.84819259	3.244076905	4.268762114	2.529747158	40.42390813	9.532618713	14.10130258
9.040097042	1.096034965	8.24800059	1.420663423	30.54369657	3.5245752	4.802136828
8.221327334	4.16941945	1.971815845	0.982014562	16.80213939	5.638792717	8.507281308
11.96846094	2.839398606	4.215139402	2.106223924	42.2160214	7.181679011	13.9204511
7.720450973	5.880668484	1.312852611	0.406148234	6.011535239	6.882321951	8.286323268
9.02783188	5.061377512	1.783670919	0.70441664	10.9090977	6.141952995	7.180942075
7.556012853	2.010181901	3.758870204	1.14371877	22.53134506	5.703404221	6.868727861
6.934229244	1.637975915	4.233413436	0.726285846	12.19053445	5.651861432	6.542283159
6.84896179	3.09743645	2.211171045	0.620132494	12.32437659	4.802067333	5.605224039
7.082422684	5.186191683	1.36563072	0.428485613	7.081324019	5.978128852	6.748430438
8.468205937	3.112957274	2.720309079	1.122436666	20.8303491	7.733663545	10.73510994
9.377372951	4.387885612	2.137105153	0.826704369	14.217371	6.052012768	8.35655603
6.951343672	2.766557647	2.512632867	0.72354423	16.40678395	4.051389431	4.844420745
6.101303751	3.404485321	1.792136894	0.493246387	9.643541212	5.278355589	6.133725754
8.92362586	4.234483008	2.107370804	0.858461116	14.9334041	5.542841859	6.788898426
6.835184664	2.866158353	2.384789611	0.667348298	13.27622395	5.305489519	7.459836492
6.656606054	2.355358939	2.826153562	0.686422775	16.71484314	4.122614096	5.36488835
7.403477987	5.21378394	1.419981739	0.463693958	7.221824086	6.235466857	7.025703551
6.508505825	4.208236104	1.546611375	0.433868033	8.286078502	5.204549442	6.989472908
5.522611841	1.497644334	3.68753229	0.660583878	18.58129748	3.511769579	4.063373749
7.470819818	5.224559139	1.429942627	0.419397748	6.619096514	6.36797907	6.998843599
7.134949904	2.964339329	2.406927518	0.836007193	17.12185171	5.813800087	7.035807391
6.750094148	2.668273349	2.52976111	0.645333027	12.90267917	5.016342159	6.295813533
8.093639398	3.471111514	2.331714025	0.802358889	13.63003399	4.748276739	7.080424548
10.15819535	4.014391635	2.530444528	1.358636228	19.33029227	8.836255879	11.25443134
6.046788107	4.212962778	1.435281636	0.309206448	6.054743974	5.54047733	6.498624278
11.37726171	6.384978073	1.781879527	1.140709834	13.40543558	7.150559423	9.968918711
8.945994261	6.039061017	1.48135517	0.550401559	7.285854522	8.04698955	9.199406521
6.093347579	3.358522015	1.814294369	0.475447872	10.63565679	4.354534847	4.805684549
7.051945503	4.530564866	1.556526771	0.574882974	10.15737826	5.168710721	6.48412731
6.932862417	4.203145143	1.649446351	0.547312404	9.567568067	6.386369071	8.46669224
7.640958299	3.448939831	2.215451319	0.809021748	13.43514802	5.665374486	6.984081424
9.821904113	4.301159466	2.283548004	1.27171165	20.96797607	7.635288801	11.74240041
10.16498198	3.371292475	3.015158743	1.315268539	20.83630763	6.69700868	8.46686966
12.2347435	5.991117532	2.042147134	1.303325997	16.1039483	7.676184597	10.73599518
13.38010557	1.4902259	8.978575374	2.572312083	43.55549203	10.5131845	14.30913206
6.192997124	1.750258942	3.538331943	0.578789171	13.9755848	4.120737931	4.44220057
9.457610445	6.083424358	1.554652427	0.618115291	8.093535177	7.582840028	9.420039629
5.448180911	3.220876528	1.691521194	0.408108083	9.498462102	4.34848372	6.991243306
8.993839473	6.769533847	1.328575893	0.393008265	5.149701836	7.660399774	8.680130938
6.723568897	4.049234978	1.660454119	0.466188562	8.334331599	5.642335489	7.202376565
6.913880098	4.774129404	1.448197046	0.441585701	7.567300407	6.614997354	7.894272615
7.754028488	3.399788266	2.280738646	0.90693805	15.86919271	6.304881101	7.879631846
7.619163738	4.861137351	1.567362366	0.553993777	8.337867715	6.943717852	8.781379131

7.443660234	3.684166195	2.020446375	0.66103783	10.96079431	6.823596079	8.06941196
6.367962418	4.22763816	1.5062695	0.45482548	8.032972416	6.022258287	6.995320552
6.602752293	4.941931155	1.336067235	0.370454582	6.47438622	5.762825212	6.5720844
7.379799865	2.498386409	2.953826453	0.83508247	17.40211196	4.687612664	5.369787638
9.026973733	5.056434208	1.785244969	0.799489209	11.55608818	6.74331966	7.864012162
8.50123737	2.732628601	3.111010903	0.962008653	19.5359383	4.444469544	5.218186109
9.266908667	7.032372441	1.317749983	0.326683007	3.968908921	8.309234568	8.918588464
11.10216206	8.985676654	1.235539903	0.42840504	4.160029919	10.85355723	11.9728615
8.97175108	5.11549491	1.753838336	0.859837815	11.89324362	8.093295742	9.081289249
7.04488934	4.149824565	1.697635461	0.627560698	11.21535309	5.235152153	7.331639421
8.154177292	6.038562497	1.350350733	0.417851133	5.857007091	6.915142885	7.848643333
9.47415867	6.868206188	1.379422576	0.55241779	6.909965936	8.261088514	9.879555272
8.145620017	5.598030844	1.455086662	0.458742847	6.217201169	7.174965313	8.407744711
11.20830243	8.520590192	1.315437332	0.501678906	4.90795149	9.126363287	10.22265358
10.93229164	4.562218299	2.396266667	0.896456298	13.50357122	6.326526999	7.303586084
6.598094013	3.224850128	2.046015707	0.420267259	9.151315056	4.433485183	5.539538654
7.15936942	5.415646937	1.321978612	0.342490158	5.338486092	6.242700656	7.313402801
9.237146574	6.314232853	1.462908763	0.731850926	9.592773339	7.947487068	10.83320319
6.848412071	4.573642784	1.497364878	0.365941289	6.015982601	6.305983707	7.407933533
10.25152376	5.654474048	1.812993334	0.719684176	8.500545013	7.631749027	8.809068633
10.08293485	6.91630325	1.457850312	0.661977069	7.568575776	7.739271644	9.37851309
5.913827858	2.964023189	1.995202966	0.637574522	14.06745294	4.584363975	5.527349219
7.240635588	1.241333028	5.832951696	0.957941719	22.90221935	4.248266034	6.940624009
7.004682445	3.5110997	1.995010977	0.513939232	10.80400856	4.584165156	5.717899101
6.975051431	3.238072605	2.154075057	0.715397123	15.68962514	4.228704554	4.717292889
9.368510019	7.073908182	1.324375406	0.363692866	4.474587152	8.257438449	9.052503917
10.09029177	8.070185021	1.250317278	0.399698202	4.376796957	9.93727973	10.69931476
8.654048297	6.427036608	1.346506769	0.444922094	6.191402466	7.963420641	9.161949123
7.766755324	4.890627685	1.588089674	0.506840105	8.403565788	6.535486503	7.857897253
7.85803898	2.882983587	2.725662059	1.054388539	19.27050063	6.980938067	8.166726186
7.34756518	5.204688952	1.411720325	0.415612252	6.913131752	6.268768603	7.348261398
7.687703677	5.309663157	1.447870317	0.534811765	8.131294825	7.133630174	7.838537431
6.288923684	4.492302132	1.399933375	0.394959285	7.362546549	5.637026629	6.176327567
10.26327391	4.498297276	2.281590851	0.950170591	11.87561963	9.159494099	10.60389346
13.81113418	2.286868483	6.03932158	2.540976195	46.24901831	3.371914792	5.42678211
5.764241111	2.617170984	2.202470204	0.581106257	12.91923239	4.51616226	5.02455916
8.773448839	4.683137214	1.873412723	0.802470724	11.54896332	6.683311157	7.899279472
7.135401832	4.950811923	1.441258917	0.528499587	8.955827612	5.322501742	6.412841021
10.66813962	3.603521913	2.960475856	1.479212638	22.67389087	7.31050868	9.132511821
5.156548709	0.88173291	5.848198076	0.606655139	16.96404013	3.570122176	5.084610345
7.224140253	5.42146701	1.332506541	0.431650986	6.65488177	6.663889426	8.352674351
8.626852614	5.80683044	1.485638801	0.492874018	6.608073418	7.28477203	8.289709589
7.65280935	3.744097027	2.043966621	0.811960911	16.21995642	5.223158824	7.794820936
8.106860674	4.706321678	1.722547082	0.778350777	11.98993181	7.989234578	9.958611843
4.743541569	2.522817963	1.88025519	0.380659781	9.844861873	3.819318199	4.032722788
6.734495046	4.880451259	1.379891876	0.384280019	6.745819629	5.898584875	6.787743168
6.902717671	3.655759102	1.888176293	0.505390796	8.411993277	5.924422835	6.83751068

9.129562331	5.24727755	1.739866482	0.752599719	11.79652281	7.457598809	8.986337906
9.072761189	5.392668017	1.682425315	0.769715236	10.87680486	6.007184907	7.5682235
8.615964021	4.59135077	1.876564099	0.658214064	10.58490472	5.087121861	6.766099279
7.311746899	3.307205972	2.210853197	0.700324899	13.1684186	4.415846628	6.310233417
8.897352679	4.915962972	1.809890093	0.765461889	11.3452346	7.182933765	8.915588418
8.425965881	5.875590796	1.434062748	0.484001986	7.222929968	6.636384818	7.151595136
8.214639251	6.087517647	1.349423481	0.429973975	5.954432722	7.702999672	9.234148593
8.790306814	6.020900914	1.459965367	0.467951373	6.23258535	7.213482197	8.329797654
7.950076032	4.993330498	1.592138961	0.500930542	7.378240228	6.896286271	7.981604269
7.7626645	5.505695763	1.409933428	0.468862352	6.848577899	6.327804399	7.545839375
9.741905733	6.942383437	1.403250889	0.513306067	6.634828093	7.936638057	8.733156494
7.113977281	2.458438949	2.893696947	1.155961747	29.53527526	3.076242528	3.881376292
8.430378976	5.965723407	1.413136078	0.56705397	7.80457345	6.987686609	8.036465601
6.236692873	1.682683316	3.706397284	0.596409817	11.28369487	5.671727774	6.848384479
8.609211305	3.273911591	2.629640742	1.274598731	25.65848007	4.105619641	5.730820803
5.548805231	-0.081879429	-67.768001	1.063768877	27.70118705	3.590102268	5.471385588
5.905548786	2.503894797	2.358545093	0.565455099	14.2400489	3.980485299	5.580041091
10.4267032	1.559937089	6.684053651	1.72018174	28.98427074	6.2665195	10.90402925
10.02017686	3.141041467	3.190081049	1.381611063	24.05631534	3.979048174	7.14553844
6.761043811	2.532000451	2.670237996	0.72742094	16.40767259	4.652594987	8.749478003
8.87268834	4.285857889	2.070224578	0.890230298	13.9154357	5.217096492	6.773143719
6.774470058	4.115076561	1.646256141	0.441907206	7.683390626	5.599348772	6.898237954
12.67736661	2.623430699	4.832361919	1.78461847	20.69757604	6.324181006	9.973134369
12.10592412	4.354760751	2.779928638	1.57457685	17.22698792	5.521325037	10.98521393
10.52699755	6.143708446	1.713459817	1.024635705	12.13991888	4.993860582	8.714664882
8.627685828	4.070161629	2.119740348	0.660891111	11.69150013	5.187523485	5.947232429
7.538371546	0.78221703	9.637186685	1.613773418	32.74210799	7.475034288	12.07428448
8.256117321	5.674021702	1.455073272	0.573514788	8.633099497	7.145573459	8.683631594
6.523022741	2.558899655	2.54915144	0.741061297	16.21925477	5.009294665	7.930271433
9.060561929	4.85260618	1.867153771	0.572825226	8.43421836	6.558469742	7.344726359
8.701788231	3.896130693	2.233443618	0.75068319	12.88212862	5.460381439	6.742365004
6.357079282	2.81080564	2.261657367	0.60914028	12.32982294	4.284925806	5.117304307
7.555626971	5.880116487	1.284945118	0.335876063	5.10969754	6.321089048	7.031778251
9.152919981	5.114972585	1.789436762	0.940593989	13.6799418	5.819588	7.709858566
4.954660125	2.242110163	2.209820109	0.446296349	11.18054318	3.956099696	4.486183438
9.920482046	5.283562046	1.877612482	1.096046408	14.69274138	5.198810667	7.426383097
6.869665484	2.723904829	2.521991741	0.755072646	14.917403	4.687898673	7.142296329
12.41707025	1.008732588	12.3095758	1.777230833	37.54326758	4.678855104	5.813847629
7.258026742	3.820561478	1.899727771	1.009723646	18.48736198	4.16632183	5.387529043
6.935847397	1.513057933	4.58399328	0.837676948	16.43964253	5.363789059	6.61852632
9.265494495	1.621857701	5.71288991	1.758604264	33.70287034	3.986779495	6.95974677
9.134576416	0.364267839	25.07653832	1.470677752	30.87229312	4.914263489	8.120817938
10.16937744	6.557227526	1.550865423	0.782776518	9.149372871	7.629474207	9.619842718
11.19917685	7.732737935	1.448280925	0.773560285	8.15616007	9.365138964	10.26067177
7.41188363	-0.484551828	-15.29636915	1.128356205	28.71232005	5.412925448	11.53625733
10.96245069	6.676547725	1.641933997	0.682326611	7.479954796	7.130330735	9.521234755
10.45166494	2.631145427	3.972287063	1.427974063	23.42780069	6.880912535	8.770619858

11.98683946	9.162321689	1.308275333	0.553761377	5.318386842	10.33909899	11.40567421
8.162240249	5.804309193	1.406238017	0.587029092	8.256265154	6.335886404	7.955444731
10.42817482	4.511426193	2.311502919	1.249993681	14.9592376	5.727224025	8.19493854
8.905846991	2.771289406	3.213611315	1.026845663	16.99730314	6.310550965	7.907243418
7.715721561	4.320094776	1.786007475	0.67100751	11.36894338	6.592577822	7.71423649
10.74141171	4.582971454	2.34376579	1.441037252	19.34243513	4.959085862	8.448787597
9.310739329	-0.181592668	-51.27266111	1.380364903	29.0446189	4.47765459	5.640396351
6.869581136	2.079652497	3.303235106	0.871764094	15.37093206	5.473667734	6.527409698
8.123156052	5.806784435	1.398907802	0.504346125	7.021985679	6.435477636	7.827965747
8.089142604	5.277939567	1.532632669	0.564654393	8.246132423	6.111568517	8.556080692
8.598530911	5.812119062	1.479414103	0.46934582	6.810463477	6.216457985	7.963856527
6.190304885	3.814008291	1.623044423	0.423789395	8.13180719	5.237845504	5.775693035
7.550948507	5.313602475	1.421060108	0.436578479	6.793910117	6.063542399	7.077605593
9.899088835	4.398622691	2.250497379	1.311173252	17.04754734	5.670254831	8.50999925
5.733261725	2.849520993	2.012008945	0.495554536	11.70309087	4.152057547	4.812113736
5.829441925	1.708471817	3.412079654	0.647990977	18.15263622	3.433825574	3.808101273
7.158197179	3.431870653	2.085800399	0.611500444	11.57493273	5.39324879	6.951406264
8.93880603	7.014890547	1.274261654	0.391327183	4.976048512	7.878164911	8.567718994
8.985732053	6.284806102	1.429754857	0.660008014	8.681602769	8.872831653	10.57275035
11.36225438	6.061048938	1.874634985	1.102683068	13.65472119	8.420485472	10.07976825
7.382532211	4.366425347	1.690749669	0.541140338	9.754589216	5.494288917	5.924756434
9.358761492	5.206450174	1.797532134	0.71017595	11.03648425	5.847158312	7.031728329
9.685852722	6.49381027	1.491551542	0.584693678	7.570665234	7.39963989	8.744275792
7.140457821	4.939360506	1.445623945	0.456013864	7.248825527	5.829466675	7.378260399
7.849026677	3.437070202	2.283638744	1.156814554	19.65753947	4.406484654	5.854769471
7.263908237	4.749288526	1.52947293	0.376611146	6.354875642	5.885817222	6.751462374
8.883863853	5.919024098	1.500900099	0.50369622	6.456482408	7.79767384	8.182985248
7.635060275	5.017372981	1.521724676	0.496313708	8.148532264	5.76524698	6.842008652
9.328555847	6.411068076	1.455070471	0.470085022	5.802352541	7.675828132	9.056421492
7.647413182	5.853715509	1.30642037	0.400990631	5.77490252	6.955043857	7.567449118
10.03266	7.926372039	1.265731655	0.365652685	4.025980978	8.444194456	9.444858378
10.59099191	7.623737421	1.389212577	0.576857437	6.643946563	8.47563818	8.982880178
10.36553009	6.96175873	1.488924063	0.517613602	6.130705045	8.834037576	10.17954808
9.987355	7.384156344	1.352538399	0.442272919	5.183680878	8.641687762	9.49544345
9.113019796	5.953159961	1.530786986	0.595918698	7.450603387	7.809352478	8.791448961
9.641475645	7.059797784	1.365687225	0.467157528	5.677656924	8.110507284	9.497037293
6.451192548	2.082305315	3.098101178	0.693774375	16.50427578	4.633266643	5.957478237
5.030791709	1.895738755	2.653736806	0.547714848	14.36338035	3.667769017	3.941823028
9.049648817	6.429407288	1.407540137	0.500487104	6.580370482	7.18982057	8.057345358
12.09191355	3.123960629	3.870699726	1.698900222	31.84359602	6.222166479	10.08845165
8.981434764	5.291310202	1.697393353	0.839977576	11.61339121	8.386618876	10.42703243
8.460685917	2.223441775	3.805220362	1.332884378	26.5211362	4.280042016	6.505945697
6.438157106	4.122853158	1.561578077	0.361676817	6.63590101	5.770377036	6.823443588
5.63449031	2.47056849	2.280645258	0.476006267	10.94357169	4.427001936	5.582164773
6.476097279	2.165974834	2.989922679	0.744680128	17.67961462	4.046162847	4.624563228
5.958242584	1.727171539	3.449710957	0.673408145	16.44048806	4.038363535	6.189057439
5.471435443	2.030422053	2.694728141	0.539723102	13.23731123	4.116153683	7.421241699

5.853573902	3.729059945	1.569718371	0.351522184	7.196354393	5.192357274	6.293032653
6.775258945	4.645748773	1.458378246	0.368636544	6.422818928	6.012606604	6.89047521
9.119433629	3.440580282	2.650551035	1.156316399	20.62930924	5.529963132	7.591083219
7.748283336	5.69292578	1.361037125	0.447880381	6.408161769	6.801460042	7.379916238
5.727493273	0.940179145	6.091916953	0.772829461	21.89491737	3.549601698	3.916349417
7.866402043	4.54004023	1.732672321	0.600107631	9.481271405	5.851388678	7.039411152
13.11065342	1.115487344	11.75329644	2.468134382	45.79922073	3.723244783	7.706234719
9.23883398	1.371030896	6.738603781	1.66390928	33.6544514	4.017308136	7.283804783
10.79136094	8.245879201	1.308697433	0.561424791	6.03414738	8.205844773	9.677475079
9.62234802	6.752721308	1.424958558	0.770015914	9.31216041	8.411626301	9.880405911
8.803000353	5.693269041	1.546211902	0.539485154	7.468130141	7.54715301	8.197694238
10.02192513	2.000637297	5.009366339	2.137360477	33.79124402	8.156014515	11.12742474
7.894941009	5.299739346	1.489684774	0.425640828	6.681210808	6.769107587	7.520151629
8.179568182	5.647605526	1.448324984	0.452480856	6.285374988	7.604724433	8.393955663
6.247156167	4.603381977	1.357079686	0.349381848	6.4635891	5.455920384	6.024522684
10.18004713	7.75427156	1.312830876	0.463567181	5.237211141	8.704136875	9.536349517
9.76335174	7.076338362	1.379718046	0.438871312	5.117449572	8.776684567	10.05654383
10.17007896	8.074900908	1.259467959	0.376678493	3.940270895	9.444979227	10.25976129
9.4878483	3.101774924	3.058844865	1.017405435	21.71873313	4.979294559	9.11538455
7.508304993	5.87345228	1.27834613	0.317791935	4.785017593	7.063503402	8.008197902
5.644421411	1.006502204	5.607957326	0.672082816	19.79293246	3.313892534	3.888860003
6.811517734	4.469188625	1.52410612	0.435828025	7.777160352	5.65237776	6.531770439
8.504652307	6.037979433	1.408526213	0.449428773	6.047342202	8.024952204	10.99422519
8.735101037	6.474953773	1.349059985	0.383888529	4.847783209	7.589338905	8.499671895
7.581500591	5.151684323	1.471654728	0.541746059	8.280493864	7.132242307	8.33846617
8.155741394	5.605789606	1.454878254	0.493927437	6.852574424	7.685775647	8.498749571
8.641549745	6.651838325	1.299122036	0.393317563	5.173915384	7.874408698	8.314125006
8.961516551	6.292456707	1.42416817	0.445389597	5.575223909	8.110941735	9.049098533
7.731800906	4.77298363	1.61990937	0.570380116	9.83754539	5.461094833	6.724545977
7.651419685	5.969796435	1.281688541	0.362279888	5.238430887	7.068831623	7.652026402
6.511924147	2.893845259	2.250266882	0.724308703	15.52881796	4.897009353	5.943923465
8.123495405	5.028556747	1.615472553	0.774893395	11.70892771	6.022126118	6.936691224
9.042142971	6.777766434	1.334088901	0.431549436	5.895689402	7.445062787	9.092011811
7.470556565	5.71888427	1.306296161	0.353577773	5.497228771	6.995949494	7.690806432
7.550298365	5.984366998	1.261670343	0.333257887	5.047724262	6.578245068	7.879613685
7.648080047	5.934441426	1.28876157	0.363451889	5.436741776	6.792947051	7.605692816
8.473277999	6.304434474	1.344018728	0.423351127	5.521924636	7.827971877	8.704275671
9.349116271	2.926028319	3.195155771	0.91225698	11.60196737	7.847234056	8.528369906
8.727793935	6.613058615	1.319781729	0.43308794	5.382041849	7.755827411	8.642979179
8.734984359	7.310779743	1.194808853	0.326425882	4.013793641	7.995152574	9.162344075
6.335165482	4.208959589	1.505161869	0.344558206	6.084937916	5.806202499	6.679665213
7.381559744	4.25061242	1.736587347	0.532451088	8.690566183	5.870480595	6.866451322
6.311810977	3.78838469	1.666095577	0.443147618	7.974039894	5.624303701	6.175764732
9.217282723	6.080469468	1.515883399	0.447180627	5.617748154	8.316714525	9.360360197
6.535111499	1.727168039	3.783714931	0.725550293	17.92904544	4.596991308	12.82436002
7.873902155	4.318859116	1.823144016	0.515089635	7.628177969	6.987013311	8.044123902
8.015135753	5.33479304	1.502426747	0.462987777	7.210886066	6.2413415	6.664720161

8.966358126	3.034404543	2.954898729	1.271883464	22.068046	6.069498484	9.49946593
7.463914354	5.069313472	1.47237183	0.488658111	7.529769854	5.836347979	6.434029358
10.49918703	3.388567245	3.098414838	1.097442538	16.48359294	5.220712453	6.747993029
11.40507955	6.090579255	1.872577151	0.851855937	9.144256673	7.202631992	9.218075347
5.781537963	3.551936459	1.627714355	0.354693474	7.971030084	4.328299568	4.478867791
8.721947415	3.619455609	2.409740126	0.908607172	13.69736181	5.999120698	7.947627618
7.478558186	3.426626701	2.182484069	0.856156619	15.40166094	4.916415365	5.961829675
6.4662752	4.688268132	1.379246028	0.425208136	7.644616409	5.431764619	5.933381185
7.57952727	2.068250786	3.664704166	0.920860696	18.61234265	6.052171812	7.317198143
7.220356757	4.975110187	1.451295848	0.490597478	7.96357991	5.687703438	7.20612646
6.938721534	5.519167886	1.257204288	0.320364043	5.223801933	6.245004534	8.005012879
8.282779034	5.451794548	1.51927571	0.555023859	8.546327391	6.666841918	8.51485369
6.737994957	3.033687027	2.221058038	0.613838679	14.32317992	4.332572885	5.095965057
9.923213239	3.341383841	2.969791473	1.489100657	22.45249381	6.901368452	8.671181953
9.530776295	6.136565662	1.553112412	0.540706464	6.893486961	7.803758346	9.12421199
9.881123059	7.706664862	1.282152946	0.413741468	4.733284482	8.984319763	9.727413172
6.513483112	3.685711228	1.767225566	0.426815842	7.894246993	5.568296968	6.23202696
8.251575342	5.655755716	1.458969545	0.429700997	5.819882824	7.516876628	8.083597931
9.745318528	3.37792882	2.884998189	1.283178053	21.80593129	5.273051416	8.135132482
6.095603654	4.182402244	1.457440796	0.416828856	7.888060612	4.968510813	5.897765318
6.928372026	3.991712579	1.735689103	0.611816442	11.96422287	5.083526103	7.30092137
8.365514273	5.75700122	1.453102744	0.595529295	8.638204407	7.636713631	9.013106375
5.929298602	3.867706691	1.533026953	0.416902297	8.727114456	4.647938577	5.178089325
6.33159996	2.856252964	2.216750421	0.492245313	11.10912609	4.443306388	5.556310453
7.732162577	4.674027766	1.654282551	0.458275909	7.44495618	6.325142554	7.131718789
8.273623131	5.525182734	1.497438823	0.610042251	8.441018775	7.523372873	8.671933449
7.507330146	4.68751496	1.601558653	0.634355206	10.23439897	6.328344995	7.439062698
7.719646371	5.328100986	1.448855116	0.372618885	5.533918213	6.809342621	7.530480893
7.33559088	3.496123339	2.09820712	0.789574402	14.98241638	5.28511453	6.078300839
7.470453422	4.231114223	1.765599563	0.971184629	17.04462222	7.680850181	9.951427556
9.25580058	7.126829309	1.298726289	0.424355002	5.316723965	7.866037953	9.618446183
10.7838618	2.63988155	4.084979419	1.60035388	27.13871088	7.435561551	8.69679224
6.073072986	2.806428931	2.163986025	0.596232121	11.92594089	5.351377433	6.254144944
6.403467485	3.03656984	2.108783207	0.583855317	13.99072741	3.928276804	5.31099293
8.495338827	4.907185102	1.731204071	0.475597382	7.00899255	6.422525735	7.291190084
5.480182584	1.250401016	4.382740028	0.722425191	17.64996182	4.275069042	5.816492278
7.899507033	5.940119939	1.329856487	0.364358307	5.414071243	6.740098766	7.444972194
7.881199956	4.692746998	1.679442757	0.508455036	8.420571239	6.008185583	6.661336562
6.518857598	4.970073777	1.311621897	0.334604498	5.767002735	6.252136206	7.507910054
6.206958128	3.36007265	1.847269025	0.437185034	8.922405489	4.812058394	5.648863913
7.744348089	5.834029532	1.327444101	0.401228148	5.758040825	7.259895842	8.497325003
6.716925196	3.631677644	1.849537832	0.660790794	13.16101853	5.902945953	7.624930438
8.821722838	4.717026345	1.870187315	0.743677049	10.5911537	7.196999155	9.309553394
9.264994982	5.80591087	1.595786637	0.544277005	6.540992891	7.634013845	8.764025011
6.38804372	4.432708514	1.441115223	0.298248064	5.793449394	5.259730455	5.883192653
6.081771746	2.948545025	2.062634857	0.643402889	14.36310457	4.881629588	5.872208789
6.001363508	4.404614807	1.362517217	0.314459232	6.157478408	5.10201362	5.996663026

8.760402201	6.475011481	1.35295547	0.406819134	5.382034568	7.336235313	8.109377013
8.792587226	5.229799537	1.681247467	0.792315402	11.2166812	7.530798865	8.640145715
9.288106731	6.956310987	1.335205793	0.491411482	6.030935081	7.775966077	8.53938435
8.973629127	3.460853975	2.592894469	0.906028294	15.15798525	6.981483217	10.26832518
7.299422836	3.446204417	2.118105008	0.659430457	12.30130259	5.728872223	7.254359497
5.444522762	1.741800564	3.125801469	0.541898478	12.99198499	3.926534565	4.108831029
5.341250826	1.33358649	4.005177666	0.69426664	17.25266278	4.240039494	6.33010404
5.60162627	2.033669827	2.754442336	0.669778169	15.23146315	4.408346547	4.975381164
5.586434874	2.401712738	2.326021253	0.551389152	14.32812619	3.808121042	4.520455424
11.49335604	5.966057641	1.926457425	0.96456906	10.70580113	8.259245954	9.446200684
7.040707742	2.743309009	2.566501885	0.950946199	20.79353275	4.370420287	6.260584595
10.62218643	5.29421323	2.006376769	1.161943639	14.2640519	8.579070602	10.84370264
6.286331734	3.265293975	1.925196255	0.78539701	16.29735547	5.579065102	7.807809481
7.337494404	4.480227446	1.637750425	0.496670127	8.970823557	6.309563939	9.096540168
9.659700914	5.026565979	1.921729657	0.712607321	9.717696874	7.057433604	8.574464215
8.572964682	4.695387961	1.825826695	0.653916696	8.781384899	7.198855107	8.13867887
8.289703451	6.049607599	1.370287794	0.488153666	6.780300308	7.379549841	9.582763753
8.624472058	5.366400456	1.607124203	0.655474028	9.458873186	7.643211993	8.999287764
9.829069629	5.6833023	1.72946451	0.711082957	9.521356105	7.549591424	8.622448801
6.69031894	2.218787616	3.015303895	0.734954942	14.37108915	6.13568888	8.221888849
10.39150906	6.438432778	1.613981137	0.796608653	8.818679685	8.922636946	10.77931341
8.913415962	2.940519904	3.031238098	1.245785944	24.03720433	4.621672157	7.221007682
8.074959357	2.843155355	2.840140038	1.160426158	22.72559614	5.27864413	7.789870901
12.78341142	3.165305909	4.038602204	2.013792298	36.52685668	4.886398102	14.33565965
9.022498513	2.207920218	4.086424156	1.765131126	34.08161462	7.936172406	9.855048027
12.91784727	2.814133921	4.590345603	1.616173842	33.37110315	4.267148691	5.818669286
6.430128336	1.663371042	3.86572098	0.755409622	19.14783003	4.175982554	5.622132343
11.92709025	8.735563223	1.365348742	0.506087754	4.755584587	10.44067873	11.4614938
6.884094333	3.23041223	2.131026582	0.543253206	10.84074608	5.119472183	5.705099592
6.942302728	5.316502031	1.305802704	0.26933175	4.481979773	6.101356757	6.830916956
6.660345842	4.850409019	1.373151381	0.409086546	7.212208914	5.826955889	7.076568857
6.349337417	2.945749342	2.155423521	0.458905394	10.54577745	4.194255976	5.719298039
6.937104987	4.835213842	1.434704899	0.418900739	6.936912282	6.253611552	7.291340334
9.986426443	7.145688017	1.397545823	0.445827953	4.863365192	8.604298801	9.352518043
9.418189321	5.353282108	1.759329909	0.558508844	6.799060323	7.919571749	9.34151904
7.77075474	5.739806064	1.353835766	0.346254216	4.936048571	6.793710404	7.406313156
10.11044347	8.25407934	1.224902628	0.379360429	4.009104876	8.797952925	9.397883945
9.071220699	5.320834092	1.704849379	0.779495266	10.42185606	7.656953124	9.093553307
9.207135025	7.406723585	1.243077984	0.34129302	4.010595021	8.491632011	9.019297471
10.56676647	7.733149939	1.36642462	0.484073611	5.055771359	9.266653832	10.3787664
10.80083736	6.668529227	1.619673093	0.672122443	7.350547431	8.656564429	9.542062064
10.1953548	7.52972733	1.354013811	0.446475304	4.813173724	9.134624453	10.20473882
9.265977691	6.855882185	1.351536891	0.549757252	7.047866878	7.177397105	8.150116533
9.867076429	6.053951571	1.629857179	0.693560851	8.307898548	7.230689337	8.569946406
10.71816379	4.544529787	2.358475858	1.163411595	14.0705365	6.217350523	8.157546263
8.878082337	5.863726864	1.514068193	0.624815785	8.016833026	8.245301484	9.236251121
10.04339023	6.080183794	1.65182346	0.624338421	7.560797624	7.849641056	9.474766653

9.522419711	6.165948208	1.544356097	0.574166508	6.994160825	8.107868395	9.031113411
10.28563245	8.401457245	1.224267666	0.388430622	4.197446282	9.252355712	10.12869232
9.810835101	6.814768572	1.43964318	0.491323272	5.564708439	8.647958246	9.493364592
9.975974313	7.539436246	1.323172448	0.418491343	4.745335673	8.371516667	9.723103394
10.59551426	7.302698993	1.450903874	0.639310467	6.894497102	8.351330014	9.548676317
8.666316176	6.307818274	1.373900737	0.475374395	6.29666698	7.317250244	7.924541844
7.408018795	4.235923037	1.748855853	0.552369654	8.789049036	6.170471885	6.777577445
9.755901146	6.817451015	1.431018884	0.504306039	5.650469601	8.400339588	9.670221076
8.21469083	6.0047645	1.368028809	0.479643573	6.720378794	6.976788467	7.693442919
9.972945453	5.627944826	1.772040374	0.600315291	7.701473489	7.588895273	8.642875953
9.106501129	6.813026262	1.336630857	0.538581983	6.903879165	7.160083246	7.861420148
10.80601344	7.721828248	1.399411265	0.524553834	5.561309949	9.153550604	10.06981656
7.175788067	3.267136961	2.196353613	0.709822713	12.78900462	5.618424715	7.176719181
7.893654378	2.583066308	3.055924021	0.682979323	13.85449969	5.495420358	6.573835581
7.955936198	6.488619007	1.226137055	0.341154347	4.661625573	7.220667491	8.195358846
5.470910217	3.273914725	1.671060695	0.448152107	10.51406958	4.008228236	5.295510209
7.651295015	3.656369571	2.09259345	0.892325119	16.92648887	4.084630025	5.617927621
6.409925131	2.663364018	2.406702609	0.646041564	15.5268149	4.153879128	9.095025056
7.777419845	5.563470562	1.39794392	0.504662367	7.83524613	5.496831537	8.327766782
7.329420869	4.465507101	1.641341219	0.498544353	9.339647101	5.124978735	5.365262835
7.883333884	2.927668909	2.692699936	1.034435566	19.78117582	4.693610874	7.942955556
4.431398859	0.07759849	57.1067663	0.884716212	28.57848703	3.321818401	3.505505168
10.63328299	3.148471843	3.377283812	1.772647535	31.06181732	4.387243911	6.86758351
9.39946971	2.198306634	4.275777348	1.931079058	38.70703004	3.149355822	5.611692985
6.598955881	3.645042984	1.810391787	0.53911515	11.33083352	4.655744976	5.480731301
8.251644659	-0.030118275	-273.9746734	1.272195243	30.25473745	3.822667385	4.880036756
8.684880388	5.765990432	1.506225251	0.576345128	8.323674699	6.91170038	8.155741363
8.959753974	1.34891062	6.642214719	1.33087331	29.23363629	4.025132755	5.031894713
7.445843627	5.332626527	1.396280724	0.457301632	7.298313326	6.378942751	7.313955599
7.692104464	4.749925151	1.619415932	0.479244787	7.321716256	6.650454398	7.28920545
7.578337976	4.59833714	1.648060537	0.430422296	7.403712906	5.525636818	6.223848273
7.20280952	4.063000602	1.772780815	0.489614118	8.575858157	5.565985692	6.112568705
9.096790383	0.478872602	18.99626403	1.30449715	21.54063495	7.172424719	8.63028464
7.276511583	3.906123458	1.862847312	0.586023869	10.94734229	4.671915194	5.443886578
6.789544802	4.654891903	1.4585827	0.404037302	7.223511025	5.674490023	6.300598897
6.821581154	5.273583749	1.293538034	0.318210599	5.387145623	5.904894193	6.49181324
8.007755699	6.038904271	1.326027925	0.465526798	6.807956176	5.957441122	7.170403205
9.083443261	4.895010866	1.85565334	0.871557434	13.13386911	7.062491338	7.93453357
8.233107234	3.089239703	2.665091746	0.812651881	12.53582344	5.897887371	7.216686341
6.404986905	4.04237479	1.584461421	0.535528432	10.10938115	5.842490638	7.342209737
8.539578636	4.1577524	2.053893021	0.80604696	12.24174887	4.854074541	7.197199653
7.410762435	2.6783707	2.76689199	1.048349374	23.17711154	4.61999355	8.305227994
7.841650905	4.140894803	1.893709278	0.540389399	9.187557909	5.489834233	7.176682072
9.082789269	3.960871457	2.293129017	1.160047682	16.92495669	6.849284006	8.23733441
7.863108119	5.516898321	1.425276969	0.500233085	7.536976718	6.599359987	9.56944384
6.236362875	4.605951285	1.353979338	0.355441499	6.438217516	5.751825031	6.724266284
8.625414726	4.944674054	1.744384894	0.787814006	11.39424279	6.167080768	6.820414677

9.939743122	5.770884432	1.722395109	0.961088467	11.91779706	9.576505725	11.58681237
6.678981265	2.81183529	2.375310278	0.602399102	12.59362659	4.780103049	7.11471182
7.495441848	4.012294757	1.868118446	0.887888991	16.1718788	6.822611358	8.749239691
7.807500642	4.809135472	1.623472803	0.619534346	10.06571245	5.288842887	6.570165303
9.304706346	2.241068728	4.151905843	1.272289016	28.36302367	3.740933975	7.632435095
6.997634782	3.957292499	1.768288491	0.638469491	11.48218796	6.411467362	8.860131426
10.31984579	2.116953254	4.874857662	2.153101451	48.2569455	2.662798436	4.66602654
9.53610685	6.799874624	1.402394511	0.547665711	6.451312905	8.150561371	9.096834273
7.646662861	5.911456912	1.293532707	0.400703039	5.888295051	7.512356742	9.442222143
10.15201389	1.744861232	5.818235687	1.174997222	26.80869122	5.239332941	14.10021033
6.381702002	4.630887331	1.37807326	0.403648704	7.264997809	5.388650924	6.411347034
5.793958677	4.110892499	1.409416247	0.389140286	7.89657101	4.695072957	5.652981159
8.492915022	5.645128341	1.504468013	0.55239865	8.091118414	6.9469442	8.272288814
6.708076028	4.802561103	1.396770574	0.355628796	6.139305693	5.519816037	5.807055236
8.014130903	5.453985902	1.469408071	0.49225956	7.043965254	7.804490278	9.512124934
8.828377466	5.235885705	1.686128759	0.650634717	9.256884229	6.712707484	7.960910517
6.526429114	4.564399723	1.429854857	0.342508909	6.018168622	6.072939713	6.776405734
6.838154145	4.815824557	1.419934232	0.467825455	7.666199533	6.448238199	7.434440325
7.294912133	4.835996668	1.508460951	0.516494548	8.713155231	5.874579155	6.288980052
6.896144584	5.197997626	1.326692523	0.332500863	5.555598347	6.241847453	7.156722926
8.680701344	4.894805454	1.773451759	0.736983335	10.99025835	5.743311184	7.834389768
6.488394288	4.512377053	1.437910488	0.338739083	6.18620859	5.787974443	6.50482339
8.447747231	4.197213421	2.012703759	0.755446762	11.62286679	6.307191317	7.06745745
8.966285254	5.874074297	1.526416726	0.741403236	9.826010344	5.346006722	8.783357088
6.883532979	2.831525238	2.431033595	0.921041525	19.56442651	5.938414549	10.90018257
5.805939553	2.790295115	2.080761824	0.478945168	10.50749451	4.516860552	4.736898053
7.292267696	5.102129815	1.429259537	0.413451734	6.769005704	6.276116492	6.697056014
8.506378748	6.568795915	1.294967732	0.426570935	5.388847835	7.916665024	8.584917559
8.624374032	6.178522086	1.395863592	0.445720044	5.842531307	7.90865117	8.799845156
9.313605624	6.850162147	1.359618272	0.449644023	5.784903265	8.121261548	9.851234719
8.518737346	3.160396609	2.695464652	0.873130622	16.65030902	5.384072912	6.469112177
7.080204755	3.386610861	2.09064609	1.209053908	24.22275707	3.725273006	4.726298192
7.979149729	6.351462405	1.256269694	0.311019633	4.301492365	7.262386411	7.883744573
7.093053018	2.403678774	2.950915528	0.837896149	15.90166777	5.218794095	6.321605221
8.988477983	6.164301122	1.458150374	0.592439337	7.830015622	8.020044322	10.17449361
7.83551867	5.380614836	1.456249687	0.539706888	8.167427606	6.667273727	8.177618203
9.541476403	6.78755707	1.40573056	0.617697339	7.667559589	7.355862272	9.009705436
7.245746645	5.539412546	1.308035209	0.37489783	5.748451945	6.346311099	7.899856376
8.614077127	6.94383982	1.240535115	0.388151296	4.921812095	7.741200985	8.709701822
9.723524033	5.836360455	1.666025275	0.893623282	11.48121446	5.448778182	8.36296967
7.900386472	3.38731592	2.332344151	0.888209392	16.4867834	4.740508626	6.03391651
8.403490846	4.984376701	1.68596624	0.670351381	10.95236157	5.96981631	7.590991866
7.862477896	5.523130383	1.423554642	0.424293151	6.449711315	6.981891807	8.036994019
9.711442803	7.297497325	1.330790869	0.480370702	5.507764202	8.594195713	9.012305811
6.623362117	3.65111037	1.814067899	0.566247309	10.8095563	4.131049104	4.828046046
7.365214894	4.62847586	1.591282987	0.61481954	10.02366281	5.82465841	6.787666819
5.842859467	3.376664679	1.730364138	0.412369973	9.390998296	4.47882659	5.833644827

10.01251769	5.173681314	1.935279173	1.057756671	16.46711407	6.607372685	8.98204783
7.104859117	4.195907864	1.693282919	0.477378557	9.209300733	5.337885382	6.355186132
9.14834479	6.227019796	1.469136937	0.544702532	7.239908004	7.693102728	8.881105225
10.05844302	6.200133435	1.622294605	0.661924298	7.801255019	7.354216944	9.250741661
8.856628825	6.28488714	1.409194569	0.41689216	5.430019257	7.327239457	8.354976985
8.295622152	5.874878226	1.41205006	0.514380616	7.557081698	6.964308931	7.769165126
10.05060016	6.596347539	1.523661405	0.523462337	5.630414002	8.972142593	9.952157327
7.31955756	5.412686609	1.352296574	0.388099683	6.115298461	5.85477697	6.561509038
8.180108372	4.740026002	1.725751793	0.703473998	10.18788809	5.981783366	7.064860188
7.191384296	5.563351653	1.292635222	0.354821004	5.509959538	6.4081674	6.928208482
10.09743028	8.28384159	1.218930875	0.363488546	3.842139396	8.993070556	9.997698234
10.01783325	4.363489152	2.295830906	1.030487294	16.25210938	7.653856463	9.887906358
7.768572333	4.678793901	1.660379255	0.467226183	6.951379204	6.22124237	7.190225562
7.182414605	5.451806672	1.31743751	0.363483339	5.752847604	6.065555881	7.171977576
6.345095853	3.901400721	1.626363531	0.423768199	7.727463758	5.589241755	6.988993694
5.913119845	2.956198364	2.00024461	0.512007536	10.73383587	4.921573935	5.61793226
6.467172332	0.300075049	21.55184963	0.830505223	16.43896322	5.244049754	6.031532345
9.830187632	6.56859578	1.496543243	0.498444559	5.726374479	8.115615008	9.409570585
10.00374881	2.741336723	3.649222923	1.551492552	23.93734925	3.845980208	7.098381046
12.11231772	4.561286045	2.655461114	1.667739817	21.20141246	6.281364607	10.3941933
10.99863957	5.170707789	2.127105228	1.128506809	13.59528217	7.402911532	10.16530613
10.30464036	6.848874919	1.504574179	0.708023694	8.39872568	8.460040077	10.3087246
8.199011445	5.596731888	1.464964127	0.587068977	8.750121879	6.075342492	7.981036779
9.923598249	4.500633167	2.204933813	0.722135787	12.03141523	6.728025965	8.386269759
7.418023523	4.858322564	1.52686929	0.491244291	7.847921427	6.660819347	7.38897613
8.47903955	5.868128391	1.444930817	0.40897318	5.567957702	7.284698642	8.183264619
7.182518428	4.549631834	1.57870322	0.5925101	9.685020758	6.508506602	7.873635492
6.890817016	5.409597213	1.273813326	0.310740194	5.047649574	6.542141513	7.218945553
9.952756946	7.474812232	1.331505948	0.454499788	5.128580638	8.748356861	9.748056988
9.616136599	6.039847518	1.592115789	0.748496681	9.187318463	7.653331929	9.238077975
5.864638395	4.175785974	1.404439411	0.378561786	7.890431221	4.471440584	5.140519917
8.859408935	6.101536365	1.451996416	0.56743664	7.30200669	7.717274348	9.057043116
7.286850012	4.648506704	1.567567926	0.503093147	8.077535582	6.436044332	7.316955036
9.760512942	4.278539823	2.281271963	1.106122113	17.92251534	5.863764455	8.081133624
9.309577315	2.482698816	3.749781188	0.920066347	20.02738784	4.577274387	5.298944748
9.243402392	2.650787214	3.487040507	1.156854416	26.40789447	4.294473298	5.85987963
10.11421518	6.469686115	1.563323939	0.567824681	7.037035035	8.382705813	11.0124088
5.931454131	1.816110046	3.266021321	0.696089872	15.01592624	4.754376035	7.444803747
7.504017972	5.448232033	1.377330834	0.420731866	6.439762077	6.527873537	8.15355311
8.901352871	5.655417102	1.573951613	0.581470988	7.579749443	6.584663743	7.724663548
7.693854351	5.137546205	1.497573753	0.6244945	10.21714393	6.217893239	7.716707324
6.725235205	3.242290084	2.074223784	0.517208312	11.28213854	4.336453256	5.030384369
6.277090834	2.12991476	2.947108941	0.664661539	16.28463484	3.918709362	4.410627588
7.994899591	5.755527813	1.389081914	0.403665527	5.6631475	6.703464924	7.974296092
8.394169199	4.2778992	1.962217623	0.71745605	11.59297321	4.98888992	6.277662682
6.083551107	2.738443689	2.221535951	0.566209688	13.35974022	4.293275107	6.31391469
7.929048474	5.804633158	1.365986146	0.463007486	6.952565242	7.028292328	7.859023051

8.480544714	6.528353819	1.299032643	0.425085985	5.670782594	7.805547747	8.861881729
6.572442352	5.262444499	1.248933334	0.286350991	4.821952095	6.16685064	6.82826296
6.708745371	3.082875293	2.176132582	0.518025843	11.27672648	4.841859703	8.535610539
7.83400581	5.653221601	1.385759548	0.50357204	7.471964522	7.141127436	8.65327567
10.18487804	5.250575589	1.939764102	0.700996911	11.08249369	6.325920899	6.896727771
8.920998463	0.797607108	11.18470281	1.12290803	16.89858636	6.29472543	7.400354366
6.87021137	3.713293889	1.850166342	0.672980279	12.04926782	5.005768763	5.70398045
8.887238405	4.990888043	1.7806928	0.87670662	12.02283971	6.199176424	7.608000147
7.953648594	4.782967842	1.66291074	0.612201389	9.070316718	6.921387266	9.00811475
8.183322045	5.054220803	1.619106557	0.573106843	8.631599615	6.615208297	7.873043877
8.194906815	6.039809699	1.3568154	0.427687642	5.840725322	7.244704243	8.187508574
7.40366414	4.90602047	1.509097686	0.3801304	6.515283869	6.010417276	6.580017726
6.384568277	2.733323054	2.335826447	0.747152486	14.76555437	5.258730259	5.950215733
5.550308594	3.809218274	1.457072867	0.390545239	8.366865162	5.191568951	6.280155563
8.857036524	6.192237508	1.430345091	0.455947075	6.413993366	7.430801707	8.177584225
5.970385495	3.542760813	1.685235275	0.500530929	10.10861281	5.210136264	7.040198012
5.627331479	1.363791768	4.12623951	0.578257163	13.63184686	4.188535334	4.504476364
11.66968232	3.389973118	3.442411463	1.517454322	17.58404401	6.603317535	12.40713328
8.244287273	4.985660939	1.653599668	0.6288865	10.71940585	5.792739008	6.518616407
10.23261627	3.178786335	3.219032422	1.680570398	24.78346406	5.01991197	7.81104115
5.265936243	2.222679385	2.369183913	0.542055091	14.27500709	3.831196647	5.540883858
8.983964902	5.585679209	1.608392563	0.562244591	8.123862108	5.570741766	6.46449744
5.828899407	3.7719153	1.545342072	0.355116764	7.235091647	4.806757549	5.640918988
5.838951816	1.016624996	5.743466706	0.688102125	20.28529114	3.416054467	3.806445588
8.025035814	3.903243995	2.05599133	0.937140031	15.2103734	7.063612205	9.437941229
5.191706319	2.087085593	2.487538765	0.418106907	10.46215609	3.879882779	4.359027138
5.61627983	2.488139109	2.257220993	0.526174589	11.68777045	4.551648252	5.3266258
6.5741075	2.042003018	3.219440638	0.569215172	14.22930886	4.151115396	5.428397438
7.409931279	0.953577732	7.770663079	1.039210812	28.01694355	3.682012596	4.203239015
8.69065711	7.046211207	1.233380161	0.323800841	4.093289225	8.491040888	9.883190241
7.56103236	4.997241862	1.513041107	0.523468702	8.102615912	6.464012514	8.11597172
6.42002059	1.961491333	3.273030312	0.646788621	15.29517535	4.214535287	4.820138273
7.824321484	4.717430169	1.658598263	0.466969384	6.85790996	6.579144724	7.604403474
5.710449093	2.642608209	2.160914007	0.606576318	15.75143847	4.48049107	6.839331354
9.916302061	5.457517853	1.816998557	0.929683694	12.60713559	6.40139403	7.964648039
8.845879319	1.769371042	4.999448453	1.317040512	22.95881339	3.987285936	6.458792721
8.324367775	4.801421471	1.73372986	0.814405226	12.4822942	6.27650699	9.560042472
10.15831972	5.084262231	1.997992877	1.060928278	13.22664611	5.55128884	8.693607317
6.437983487	5.129980695	1.254972264	0.241487972	4.158749326	5.817946636	6.765199035
9.097469521	5.760113257	1.579390737	0.614015545	7.59603415	8.463357715	9.578120179
8.88025227	7.126952662	1.246009717	0.350211852	4.338249757	8.054942389	9.133632484
6.983302654	4.12178114	1.694243924	0.454530667	8.106409926	5.62318913	6.15439196
7.590226632	5.39895393	1.405869865	0.377158793	5.422811788	6.607434497	7.236120228
9.071262073	6.96577891	1.30226098	0.515649097	6.408365539	8.296800016	10.04070689
9.048963429	5.385623627	1.680207169	0.536550862	7.029739523	7.027456818	7.991287113
9.888308212	4.273497524	2.313867776	1.062922888	14.01103045	6.305561363	8.508180021
6.998211328	5.989059144	1.168499285	0.226502947	3.517454532	6.277791055	6.934993884

6.398743874	2.515193334	2.54403659	0.629223324	12.39804622	5.243780275	6.241154632
8.135555944	2.261849603	3.596859815	1.009763669	24.64581188	3.913271878	4.951596286
8.22442167	1.470808361	5.591769728	1.176735733	24.23471234	6.912439945	8.485808788
5.028837416	2.693350853	1.867130459	0.432269556	11.03343258	3.771895495	7.715179458
6.764426616	4.498515747	1.503701887	0.469837055	8.029576022	5.401286455	6.201046631
7.868169083	4.306132144	1.827201029	0.620955222	10.40219937	5.908444513	7.168408123
8.925262049	5.580227029	1.599444252	0.549166086	7.553711578	7.150909682	7.86295982
9.798893424	6.460735519	1.516683881	0.537869752	6.7042376	7.858656846	9.233671379
9.902028764	4.158129677	2.381366031	0.849466225	10.31286253	7.669592664	9.343505539
8.2488159	2.554671989	3.228913902	0.808436567	18.81078593	4.271579751	4.655880269
10.76175933	9.092031917	1.183647333	0.347122727	3.544444469	9.701502792	10.18683474
11.9282669	10.76824557	1.107726122	0.266502125	2.366242967	11.04618396	11.70284242
10.18367015	8.432892581	1.207612934	0.362052627	3.902956334	9.597490624	10.5037595
9.139290902	7.828135802	1.167492636	0.29701718	3.479165758	8.554372319	9.223936872
12.42183163	10.69310029	1.161667925	0.313014343	2.720787127	11.59259796	12.17918236
7.452923121	5.3004423	1.406094567	0.366875578	5.483519936	6.806207127	7.423061787
13.65268008	10.660018	1.280737057	0.407232229	3.442144842	11.67280402	12.11990145
12.54561698	11.1986292	1.120281488	0.264929571	2.26576207	11.62662721	12.157832
10.15328219	7.612681434	1.333732704	0.511487877	5.543968818	9.437571567	10.3979323
12.13077983	9.866381695	1.229506439	0.381273227	3.453378805	11.12440914	12.01256881
11.22259841	9.129579373	1.229256896	0.356921787	3.479656601	10.29231713	11.6949393
10.33642319	8.519809543	1.213222331	0.414247413	4.522244012	9.107271711	9.77615299
11.60681816	10.56330494	1.098786624	0.251593822	2.266259942	10.94971879	12.0087908
7.842524381	5.784622447	1.35575389	0.432299498	6.407437656	6.574498406	8.19073323
8.245494234	4.580963552	1.799947574	0.633100777	10.75443914	5.383301539	6.358619608
14.39490527	7.739597428	1.859903619	0.853517243	9.170816459	9.190777656	10.13174266
10.80113739	9.01825536	1.197697	0.376685945	3.798664542	9.826394926	10.54841993
12.29120139	9.787041274	1.255864878	0.508310314	4.42110603	11.35758297	12.28153779
12.26273451	10.82382391	1.13293921	0.299164012	2.596189689	11.66178719	12.0035313
14.03427204	0.7762771	18.07894635	3.335012827	49.02559494	6.120866476	13.93424879
12.11595202	9.751297776	1.242496363	0.439692445	4.008099258	10.6681378	11.88538931
8.013163969	5.62197092	1.425330028	0.592377527	8.772313766	7.090402691	8.474449503
8.953559471	4.497691727	1.990701012	0.866863967	13.2693409	7.526963167	9.361727536
8.181537708	5.736047704	1.42633711	0.509346073	6.835577536	7.838155775	8.944975498
8.627184426	5.743628894	1.502044193	0.476274305	7.247023612	6.430633694	7.701949183
7.487187952	5.179467764	1.445551608	0.458794152	7.252814026	6.081627477	7.390348428
11.65752446	10.13649083	1.150055246	0.347843762	3.234199198	10.58566241	12.06761252
10.51100268	8.626089839	1.218513008	0.297671967	3.174170728	9.390984538	10.05100504
9.611037375	7.28218187	1.319801887	0.404047744	4.821322212	8.547893212	9.388829816
11.30233886	9.338018379	1.210357316	0.357452533	3.432936041	10.24233014	10.9948829
10.56884646	9.130531706	1.157528039	0.302384378	3.053432232	9.724302057	10.0676382
10.66478085	8.700135466	1.225817792	0.510078488	5.309535155	9.965124737	11.45965458
11.79798408	10.59834087	1.113191605	0.301765697	2.698026134	11.11091695	11.87574613
10.7271507	8.298728445	1.292625825	0.491275476	5.312851187	9.75334508	11.52839461
10.09619448	1.779906027	5.672318835	1.320616096	24.76954281	4.867173394	8.071137673
9.30484868	6.470671272	1.438003615	0.564856257	6.885970805	7.604595764	8.60328485
8.100095366	5.3086167	1.525839183	0.510405442	7.562846425	6.941576217	8.133840414

6.559752978	4.749895074	1.381031133	0.370522356	6.677159232	5.790427344	7.508888165
9.871242551	6.163895152	1.601461788	0.66208978	8.529611437	6.931727361	8.299646855
10.74511773	2.743097786	3.917147173	1.516468011	19.42392637	5.1984067	8.264670256
5.310997998	1.3200506	4.023329105	0.639954054	16.33752367	3.876986657	4.761243498
6.781734508	5.122418589	1.323932121	0.370027557	6.005992184	6.866792294	7.550586928
7.41804452	5.164287356	1.436412037	0.367384658	5.910345096	5.929124529	6.556162803
8.311799616	2.728717542	3.04604617	1.076854366	19.50869977	5.351852845	9.902137388
8.46840722	5.31274434	1.593979811	0.713423296	10.22678659	7.285910488	8.231575405
8.366256649	4.440536344	1.884064446	0.508457117	8.60922305	6.04313723	6.705173757
7.890354107	3.048984676	2.587862828	1.224094446	28.84452161	6.430966688	11.10349933
10.49363285	5.855722807	1.792030327	0.623647318	8.05811451	7.825417301	8.869741398
6.407590664	0.708416673	9.044946159	1.032801296	26.58868373	5.126086769	7.067478182
5.983476599	0.544404659	10.99086222	0.791144552	20.94627084	4.134326642	10.37469382
10.60304291	4.219673187	2.512764009	1.419255954	22.28115986	9.259264715	11.83640922
7.946748547	4.893509865	1.623936349	0.859352407	12.94598853	7.432481596	8.07431173
12.94787906	0.253179723	51.1410587	3.018951229	36.29646762	5.105932567	10.15494225
8.912044755	3.499037377	2.546999016	1.134669679	19.69354995	4.402917811	6.376111554
14.15257413	2.386668672	5.929844513	2.758445023	59.29878201	2.904919159	4.395333248
11.82654658	2.745168575	4.308131269	2.034136536	26.64563004	3.971125793	7.448983437
12.38402264	5.677695923	2.181170463	1.683877023	19.70314539	4.764733001	8.910475195
10.86644442	7.361005567	1.476217389	0.74024648	8.379500338	7.463214581	9.460580284
11.93826635	9.218591374	1.295020667	0.570672601	5.498413319	9.105410569	10.58255039
10.8039902	2.298711729	4.700019605	1.786829919	36.38448885	4.116623346	5.776367639
9.180954619	5.323151364	1.72472169	0.598006607	7.804694014	8.194111527	8.924762923
11.51095683	1.137563814	10.11895481	2.206798354	41.89807073	3.559039504	4.897643881
10.676211	3.799643153	2.809793071	0.773689068	9.659092692	8.351969444	9.027979227
5.825623412	2.103088545	2.770032401	0.67985451	15.42191254	4.509711686	5.379214845
5.207070893	2.726222272	1.909994994	0.492803944	12.80503986	4.228391575	5.728906139
8.283341585	3.377999561	2.452144068	1.068232289	18.61826974	7.996186942	10.10039024
6.27970245	2.318833875	2.708129512	0.627855319	12.18400183	4.836642858	5.842564349
9.508929316	6.623667291	1.435598876	0.555293021	6.885518379	8.058945584	10.3171747
8.870790462	6.228856743	1.424144242	0.554060456	6.986182485	8.662982901	9.923445952
11.46964802	8.981521374	1.277027303	0.553447642	5.325609135	10.69682906	11.7724274
8.022044929	4.381109356	1.831053342	0.761655863	12.59645189	7.259133706	8.63138842
6.854654161	4.809221154	1.425314815	0.430287685	7.42554477	6.208493212	7.305667498
9.503691424	6.996986905	1.358254854	0.622314305	7.580327404	7.795139257	8.795302724
7.880342909	4.440842437	1.774515313	0.624735308	9.738671396	6.918091137	7.878254029
7.216069244	5.053689736	1.427881334	0.39070747	6.233168154	6.188540728	6.795353917
8.539608934	6.164925375	1.385192588	0.441080753	6.010618561	7.784957743	8.452047262
6.820252834	5.140102854	1.326870887	0.357853485	5.959940863	6.051948719	7.103657867
12.53890255	1.879791098	6.670370216	1.741763056	41.85503444	3.119602101	3.677008185
8.478272034	4.493098344	1.886954477	0.95240836	14.831045	4.961895396	7.116430788
8.675163605	3.848701792	2.254049306	0.915734021	15.54157387	5.929452995	8.925390352
5.250815412	2.371465253	2.214165021	0.447955456	10.51099345	4.435685611	5.878603192
5.751934837	1.866662977	3.081399754	0.549668239	11.85386008	4.692094134	6.084729014
6.750055235	2.17194501	3.10783892	0.875770045	19.88221099	3.904252792	5.363712806
8.458583652	2.675034566	3.162046487	1.255740697	21.51945344	6.673964862	8.482125781

7.388536647	2.187020983	3.378356543	0.977997051	22.07394348	5.672258279	9.317112826
7.096147238	3.151379697	2.251758887	0.684489768	13.78172159	4.962877939	5.843470109
9.522924767	7.370109193	1.292100906	0.434825114	5.0252379	8.758824208	9.695316487
6.195096849	2.194698959	2.822754721	0.630300791	15.32658853	4.184850956	5.14210521
12.72668761	5.687610922	2.237615721	1.563195556	17.70198938	6.3463735	9.339464609
11.0840856	4.257051556	2.603700108	1.43680919	18.37424049	5.429810787	8.11773539
10.65179525	2.19864708	4.844704431	1.632329489	31.73042662	3.879901157	6.94562521
10.96491387	3.068058049	3.573893876	1.562211028	29.6148158	3.904226433	5.616162737
10.30579401	3.676371607	2.803251443	1.632817666	24.96666778	4.426102062	8.284569557
6.486472639	2.550234451	2.543480908	0.65264709	15.15513047	4.209637785	4.738571072
12.45173162	3.084310231	4.037120356	2.150313984	25.73563369	4.818592613	9.117429757
12.50877396	1.9822242	6.310473842	2.028605762	31.60267726	5.125778458	8.486267889
12.08698357	2.044717458	5.911322134	2.124400913	33.67296971	3.253351933	8.504988146
7.745264146	2.345610366	3.302025033	1.143273657	25.39793705	3.787255283	6.523455226
6.03423869	2.661374335	2.267339326	0.508003864	11.77341853	4.380102878	5.374058222
11.83246	1.949466141	6.069589901	2.450915452	48.21358019	2.621869604	4.205356073
7.182421626	2.333825408	3.077531679	0.826163798	18.28068364	3.972488145	5.437180248
10.20222156	4.593383469	2.221068986	1.207385303	18.87214428	6.624373719	9.418351532
10.23425618	4.378994074	2.337124921	1.23326575	15.71169391	6.930984709	8.936282633
11.08526812	5.637015572	1.96651366	1.21434018	14.43271743	9.246404492	11.72617856
11.30651546	7.43812933	1.520075137	0.902525326	9.719976733	9.316267766	11.12461942
10.90463431	8.679508254	1.256365452	0.467738183	4.659334305	9.574671369	10.72477437
10.32861762	4.303687797	2.399945838	1.285790794	16.92516083	6.619819712	9.447300636
8.483310679	6.071517043	1.39723081	0.514158309	6.731355116	8.006937517	10.29065111
10.07695705	7.475006792	1.348086675	0.457853166	5.415830503	8.138509079	9.814777531
7.832689046	5.307904428	1.475665049	0.506807428	7.245391113	6.776153601	8.058986562
7.897175226	6.228462145	1.267917351	0.314052631	4.437436688	7.484261057	8.814838693
7.952004539	6.069264997	1.310208821	0.37924734	5.327189313	7.011430975	8.371336555
9.56241577	7.694516014	1.242757277	0.376969945	4.182548408	8.468452088	9.281797025
7.853848113	5.146379999	1.52609176	0.535067051	8.4008759	4.753136264	7.354553761
7.724313763	5.35379993	1.442772211	0.466009975	7.215953972	6.514501381	7.833270374
10.67403954	0.035465821	300.966941	2.016589977	38.81993168	4.699074207	8.950672971
9.616668658	3.726899149	2.580340458	1.489627294	22.77186174	5.622513911	7.791597361
8.807607148	2.408550809	3.656807702	1.030791772	18.9435954	5.494363397	8.566541115
8.08084559	4.915507134	1.643949519	0.758005701	12.03062741	5.27597148	7.47001382
8.059505365	4.66664573	1.727044612	0.812686185	12.83527759	6.555028112	7.649606549
5.303326418	0.919218789	5.769384267	0.785155834	23.71742347	3.363453127	3.550009846
4.769247476	1.079206626	4.419216266	0.574461785	17.63321744	3.226496782	3.758427976
9.400269899	4.412212593	2.130511552	0.895516177	11.7712547	7.971421447	9.798503933
10.38006077	7.602226821	1.365397404	0.527085685	5.691296688	9.48272208	10.74928346
7.708924238	5.233119636	1.473103	0.500990262	7.399625159	7.14682361	8.933507857
8.21987839	6.262718569	1.312509623	0.399967148	5.337641843	7.408923809	8.204555067
9.232442895	3.265943813	2.826883567	1.29007482	27.04743815	5.684629114	12.29717777
11.41292302	2.344301685	4.868367876	2.382214535	38.1536536	5.406125411	10.5081006
7.71755804	5.875006071	1.313625543	0.402477344	5.978122591	6.516111826	6.980492114
8.524293604	6.883868942	1.23829981	0.372382784	4.718504372	8.21969637	9.219300514
8.809445418	6.693893074	1.316042148	0.478683394	6.222728803	7.884951841	9.070968767

8.548981135	6.704932706	1.275028626	0.419119152	5.504521778	7.399066128	8.604643161
7.398930909	5.21008431	1.420117309	0.422098001	6.844341973	6.185122389	7.445939735
8.031600997	6.469025832	1.241547214	0.29041389	3.899248397	7.41412823	8.363316605
13.7385951	4.052733917	3.389957342	2.207211644	33.94286225	6.521782477	13.39162196
5.543909517	3.77247337	1.469568894	0.320308955	6.850609895	4.958698392	6.881439309
8.633646125	1.307391174	6.603720674	1.092557944	21.75845491	6.790472099	12.71731034
5.178288195	3.528097132	1.467728354	0.342518294	8.0413926	4.243973963	4.978162674
8.29815332	5.053662239	1.6420079	0.549005763	8.349210263	6.271680773	8.104327601
7.053113005	2.334729678	3.020954876	0.899150488	17.9131921	5.633387246	9.12679221
7.929894308	1.108830518	7.151583745	1.018616808	25.17985445	3.789992836	4.545230748
11.63247643	7.419607632	1.567802101	0.868688068	9.326293927	8.947096396	10.59594751
7.82568126	3.631736854	2.154804044	0.877061695	16.32826228	6.763012169	9.06109425
9.751958268	7.442737294	1.310265012	0.513039052	5.710277302	9.051559987	10.21877853
6.406361694	5.049018166	1.268833164	0.289785728	5.161718639	5.263230495	7.276818714
9.07105373	6.842782818	1.325638117	0.470607504	6.003817397	7.208366957	7.915653949
8.121011103	0.441107068	18.41052137	1.12930816	26.21798718	5.109456112	9.124191639
7.003580679	3.757045039	1.864119436	0.735733337	15.70316795	4.639924494	6.185672027
6.182374817	-0.010876093	-568.4371218	0.768730073	16.33797194	4.908242449	7.544219749
9.504713067	6.911820418	1.375138891	0.577250928	6.888943368	7.66759045	9.477313922
9.03945228	5.994065203	1.508067059	0.708759651	9.468103816	6.825307035	8.123615711
7.650686827	-0.973165073	-7.86165373	1.359190023	26.42045652	3.762515881	5.406167084
8.270162267	5.672448518	1.457952812	0.578926696	8.183853529	6.128768398	7.558802877
8.107281237	4.670623409	1.73580281	0.635493802	11.16558703	6.511327308	8.707761008
8.12071787	4.957906328	1.637932896	0.757419475	11.52043035	7.929343012	9.636831339
7.137757633	4.905380835	1.455087357	0.420115708	7.073415671	5.688419374	7.79619995
6.951691068	4.452360986	1.561349381	0.601068535	11.01832788	5.299857842	7.798644156
7.576969129	2.905311735	2.60797113	0.927670336	20.710493	4.005235466	6.456337385
6.131312275	3.435680715	1.784598973	0.432133922	8.744677567	4.883908868	6.114369326
5.840700708	1.274188481	4.583859293	0.699387245	16.38508263	4.302418992	5.510731863
7.154752274	3.843510482	1.861514963	0.792564954	14.82546616	4.55794679	7.193839973
4.919945031	2.507266511	1.962274456	0.482160136	12.46417864	3.938654664	5.531220527
6.602995691	4.677964336	1.411510481	0.383043784	6.583446827	5.45501936	6.313215538
9.942343508	7.161971789	1.388213163	0.416749818	4.706394838	9.488217535	10.7729152
7.452293635	4.128506132	1.80508237	0.649926221	11.68938213	5.03580643	6.136205421
10.09508203	2.403937543	4.199394473	1.252018229	17.08028651	5.219443043	7.733536193
7.138121846	3.205521381	2.22682085	0.616545538	13.40985304	4.267894804	5.372665862
7.384641267	3.078598254	2.39870248	1.07866687	20.97341122	6.39256896	9.089216646
4.899146726	2.683654697	1.825550333	0.396150484	9.890311215	4.152223355	4.798556295
8.381539059	2.748076168	3.049966066	1.089291959	17.84146356	4.728115811	7.03812752
7.08342201	3.007311074	2.355400501	0.777857527	17.22886171	4.670435503	6.781235897
7.679916575	4.307189661	1.783045832	0.588215052	9.48223913	5.659115276	7.021179339
8.912229422	5.033747539	1.770495909	0.793441074	11.70527747	5.1659075	6.46932976
4.813380568	2.809533084	1.713231496	0.33668668	8.789536599	3.921182675	4.489586242
9.307039877	4.643739237	2.004212425	0.885431669	13.84871887	5.292574115	6.649156509
4.068136535	1.904819054	2.135707602	0.384504857	11.74238	3.244429832	3.923390707
6.466999112	2.845026024	2.273089616	0.610763545	14.60420111	4.208819633	5.080410533
7.964233472	3.679077342	2.164736626	0.879430724	16.76198451	4.340574937	5.119226493

9.877525902	6.558271353	1.506117294	0.544334463	6.829249966	7.857029742	9.532797694
8.092165244	3.241269076	2.49660397	0.692748687	14.76910429	4.368779988	5.017569265
8.981005242	4.566677422	1.966638852	0.856098071	13.32301134	6.058800346	7.485788076
5.685369657	3.250549418	1.74904883	0.400287021	9.596105502	4.383689925	9.334198362
7.425925383	4.629653726	1.603991534	0.597811214	9.693672179	5.322084463	6.286732774
7.525002402	2.121552173	3.546932523	0.928030322	23.17944948	4.382415147	9.585802687
5.560144247	2.743020231	2.027015399	0.394416368	9.583270492	4.072051195	4.4557488
10.94496476	2.68760411	4.07238727	0.978218124	19.46576011	4.941115822	7.516355722
6.202184996	4.023698482	1.541413956	0.369357115	6.855471135	5.237840971	6.5626864
9.204025335	2.865457072	3.212061847	1.404435948	22.14886603	5.390742909	7.921783566
6.859172654	3.141098052	2.183686259	0.602844473	12.68934666	4.679638767	5.500792939
5.671590412	3.150695564	1.800107404	0.460252099	10.98276695	4.087710736	4.585457705
7.13060958	2.907451636	2.452529044	0.611502331	12.30313683	5.325456023	6.911116905
7.119830744	3.091348584	2.30314717	0.78538631	16.84429904	6.133740129	7.891326141
6.591492731	4.565671135	1.443707296	0.394251174	6.843462148	5.461391864	6.783436696
6.705661058	2.262121561	2.964323922	0.799538036	15.13203486	6.15719503	8.836069934
6.625312379	2.822396452	2.347406713	0.67752199	14.94677519	4.400001547	5.689947547
6.689578407	5.103113694	1.31088171	0.375035723	6.28608212	5.772599531	6.410142203
5.402059765	1.708516557	3.161842208	0.547122477	13.39229178	4.06885733	5.851240538
4.899036399	2.199462962	2.227378448	0.468033352	11.94296365	4.038110925	4.526570574
9.174113907	4.93811773	1.857815955	0.680719644	10.26754169	6.614190436	8.752446469
5.031963782	2.467393222	2.039384617	0.364001339	8.836931947	4.167057189	4.647337974
6.0234688	4.613122556	1.305724859	0.276847647	5.042812746	5.534270977	5.964109264
12.05622329	0.716971801	16.81547765	2.304033544	43.68827871	4.172803556	6.655115129
5.815581835	2.91105505	1.997757423	0.564173701	13.55606965	4.168254089	6.610392455
9.148163768	2.528485513	3.618040807	1.006885948	15.65149136	4.364861244	6.635688614
8.386499502	4.015565683	2.088497652	0.972657366	15.36931323	7.045310766	9.346794137
6.136243394	2.144474585	2.861420432	0.518010889	13.48570298	3.792175891	4.432576506
11.4160658	6.453879378	1.768868788	1.032902403	11.32485152	6.966171385	9.793031429
8.804004166	5.779796269	1.523237802	0.560328768	7.875413435	7.250588918	8.413159119
11.12347642	3.214539871	3.460363493	1.667725264	24.29047765	8.006969379	10.93174694
5.250854026	0.786748595	6.674119354	0.630654935	17.67924465	3.569506333	4.761293696
5.939824777	1.884967865	3.151154397	0.732732474	17.28171823	4.201287848	5.174864519
6.86598762	3.284261797	2.090572568	0.841130792	16.52597381	4.817437127	5.963189386
5.836990864	1.782489972	3.274627603	0.575946329	14.52731015	3.906194849	4.997086665
6.551482414	4.123868664	1.588673876	0.537183111	9.787284646	6.300409243	6.938063622
6.605590255	2.891799281	2.284249221	0.816126058	17.76250748	6.258750593	10.72920493
8.336050496	1.854145416	4.495898986	1.1537609	20.53739716	7.205964445	8.40421412
9.192910752	2.504243058	3.670933906	1.161558746	23.44951096	5.035788911	7.464752727
13.70690696	1.613665389	8.494268422	3.01915306	35.95246974	6.440329333	13.1541404
11.13753632	4.29734452	2.591725256	1.51807687	17.66265016	5.906267286	8.535156946
8.767510027	5.774984062	1.518187744	0.638423053	9.055738398	7.360219958	8.160895626
8.216567266	5.244494346	1.566703427	0.540872667	8.38893807	6.864416891	7.818653296
9.799837874	5.652295866	1.733780061	0.754386229	9.27350234	8.445500259	9.768934824
8.122682411	5.850803827	1.388301958	0.449960712	6.673841187	6.843517609	7.582646983
6.656612229	5.031115699	1.32308868	0.336341972	5.661058655	5.936312396	6.590511397
8.649412028	5.690099912	1.520080871	0.479612504	6.428109901	7.372387822	8.014235639

7.938836024	5.166189808	1.536690737	0.409049518	6.433781239	6.874586144	8.176760203
7.038953542	4.942922858	1.424046813	0.318477149	5.083053641	6.315446351	7.08158723
7.107145834	4.657454051	1.525972292	0.556583979	10.13710441	6.2966603	7.151804902
8.075585646	4.385987945	1.841223858	0.748874697	11.06767208	6.68257909	7.839668893
6.761238338	2.952560067	2.28995793	0.66840924	12.17654834	6.007879243	8.710301181
7.387076706	4.652486866	1.587769492	0.399808956	6.749122926	6.193316511	6.671422452
7.219622468	4.753427395	1.518824601	0.493351389	8.409201123	6.136457099	7.520486934
10.38073115	6.75301595	1.537199265	0.767004472	8.746658472	7.77313564	8.875451188
11.11899046	7.50481328	1.481581226	0.500650683	5.703555653	8.084350595	9.150583471
6.768038986	2.865893499	2.361580773	0.816268726	17.39034289	4.514324011	7.273031611
9.093410124	5.596189167	1.62492901	0.699286874	9.857603374	6.660075331	8.155071697
7.655340786	4.641683893	1.649259399	0.520048465	8.430486309	5.970138151	6.557764439
6.880996795	5.004622917	1.374928123	0.399018561	6.887875508	5.974978228	6.985105031
5.5352219	3.186065634	1.737321994	0.388972755	8.647670514	4.495355147	5.222566123
7.57982451	5.33614336	1.420468679	0.438708887	7.034415961	6.266608834	7.073983063
8.244807325	3.691455271	2.233484282	0.885045261	16.30645947	5.527134716	7.035261069
7.711590926	3.603288083	2.140153867	0.681346169	12.82156795	5.051922117	6.198345703
8.634669378	5.892510499	1.465363427	0.472933247	6.655635701	7.052888624	8.582368137
9.417364838	6.544648175	1.438941344	0.43466	5.551392682	7.975291668	9.356714989
8.181978739	6.114913879	1.338036627	0.525161783	7.34981379	6.70613141	7.959361734
10.40448466	5.999204392	1.734310749	0.713920715	7.769177195	8.374904717	9.109330562
8.308782546	6.417240471	1.294759419	0.451266243	6.075580717	7.100987331	7.792167059
9.458973067	6.500906871	1.455023623	0.530403062	6.301745847	8.161158058	9.179358139
8.899439203	4.465858818	1.992772178	0.713179909	9.634761	6.951116468	7.872849577
11.31487094	9.003052852	1.256781574	0.471823168	4.640084799	9.958801702	11.12979117
9.384707423	7.578073723	1.238402761	0.353702789	4.103776769	8.426629856	9.426499273
7.995447475	5.714582187	1.399130717	0.406610796	5.669511289	7.160122645	8.277281047
10.61280004	5.769438439	1.839485792	0.648042275	7.875987036	7.832599753	8.765227419
9.27109084	4.327050108	2.142589202	0.89401765	14.14373143	8.259263382	10.34077716
6.706316084	4.663228469	1.438127282	0.516439918	9.238651686	6.397529991	8.187998765
8.440976232	5.905281316	1.429394432	0.491649609	6.879535019	8.132762269	9.280869345
8.311571703	6.358401943	1.307179348	0.49038195	6.686176864	7.797255471	9.369744655
6.957415108	5.453929034	1.275670267	0.351498464	5.653349201	6.485460787	7.474729361
10.92017455	8.952044688	1.219852552	0.393229505	3.907359438	10.51650647	11.75333747
9.28916927	4.774002172	1.945782372	1.098253771	17.39371916	7.690312048	10.1436981
9.082267314	7.326231677	1.239691524	0.333448904	4.034552739	8.42307927	8.952790249
7.188800367	5.650277134	1.272291641	0.291751592	4.553326141	6.722436584	8.257525307
6.925521453	4.972878638	1.39265845	0.401362771	6.951347672	6.203916461	7.336181602
6.394826537	3.632353125	1.760518958	0.508091552	11.3917607	4.327226081	6.060110762
6.409321939	2.616213783	2.449846409	0.5306129	11.59329209	5.246730389	9.083054538
8.843835961	4.199741801	2.105804685	0.9950847	13.82972368	7.063438348	8.071860225
10.87509517	1.392239446	7.811224717	1.750248355	23.5928171	7.608873128	9.699066806
6.058290722	2.776953459	2.18163207	0.478150248	10.37872686	4.564123211	5.777335469
9.014781198	3.013594506	2.991371659	1.335186893	26.90920381	4.68147382	8.489436088
6.296512765	3.626007883	1.736486232	0.598237367	11.13414233	5.613880466	6.889909978
7.041457986	5.501990824	1.279801841	0.325652877	5.057147327	6.521538137	7.228744573
6.51875685	3.574202921	1.82383513	0.43360035	8.409128383	5.163431395	5.98200971

7.445434444	5.380488143	1.383784193	0.348193396	5.511513056	6.431977825	6.928828278
6.883237145	4.676259639	1.471953586	0.469514352	8.404631538	6.655086455	8.161256134
7.707742057	5.858303114	1.315695331	0.426682943	6.483770528	6.042713138	6.966462966
7.802948201	2.367132285	3.296371838	1.051913059	19.3301376	4.879749046	7.067928369
10.17316118	7.137077311	1.425395963	0.823020579	9.450186022	7.58229891	9.307720818
4.581438395	2.480860486	1.846713437	0.397918598	10.93135204	3.623621027	3.809522365
12.77094546	8.733488364	1.462296041	0.77886146	7.19255387	10.21868359	11.83672733
7.412211575	4.889175844	1.516045201	0.404277729	6.493660278	6.48666947	7.430195939
6.430193393	2.803563914	2.293578313	0.837195747	17.1075439	4.33919675	5.741375686
7.444316001	-0.99538645	-7.478819909	1.146015855	28.45992826	3.707430206	6.402633847
8.600338104	1.270454797	6.769495557	1.256519238	26.31168729	5.345692732	8.15645441
9.27995763	3.035835068	3.056805598	1.425313741	23.54811721	6.78970775	8.879809503
6.210323514	2.67160598	2.324565658	0.537342875	12.40057478	4.185088189	4.40044111
11.39376069	2.003598419	5.686648869	1.852090162	22.0910916	7.418839934	10.90479628
11.13065037	4.330365352	2.57037212	1.700308917	20.63633392	5.699138312	9.826778583
8.115255395	5.116427775	1.586117454	0.521377176	7.670832949	7.254084541	7.963572944
12.43714789	3.190295828	3.898430915	1.839831085	40.77040048	3.562693874	4.307723556
5.91845624	1.897626814	3.118872582	0.64374774	16.33783983	3.816474994	4.523589981
7.957000422	5.866512616	1.356342506	0.393729662	5.880371094	6.956662942	7.956668795
7.822561634	5.253669501	1.48897102	0.384498935	6.300403252	6.199007305	7.114873453
7.06044122	2.152153717	3.280639837	0.850706263	18.31708054	4.7712096	6.130642206
9.125764454	4.955887877	1.84139849	0.690324123	11.14633787	5.338808943	8.507377554
6.040534175	3.947261969	1.530309927	0.379153138	7.518170722	4.892195446	5.849555187
8.612159988	2.517283255	3.421212122	1.073279124	16.87880006	4.893257456	7.327016564
10.49606664	2.570503546	4.083272577	1.113802311	25.83383863	4.07246525	5.403880481
8.788157798	5.448205034	1.613037274	0.592724671	7.708739197	7.924782697	9.208544381
9.8333152	5.233778138	1.878817738	0.845802455	13.3866272	6.466029952	8.013304304
7.643147367	5.276484772	1.448530167	0.505695118	7.943832778	6.073188402	7.231657087
9.820363977	5.742461244	1.71013152	0.798995022	9.733007305	6.868160845	8.344521773
11.22003424	9.692389016	1.157612867	0.276317408	2.639306993	10.7015916	11.28613815
9.085448595	6.421064063	1.414944393	0.428073024	5.245824019	7.942808929	8.773102699
8.198432494	6.268290155	1.307921665	0.369580136	4.821047143	7.417809573	8.174352099
7.968668822	6.0321969	1.321022665	0.392344413	5.555473389	6.422835915	7.287807595
7.693986822	5.121413002	1.502317196	0.423962976	6.702918421	6.504794405	7.558826594
8.951605303	6.458902427	1.385932889	0.450485862	5.79570345	7.649407093	8.524897778
8.470889692	5.254639789	1.612078093	0.720857703	10.40636292	6.125710455	7.193421656
7.486136325	6.094928484	1.228256631	0.273366173	3.922794599	7.14437603	7.715834373
9.54896314	6.851644219	1.393674691	0.410048306	4.824714835	8.481157088	9.178341372
7.918729655	6.234250235	1.270197595	0.348718863	4.914890357	7.009799778	8.250064786
8.251200838	5.398322482	1.528474978	0.607377459	8.852661545	7.043672544	8.162118868
9.150658918	5.985599681	1.528778971	0.529903675	6.550641444	7.847358104	8.879569356
11.09112203	8.967376435	1.236830204	0.425576812	4.333617678	9.438608702	10.78236671
13.15668293	8.931870562	1.473004209	0.650882326	6.450600522	10.26155743	11.58113344
6.086005982	1.616009706	3.76607019	0.767363081	18.36913898	4.26828554	6.59667116
11.30710364	3.163230871	3.574542644	1.603380269	33.99534399	4.976426861	7.715967464
8.249104397	5.322236727	1.549931884	0.465765805	6.924848029	6.69087286	7.641310668
9.680187354	4.53565189	2.134243894	0.860630671	11.13421392	8.049044102	9.274356314

7.828050633	4.442887744	1.761928521	0.950678674	15.66040941	6.718955433	7.628111087
8.608635071	2.26394011	3.802501237	1.281405578	21.31091562	4.762986686	6.643668193
6.701449359	2.186783406	3.064523601	0.594116217	14.91214406	3.952389781	4.817402763
10.08959736	5.763110264	1.75072086	0.886406115	10.82486819	6.808628911	8.225217435
7.511803227	5.93153329	1.266418455	0.393715066	5.844499939	6.330941541	6.936842804
8.851412183	6.994753837	1.265435838	0.398216308	5.071807449	7.666318386	8.327541278
9.304226928	3.918772168	2.374270952	1.023061657	16.86219845	5.329374444	7.949618222
8.210081472	4.805087269	1.70862276	0.546453944	8.802321909	6.309258144	6.996865489
8.552831239	5.92883992	1.442580902	0.589084315	8.132576547	7.57845077	9.30164451
11.47758146	5.482878121	2.093349735	1.264198233	16.48321489	7.059413614	9.264775469
8.649317987	4.81114402	1.797767423	0.682804569	9.092178233	6.88908668	8.330904157
7.753842449	5.368984332	1.44419167	0.3770204	6.152106812	6.552926748	7.712742042
7.134326378	4.696991594	1.518914019	0.461916872	7.6602652	6.697225822	7.913410841
7.159532349	5.403131962	1.325070792	0.42765701	6.847275522	6.010148149	6.78313176
7.531267717	5.193494365	1.450134955	0.490205384	8.127982281	5.334438665	6.452010015
8.687219556	3.495674211	2.485134206	1.038158789	16.63170133	4.507115132	6.65298024
6.88817574	3.721050483	1.851137406	0.560527587	11.12810993	5.162730451	5.946036081
7.514847597	5.135192893	1.46340123	0.506676164	7.863788231	5.358241296	6.309837884
5.556593736	3.382393108	1.642799509	0.370949702	7.617425866	4.81847041	5.429132418
9.198279592	2.896849919	3.175269638	1.11166851	18.4941821	4.747237919	5.788072774
7.663519703	4.757095309	1.610966189	0.558413873	9.295352666	5.822628794	6.886446051
8.294099923	6.006921302	1.380757214	0.402242089	5.595976075	6.883845696	7.664996705
7.725075755	2.461432946	3.138446557	0.760428257	11.69559261	6.405476936	7.670985497
9.06752737	4.594783964	1.973439326	0.732444713	10.22046601	7.990496768	9.09672189
7.809930247	5.986824301	1.304519701	0.37850342	5.616256966	6.72141434	7.811398821
7.913136944	2.512261785	3.149805881	1.111724426	24.81984658	6.910185889	9.489048361
8.183641739	1.259830203	6.495829134	0.983365189	20.24062388	5.047075405	7.231843904
6.772678232	4.355552929	1.554952573	0.507868729	8.512426621	7.077931223	8.40129108
8.992020323	7.084248485	1.269297702	0.423411863	5.307011878	7.96472918	9.091181272
6.922071551	1.258445596	5.500493286	0.74001435	12.29030972	6.281299216	6.998906067
7.852629331	5.723387561	1.37202474	0.492381491	7.213864253	6.889768459	7.958290449
5.238324271	3.588942105	1.459573355	0.310452117	7.006822007	5.153232645	6.635995883
8.06861094	5.942350659	1.357814677	0.412540064	5.711658	7.628090142	8.243530458
6.995597314	5.275327134	1.326097347	0.412639045	6.696143822	6.532042034	7.780301542
7.75236854	5.135008454	1.509709012	0.532382911	8.61036841	6.54764974	7.587238287
8.36820204	5.356703714	1.562192439	0.665363112	9.945927764	6.650635747	7.454387131
7.116386518	3.612204193	1.970095304	0.64336335	12.14826881	6.379720926	8.452922835
7.656168628	4.808148178	1.592332088	0.589231054	9.2671434	7.056568194	8.288043277
9.749275796	6.431968659	1.515753001	0.574836647	6.67628468	8.343026892	9.518078946
5.951897561	1.469778129	4.049521111	0.71579224	19.24697264	3.432857794	4.0422234
8.140033857	4.520578539	1.80066197	0.683895394	10.50777105	7.226741919	8.177477003
6.828450578	2.440587485	2.797871668	0.75158455	14.55742245	5.19754236	6.620919377
5.305221712	3.464851051	1.531154337	0.337516815	8.064544881	4.075239228	4.781283193
5.899533015	3.084244063	1.912797072	0.549663579	12.27076581	4.625066326	5.334428839
10.00461364	6.32448627	1.581885581	0.683333559	7.906470336	8.710907076	9.744341477
8.636529924	2.072681742	4.166838424	1.691618816	31.87120005	3.920533276	8.77130479
6.107884351	2.201308255	2.774661086	0.511983606	11.77061743	4.393583846	5.376802616

6.36948966	2.263648608	2.813815553	0.617716355	12.98869039	5.1440127	9.002584761
8.1071903	-0.915398427	-8.856460812	1.273293023	36.96385389	3.585098519	5.124528694
6.048878489	2.425752603	2.493608986	0.577643975	12.78681004	4.418266215	5.020286284
7.923598325	5.991150247	1.322550428	0.403648016	5.687567398	6.471944911	8.1055654
6.646645264	5.220938775	1.273074738	0.315384748	5.436332884	6.138619071	6.672075478
8.668949291	5.925962666	1.462876123	0.453489508	6.309868974	6.926602645	7.743493953
7.545715064	3.986816173	1.892666914	0.599144009	9.984683295	5.602239535	6.628288028
9.536098837	7.668103275	1.243605947	0.428668488	4.846156155	9.128330786	10.24384546
7.36580164	6.117108477	1.204131277	0.247403335	3.554127393	7.068755675	7.513028864
7.733033027	5.484034432	1.410099284	0.402039316	6.072450363	6.689474852	7.516586096
8.120683505	4.606672375	1.762808996	0.577499648	8.286614283	6.489280339	7.755591335
8.434609669	5.062053758	1.666242611	0.776924979	11.43218807	5.535553462	7.240090605
8.297460433	5.51316291	1.505027254	0.458708119	6.399752808	7.032409137	8.363543404
5.790405613	3.570694583	1.621646847	0.476032943	9.811483544	5.077607936	5.861376743
10.12930988	8.294968517	1.221139038	0.388273277	4.152402308	9.313872211	12.22962799
11.67170568	6.994435673	1.668712992	0.817510345	9.167715703	7.107887611	8.841049619
7.932023891	4.785117322	1.6576446	0.674045371	10.93403356	5.160122101	6.262851503
8.987174294	5.681168605	1.58192353	0.571255723	8.050432713	7.092168397	8.969273581
6.689344585	4.684584759	1.427948245	0.361404707	6.028085018	6.16088341	6.759313144
8.203673817	5.869574356	1.397660771	0.464941359	6.410916831	6.738764182	8.35000438
5.958654832	2.879107382	2.069618824	0.593194339	14.05077722	4.089470143	4.22179299
5.521818739	3.606909542	1.530900255	0.345058707	7.815726694	4.450147204	5.329344793
5.599828437	3.106401259	1.802673889	0.469685011	10.5067012	4.56539437	5.38771679
8.476650915	4.720053884	1.795880116	0.673605307	11.13233673	5.902948708	6.690678682
10.2484646	9.056559033	1.13160689	0.266600073	2.756104067	9.91664488	10.54151022
7.817608141	5.360690743	1.458321048	0.468369001	6.909727155	7.311998333	9.026503023
7.908301595	5.479292116	1.44330717	0.519257211	7.598726829	7.538535124	9.238802048
4.768656864	2.171658826	2.195859131	0.448166278	12.27806289	3.665931451	3.900681234
6.939043169	4.322762844	1.60523337	0.530631241	9.200727806	6.277827947	7.913935919
8.49594064	6.375173083	1.332660389	0.379290144	5.372670771	6.882563944	7.914575451
8.069902061	4.793341698	1.683564947	0.650887696	11.12699358	5.748415777	7.714817446
7.001595728	3.82611829	1.829947534	0.65028316	11.79604578	4.646894252	5.822222199
8.034415123	6.344329167	1.26639317	0.349341959	4.989987513	7.100722991	7.889116138
7.092897039	4.730738344	1.499321358	0.497864451	8.394523615	6.489120451	7.369730469
9.699479883	6.240283307	1.554333258	0.623038957	7.279940809	7.935048804	8.776774908
9.823657339	7.523724878	1.305690665	0.362295828	4.22505005	8.737133568	9.458077475
6.93423168	5.453033665	1.271628254	0.331517257	5.341509968	6.264867599	7.23251095
10.87304772	6.150406368	1.767858426	0.885208161	10.86226617	7.832030333	9.314082858
6.843097574	3.343137151	2.046909015	0.573145999	12.16335126	4.465976192	5.012974579
6.723487277	5.315603495	1.264858691	0.295481092	4.848600656	5.878498032	6.396468239
7.095614287	4.023228101	1.763661942	0.603736383	9.811949671	6.039721728	7.141019585
7.766198525	5.284903782	1.469506134	0.560039664	8.330483571	7.006438536	9.275979982
8.189719699	5.532816039	1.480208205	0.574361667	8.523872353	6.057149736	7.309518378
7.275899716	4.292216695	1.695138021	0.55518726	9.417030361	6.027225921	7.20853737
7.146654412	5.597511162	1.276755723	0.330650854	5.132983814	6.153611394	6.950583998
6.660630665	2.684947571	2.480730252	0.772167024	16.06320337	5.068278907	6.762523413
7.533403386	4.791410262	1.572272666	0.552297126	8.661026959	6.596276621	7.397896989

6.785450864	5.483758459	1.237372309	0.277827505	4.488320273	6.58087907	8.02133563
8.12306412	5.793961584	1.401987915	0.464038954	6.357911694	7.480584021	8.929556169
11.29780828	-1.183793435	-9.543732838	1.883252733	41.51716594	3.782187974	7.371625197
8.270580468	4.674809987	1.769180029	0.82208632	12.18892489	6.996896581	9.403456104
6.986587541	5.072166491	1.377436556	0.395547967	6.770790671	5.459683279	6.698923104
8.622218568	5.522436653	1.561306921	0.637864624	9.066943346	8.123095896	9.647892121
10.05828236	7.458780599	1.348515648	0.562810052	6.333455785	8.321177245	9.673067444
7.588283168	5.879597992	1.290612586	0.315650509	4.594448452	6.839138	7.486321883
10.99846753	8.818834434	1.247156596	0.424918961	4.319740001	9.471657741	10.49634609
9.008198183	2.782739104	3.237169511	1.273526755	23.32943889	3.851285095	5.646962516
8.078153107	6.224788993	1.297739267	0.395615585	5.376649811	7.824456266	8.875614098
7.698219325	4.943363913	1.557283554	0.509040038	7.990865332	6.324378975	7.364450694
8.979979957	4.197354808	2.1394379	0.857053799	13.03326751	5.927864668	7.296629382
7.57551785	4.000109892	1.893827434	0.649515761	10.3623547	5.700158017	6.906290747
6.02666826	2.992710883	2.013782319	0.534497118	11.80170972	4.540146872	5.067061432
7.480206559	3.24272814	2.306763391	0.749187835	13.18258369	5.722918858	7.121658039
7.594786655	4.455162416	1.704716	0.533338132	9.270300226	5.732975096	7.436062779
8.372205342	6.081030282	1.376774157	0.412577335	5.717372546	7.232641874	7.641543702
6.621221828	4.979784671	1.329620107	0.338068603	5.896874101	5.834785101	6.367007527
5.48423674	2.049820716	2.675471419	0.511274604	10.99164564	4.658622252	5.391733608
8.026579316	5.615437539	1.429377366	0.43052028	6.178028308	6.97926783	7.799019337
7.741759147	2.829073432	2.736499894	1.08419941	24.57596451	3.956444124	4.893163647
7.216155077	4.892639416	1.474900246	0.427833189	6.819677221	6.337387684	7.069690935
7.096148907	3.033390053	2.339346007	0.971220792	19.99508447	3.625069911	5.722441643
5.092596677	1.794174079	2.83840723	0.477165566	12.5870293	3.55984843	4.247623438
7.828757454	3.864644475	2.025738074	0.977012331	18.13073172	4.973361155	6.954220053
6.705864574	4.228127475	1.586012866	0.461061405	8.268701639	5.700143302	7.717196663
7.304025266	5.198865378	1.404926794	0.486275905	7.642759154	6.563847354	7.432023687
11.23387061	4.396628204	2.555110437	1.219487849	16.96310682	6.342374508	10.10558393
7.843092848	5.527406826	1.418946189	0.532524847	8.08690388	6.426455703	7.188097318
7.72472517	4.96427148	1.556064208	0.534818896	7.788855272	6.462195305	7.297948696
6.963740965	3.449934996	2.018513674	0.637166036	10.66577279	6.967657065	8.304117869
6.844221517	5.260162174	1.301142682	0.338364954	5.59234236	5.99841185	6.491441109
6.209442121	2.683824802	2.31365405	0.531563768	11.83011462	4.435031295	7.666361763
13.16798965	3.289801896	4.002669482	1.608799358	27.47405366	8.790949377	14.5166866
8.643200405	4.343255752	1.990027965	1.035470274	16.51508626	5.18322262	7.048055614
6.296770792	1.353104515	4.653573114	0.686067457	15.04659003	4.567163229	5.401234701
8.187397624	2.996715805	2.732123484	0.756485723	11.38884711	6.022934845	7.4263472
16.37378424	3.156107724	5.187967482	3.097934068	37.15827905	14.40406863	17.39456369
7.687225514	3.902197302	1.969973561	0.951224179	17.33138102	5.657722584	8.140905195
7.840746362	5.036602159	1.556753167	0.593052207	9.724328277	5.323661535	6.244940749
10.4407334	6.512086797	1.603285356	0.836574524	9.932877539	7.38070266	9.147825608
7.024931259	4.086427244	1.719088788	0.65087344	12.67658402	4.841769805	5.874390464
7.610400893	3.763752051	2.02202504	0.7210221	11.95008033	5.276081432	7.138223027
12.64444308	7.495551558	1.686926303	1.124457637	10.8777354	6.968815976	9.611114388
7.914438605	4.895188796	1.616779032	0.540595804	8.189523301	5.974673234	7.445738001
5.309115154	3.168027823	1.675842338	0.356664636	8.328460192	4.159768738	4.725389273

9.861230722	5.936700852	1.661062426	0.847833537	10.97509491	6.642822848	8.260523867
9.917678413	4.625151359	2.144292725	1.135111561	17.777565	6.768686199	8.720119245
6.238268471	2.556900491	2.439777572	0.632496409	13.82695504	4.614733321	5.79982562
9.386950649	5.10960097	1.837120101	1.1480196	16.62796844	5.292145126	8.325243836
6.247414746	2.190290512	2.852322425	0.702321713	15.90616376	4.444093642	4.937947753
7.364251386	2.617925451	2.813010349	0.888389381	21.34699307	3.826956429	4.970041593
10.5369279	2.992556283	3.521045856	1.524584413	21.59304166	5.826364467	8.597051463
8.607597188	4.167859051	2.065232313	0.913370588	13.63978919	5.227967905	7.378969066
11.43246223	5.540114423	2.063578719	1.289584438	14.09633084	6.203662886	9.938440476
8.685748038	4.638979335	1.872340317	0.822677505	12.56885458	6.616046038	10.10934203
10.60480882	1.27219006	8.33586832	1.703080129	29.12715877	6.819896943	10.94190528
8.822131123	5.397420687	1.63450871	0.670757958	10.31431651	6.167120264	7.944301611
4.615201108	2.953310101	1.562721472	0.303047448	7.845546137	3.809972827	4.764997988
9.640978195	2.92796176	3.292726813	1.08626497	21.89316642	5.174020107	6.126912799
10.49915731	5.282630904	1.987486444	1.205723731	15.0748487	7.35697497	10.84979998
10.21058608	6.742328384	1.51440059	0.653552348	7.545657121	8.594308957	9.611022951
10.91106657	5.726170376	1.905473615	0.708319173	10.37447176	6.908890808	7.643536195
8.034191488	5.784694913	1.388870391	0.353365302	5.271687893	6.860210278	7.553050058
7.918977254	1.905338998	4.156203836	0.997760786	15.6183832	6.720861555	9.555710842
6.677730543	3.890969659	1.716212443	0.679875702	13.28779917	5.450142704	7.118097817
12.42023681	9.519918885	1.30465784	0.728567049	6.629761809	9.339749574	11.19881684
10.81502182	7.273460621	1.486915567	0.724146951	7.879559877	7.664856874	9.637645661
11.09639587	5.591696229	1.984441824	1.259292672	14.12249182	8.486761281	11.20032417
9.484154059	6.373018467	1.488173008	0.566177068	7.414195092	7.908668728	9.301586558
9.345201364	3.833769217	2.43760144	0.943242211	14.16579863	5.148778628	8.156380572
7.408854389	5.264827138	1.40723602	0.461753213	7.30702317	6.494879136	7.939339976
9.333433295	5.921994693	1.576062421	0.570265161	7.105599389	8.288339226	10.84130281
7.556418911	3.50865864	2.153648926	0.7731033	15.86614664	4.619145173	7.343826437
7.025938052	4.845370268	1.450031197	0.46789494	7.889235647	5.711939558	6.892083621
10.14144724	4.366245297	2.322692967	1.147902241	18.70682409	8.167761099	9.928898499
7.390877841	5.320314607	1.389180601	0.427915109	6.87004433	6.59725586	7.811965377
6.14658084	4.467904301	1.375719001	0.369186581	6.96021729	4.562814346	4.997123102
7.591592588	1.461048049	5.195991052	1.467354139	33.58627848	3.613213728	7.448006777
7.524666864	5.825961642	1.291575078	0.322110853	4.945780351	6.236944913	6.733707914
8.992353375	5.897889898	1.524672981	0.588118691	7.635879454	8.487332121	10.20290416
8.160393113	2.61835509	3.116610556	1.2324197	19.92231005	3.940271074	6.266836291
10.5205835	4.69485422	2.240875437	1.294259434	16.61980435	5.614279227	7.163454817
6.692421062	3.222397966	2.076844987	0.945958471	18.21376095	5.476899581	7.114480962
9.242204037	3.444272781	2.683354259	1.014858568	16.82436076	5.662965616	7.423722054
4.899074045	1.97531036	2.480154078	0.484019304	13.52750329	4.105869133	8.019162818
10.42803208	3.332741981	3.128964722	1.489915394	24.49775938	8.018482284	12.60640672
10.04303908	-1.131523401	-8.87567952	2.019747546	47.68431847	4.725542033	9.243275289
10.15102621	2.575212908	3.941820181	1.293909007	27.82393082	4.279953532	7.70550502
8.557246331	6.093602085	1.404300152	0.573539611	7.44267069	7.479766325	8.981207405
10.18331166	6.5824739	1.547034111	0.656933142	8.279915325	7.482878471	10.12750137
8.342736371	2.028305249	4.11315623	1.358830283	24.31308668	8.384495269	10.00231479
8.140465546	3.796274976	2.144329796	0.886726415	14.96034391	5.404751505	7.320333542

7.317934372	5.321975404	1.375040998	0.372163132	5.614897349	6.767975245	7.379644646
6.865541807	4.146548027	1.655724656	0.538866234	9.261843531	5.648494325	6.605740022
7.990819406	3.713624824	2.151757322	0.709073202	14.79640148	5.067703699	7.495653281
9.234302505	5.46449402	1.689873293	0.798017804	11.17342686	7.331094431	11.05305806
10.02597025	1.632553165	6.141282539	1.405055026	28.92194559	4.157373085	5.451254472
8.898736295	6.15587933	1.445567045	0.515732387	7.030399493	7.078116687	7.781407803
8.033175283	4.854814302	1.654682297	0.638345759	10.25106096	5.578207872	7.339665012
10.41345314	5.619603052	1.853058489	1.106340282	14.02087808	5.767352787	8.040054005
10.2172173	4.173623609	2.448044734	1.348905265	18.02097192	4.25168176	7.471413867
9.870544983	6.218056055	1.58740045	0.580179462	6.69615771	8.160168816	9.472790798
9.240505177	5.225564406	1.768326722	0.882404096	11.9544579	5.927422384	7.494411798
8.549948393	2.768362818	3.088449367	0.862806242	20.9176113	4.242776845	7.734431309
5.373951163	3.32388488	1.616768136	0.3670417	8.756531912	4.136698533	5.930471439
8.855689708	2.604907847	3.399617271	1.78611181	30.09121653	3.790947021	9.671976036
6.28848966	2.740050731	2.295026727	0.580456493	13.92602187	4.325172638	5.042860277
7.34488111	2.4635695	2.981397971	0.70758196	14.00986803	4.847436879	5.464104851
5.395799162	1.03810672	5.197730696	0.650560103	18.02021213	3.734746515	4.353166036
9.149184711	6.164024127	1.484287621	0.60331923	7.566294208	7.975402723	8.558763269
9.808695244	6.850918735	1.431734286	0.520252807	5.878621894	9.303696036	10.69394809
6.643615092	4.358111926	1.524425073	0.512703863	9.272441392	5.504777821	6.862855954
7.931474476	4.694154428	1.689649243	0.707839399	11.24620449	6.169518763	7.267200799
6.819502672	5.458779562	1.249272405	0.331234888	5.446318465	6.491504733	7.47117594
10.35077197	6.368465918	1.62531638	0.522930815	6.561659851	8.519499308	10.57696132
8.972355535	3.768096001	2.381137724	0.883199627	11.69691806	6.293801745	7.86311302
7.761289125	3.221879944	2.408931823	1.220823681	20.00876959	7.348341389	8.759833476
9.46853412	7.181856943	1.31839637	0.539110655	6.420981311	7.406980577	8.217564779
9.66558125	3.931890676	2.458252797	0.777299468	8.834172398	8.406545725	9.812678303
8.691559108	5.272782236	1.648381958	0.676127823	8.790346305	7.172260221	8.592337359
7.35349231	4.078491832	1.802993021	0.635843761	10.40151623	5.437734845	6.685569986
8.399936477	4.816981058	1.743817627	0.69535598	10.00466405	5.412570401	6.48188683
7.17049559	5.236235333	1.369399031	0.408683125	6.397897221	7.618671301	8.948367242
6.969622933	5.231090424	1.332346101	0.314540477	5.175085104	6.02979185	6.756129566
7.79276799	5.499346679	1.417035231	0.465082134	6.768406608	7.220855746	8.472608501
5.326498389	1.010186478	5.272787258	0.782505601	24.77918345	3.36911274	6.895363549
8.205141513	4.885197626	1.679592545	0.531027809	9.475414794	5.784837138	6.751783707
7.383453102	5.542330745	1.332192798	0.403572341	6.163329889	6.689286792	7.556576649
6.848683194	3.224473875	2.123969199	0.639506424	12.42285195	4.873388425	5.111090763
7.368443025	3.310180805	2.225994125	0.725555888	13.02692532	5.470918866	6.516990671
7.3132004	5.309338578	1.37742212	0.467225014	7.559316923	5.896970196	6.828299454
6.090255057	3.936874412	1.546977226	0.449579914	8.485689137	4.358240868	5.87649823
7.100843925	5.303272145	1.338955221	0.317989359	5.321770043	6.214010046	7.099507489
6.421745137	2.469602881	2.600314887	0.671169121	14.47644159	4.555804306	4.909405539
7.348414044	4.637751476	1.584477754	0.566057451	10.03729383	4.949808434	6.111660893
7.779302781	4.509678746	1.725023714	0.637276689	9.955683425	6.111627271	6.825536791
5.453420461	2.429536816	2.244633802	0.671376346	17.63298909	3.668608858	4.317225278
7.387955277	1.710890036	4.31819411	1.01335473	20.73850861	5.342302196	7.320754167
7.188119732	4.324596796	1.662147958	0.54691078	10.05284315	4.996442789	6.565076764

9.560928849	5.647855632	1.692842288	0.608731528	8.143073366	7.311270424	8.289608639
8.316371014	5.919641749	1.404877418	0.477465465	6.839380302	7.701353542	8.816892659
7.750887742	4.847080333	1.599083822	0.578238395	9.592269411	6.631132501	9.436040586
9.440642889	7.337674015	1.286598842	0.389702503	4.563353341	8.431242495	9.148908298
11.72236974	1.822660564	6.431460672	2.713792324	49.91823676	10.83150021	13.53375198
7.093773314	4.939419498	1.436155264	0.46807534	7.789558594	5.38898523	6.835607444
8.70172608	4.848919712	1.794570048	0.748683493	10.34399972	7.828511437	9.158348741
8.979689321	6.689872114	1.342281163	0.489658549	6.374712326	7.39635009	8.270048758
8.907645501	6.735421047	1.322507597	0.415719683	5.337417625	7.858924969	9.524103347
9.3986688	1.040709539	9.031020137	1.513486843	23.98948322	3.790272633	6.936590702
8.396828458	2.574241079	3.261865615	0.77521798	18.11122769	4.327045317	5.166645886
6.358066399	3.173230144	2.003657506	0.584784782	12.05917378	4.610398407	6.060825588
9.797399248	6.096754694	1.606985969	0.827471062	10.35667083	7.025869589	8.45197023
9.156713304	5.851030632	1.564974426	0.700382594	9.069150745	7.074670765	8.131484886
8.453595513	6.432491048	1.314202453	0.353107198	4.724939301	7.580316029	8.553552836
7.089172507	2.750843431	2.577090513	0.671702832	14.8100067	4.459872226	5.60537296
5.64447451	3.145959559	1.794198051	0.413434152	9.918889276	4.017916896	4.612610788
9.152053129	5.718129043	1.600532807	0.53980339	8.142643324	6.698692299	7.68101499
7.063638994	3.999084558	1.766313988	0.562893699	9.681084052	6.913221959	7.884022369
10.63259044	2.757897783	3.855324337	1.323142402	16.85030965	4.589751089	9.141476671
10.37202468	3.184338935	3.257198713	1.633088965	24.7244743	4.556451524	9.003381695
5.644164687	-0.563261699	-10.02050148	0.813166715	20.60029369	4.092866234	5.060141542
9.379571076	6.956128094	1.348389643	0.506917156	6.361256589	7.545000154	8.467318538
8.506940871	3.942766148	2.157607261	0.910873358	13.83297577	5.211070682	6.863977964
6.455993696	2.203772063	2.92951971	0.577728087	15.62509647	3.526885211	4.137343718
11.33244784	6.628614428	1.709625437	0.976707647	10.37785748	6.803124396	9.554829043
9.903698614	2.564941323	3.861179405	1.108883359	29.78586657	3.403655226	4.313633142
8.503438928	6.347521925	1.339647035	0.44096046	5.876791074	7.401368774	8.038121411
12.3658369	10.90813465	1.13363442	0.292993079	2.513646237	11.95241166	12.39265519
13.0972368	10.62921201	1.232192639	0.398515984	3.496056088	11.22830858	11.85152219
8.366186943	5.432169992	1.540118766	0.458203516	6.240132664	7.46403804	8.126714658
9.624297521	7.294600939	1.319372725	0.506131256	5.863535774	8.268052394	9.091090191
7.457968814	5.891731154	1.26583658	0.309653367	4.776214447	6.605535049	7.772954324
6.917843554	4.883404082	1.41660273	0.432573045	7.080560179	5.472191911	6.347670914
8.623947341	6.722576063	1.282833732	0.327048411	4.121238945	8.218076506	9.588352626
8.509198868	7.221955673	1.178240251	0.292690444	3.682937727	7.901435549	8.515281677
8.602077363	5.812187818	1.480006777	0.509851921	6.698616498	7.296421742	8.119349473
7.523691847	6.087374653	1.235950188	0.371415512	5.517325747	6.824256091	8.020450151
8.093910186	5.323568968	1.520391721	0.443223853	6.954074682	6.608753309	7.25723123
8.649654063	6.086898574	1.421028124	0.492663198	6.39971499	7.620630778	9.426102155
10.04628886	5.721294309	1.755946875	0.610756526	7.442695725	7.6855961	9.008345465
7.528479748	4.376929083	1.72003695	0.554568598	8.440772477	6.609206414	7.335819008
6.980597279	5.857517941	1.191732974	0.233012303	3.698227223	6.643774441	7.169477032
8.734933948	6.220398595	1.404240229	0.398269692	5.021632937	8.092331812	8.738274837
9.197962007	3.638280658	2.528106782	1.328433709	23.1168663	5.543901476	9.347553033
10.43983229	4.387480407	2.379459581	0.863609988	10.19751508	8.131810239	9.446397452
5.95124273	3.338464749	1.782628597	0.387799529	9.140810004	4.176238173	5.142970301

9.5469312	6.04152887	1.580217757	0.826845754	10.32365134	8.632299692	10.80012622
5.92971444	3.425160428	1.731222395	0.401474925	8.831252258	4.677915947	6.000278347
9.24644361	6.272391652	1.474149595	0.445649805	5.286681091	8.103966783	9.438450685
7.116793039	5.028309878	1.415344959	0.479955271	8.074174604	5.637215891	6.382931871
5.802614935	1.731295481	3.351602888	0.754287772	19.29587112	3.925844688	4.465060689
9.520281382	6.593753397	1.4438334	0.677310147	8.574983017	6.512491463	8.039812218
10.19306536	5.843848214	1.744238554	0.702491903	8.49206914	7.383497082	8.387163657
9.010142502	7.037730382	1.28026253	0.431784469	5.564493866	7.46888238	8.45431015
7.547045407	0.107062276	70.49210672	1.054729409	35.45666384	3.015291131	3.49416787
10.72333802	0.411453841	26.0620681	1.380306703	40.68476699	3.146397625	4.186888939
8.097452056	2.020561893	4.007524879	1.373923086	33.09950851	6.055860932	8.319275322
6.589378	1.797196873	3.666475332	0.742233122	17.78543893	4.075206175	4.568291356
6.680404521	4.505152881	1.482836365	0.394757768	6.682503507	5.856443756	6.61445829
8.505317448	3.138592082	2.7099149	1.239866317	23.82195741	6.60432829	9.942828451
9.715666137	5.456596833	1.780535824	0.640455945	8.717320562	7.821476867	8.496593273
7.972691881	4.976980467	1.601913436	0.505295278	7.538523785	7.087221686	8.061542694
10.53011308	6.083626899	1.730893965	0.81255135	10.76489903	6.273432987	7.676734479
8.475827338	7.032897062	1.20516869	0.346020834	4.521604658	7.911050524	9.106079578
8.787152993	7.072637254	1.242415336	0.364486265	4.709291334	7.806823477	9.298310874
10.99334229	6.935872771	1.584997686	0.569912954	6.048828931	9.046147278	10.38249027
8.410563478	6.485915378	1.296742709	0.448376153	6.060584493	7.311323961	8.266307261
7.282488938	4.977462043	1.463092812	0.504023224	7.719613895	6.583761605	8.108850627
8.38559409	7.023545101	1.19392614	0.288674553	3.757745923	7.93658909	8.830780961
8.938218626	5.407286135	1.652995311	0.690348141	8.905139451	7.253935564	8.3225144
6.015013287	0.684754023	8.784195618	1.009454856	29.33402362	3.305795633	3.795262261
7.701705561	5.100579351	1.509966816	0.532068277	7.779968682	7.442606021	8.326310747
7.117434199	4.125211106	1.725350295	0.526512141	9.351331137	6.166410799	6.895134112
5.888533877	2.709575197	2.173231392	0.75931918	17.21671586	4.638727119	7.483717678
7.779085098	5.81831921	1.336998679	0.495947175	7.441504846	6.507832153	7.264692123
7.553461749	5.039297357	1.498911696	0.551131926	8.76896573	5.972438004	7.610634717
8.542670507	6.047197775	1.412665969	0.478536885	6.497918482	6.390966374	7.39892906
8.205668457	3.894400676	2.107042685	0.915772709	16.07541739	4.65457595	6.004965602
7.037968027	4.993571125	1.409405784	0.393982205	6.535853532	6.095529975	6.804415803
11.78022422	5.677792641	2.074789442	1.221441801	14.42620327	6.080476289	8.904536573
8.523013914	5.601009689	1.521692407	0.465122376	6.482932167	7.005602633	8.1531589
9.070783779	6.8818504	1.318073374	0.472289591	5.902641762	8.006075755	8.873316264
10.66566616	8.387818393	1.271566177	0.441011595	4.645529361	9.11189131	10.33176362
9.407007063	7.05526346	1.333331791	0.408899537	4.843965377	8.608026669	9.798599325
7.578442244	4.235185429	1.78940034	0.716239504	12.23177234	5.383163744	7.255877015
9.240369485	5.364904238	1.722373611	0.903029441	11.75353229	8.644887537	10.59543926
8.35932612	4.946605174	1.689911733	0.652515772	9.603837787	6.883101948	8.793872907
10.79528395	6.114634157	1.765483211	0.99667991	11.84213165	8.417101544	9.851267828
8.129934849	3.60215491	2.256964249	0.613339434	10.67826501	5.678648088	6.872876081
4.963041971	2.165230207	2.292154412	0.436787027	10.60187438	4.092083832	4.233096413
9.406171517	5.923046776	1.588063014	0.746830078	9.586304694	8.020428972	9.421592225
12.42418945	8.494814243	1.46256164	0.849180317	8.137438299	10.19241427	11.78199849
6.327254713	1.562709446	4.04890028	0.870136124	23.22484779	3.748467665	3.918579583

8.419039912	3.093810919	2.721252245	0.990390897	18.26337531	5.029218943	7.011896634
5.646685231	2.82190947	2.001015727	0.451298801	10.14647912	4.546145417	5.474241723
8.036623711	3.728982502	2.155178713	0.716318056	14.42602634	4.734283222	5.696355589
9.321440868	4.835911941	1.927545617	0.848374523	11.64368297	6.366581117	7.354187465
8.186222079	5.525494192	1.481536636	0.501040994	6.758953562	7.101532833	7.875177724
10.52463688	2.352861298	4.473122529	1.868164182	31.68635818	3.924542699	9.151479028
8.605218069	5.295479772	1.62501198	0.704224479	10.25653713	7.068306947	8.102292754
11.78981811	5.24633007	2.247250545	0.990026736	11.11130618	8.336882054	11.67756666
9.382962925	5.150332607	1.821816889	0.667820786	10.02524778	5.758892383	7.701482917
7.924189338	5.354483915	1.479916545	0.568047435	8.565740922	5.482940092	6.637947815
10.83119336	7.954895601	1.361575802	0.449461472	4.800519355	9.627796896	10.12052982
7.6338523	3.671281277	2.079342803	0.829546678	13.17030881	4.584467067	6.860122093
7.83291937	3.295881722	2.376577811	1.018295175	18.73765484	5.345348562	7.60260974
9.025000645	5.775129683	1.562735582	0.642292417	8.843485194	7.423134295	9.553567148
7.965083394	4.726106182	1.685337377	0.671539169	10.44063864	7.488483058	9.647928868
6.823844578	4.452185562	1.532695456	0.580185478	10.01841376	6.005105245	7.723552806
9.26832635	1.971708487	4.700657532	1.584385855	29.50376481	3.900940493	6.013920341
10.11911869	2.390030355	4.233887102	1.618192691	22.3131265	6.521290397	8.517048645
5.974083235	4.022688586	1.48509712	0.290827314	5.844565948	4.997777913	5.485265587
7.309336703	3.482104162	2.099114892	0.72101393	13.57851089	5.082914074	6.624555854
9.084324972	2.41958143	3.754502683	1.095614912	23.60957952	4.750634062	9.867412561
9.468374176	5.78072022	1.637922926	0.593946226	7.719282583	8.046417546	8.981544296
7.361343262	4.88162601	1.507969526	0.689690467	11.47005275	5.602260425	6.796284283
6.944604482	3.469722295	2.00148712	0.920392625	19.89047337	4.291564424	6.637150187
10.24359276	6.414015124	1.597064017	0.532895476	6.922198244	7.625755194	8.872034468
9.185055416	2.981823983	3.080347958	1.568098121	27.74683047	3.867933203	6.500307162
8.121535138	0.902882377	8.995119787	1.457678478	37.73837812	5.612465911	8.071077572
7.583085609	4.846524042	1.564644175	0.538096744	7.981337754	7.760840406	9.302253819
9.042738506	6.174649785	1.464494153	0.61625484	8.436158183	7.890386129	8.968148713
8.557944285	6.258879303	1.367328538	0.352197263	4.883992607	6.813054974	7.317408382
8.286661426	-0.674417992	-12.28712983	1.146092751	25.12441354	4.439258546	5.457059197
8.440870126	6.841802257	1.23372027	0.353570392	4.615572142	7.452665733	8.155702649
8.240072563	4.313496821	1.910299904	0.596886421	8.512871498	7.482962236	8.548573237
6.281154313	4.004432096	1.568550587	0.453095271	8.38041727	4.626011725	5.959576656
9.399657797	7.348070883	1.279200752	0.320336047	3.952765395	7.932182729	8.561174749
8.981833167	5.37086602	1.672324935	0.577048617	8.158810392	6.995155449	7.803931816
8.441131585	5.843373237	1.44456485	0.462991118	6.132984023	7.796304868	8.579766173
9.210158095	5.863683173	1.570712097	0.552281036	6.871303206	8.184263897	8.986870891
8.304343646	5.716697259	1.452647091	0.386114182	5.640467377	6.358425317	7.470957938
10.57826063	8.045313122	1.314835168	0.503377861	5.48980878	8.668057876	9.656421553
6.249420587	2.106844097	2.966247287	0.709855669	14.68067941	4.582923596	5.296241527
7.280588544	5.280949734	1.378651362	0.417825296	6.893346722	6.201685177	8.243699536
11.93750966	6.861711494	1.739727715	0.965214153	10.79269213	9.052427797	11.61973912
6.389203241	3.481867651	1.834993136	0.668733018	12.8822774	5.834278786	8.352493038
6.57694378	3.575425389	1.839485674	0.458892357	7.704972196	6.263197322	7.104904683
6.676978153	4.707851805	1.418264302	0.376768883	6.401733321	6.169572551	6.678570046
6.898872383	1.359428303	5.074833567	0.967642128	24.75496087	3.883714407	5.901106894

5.649334024	0.309199326	18.27084846	0.785364445	21.7065242	3.717361024	4.448838977
5.743694097	4.3198446	1.329606647	0.302142405	5.889329572	5.41858723	5.81805245
6.047078664	3.441741952	1.756982002	0.410822139	7.865091032	5.260628825	5.774306303
6.488082569	4.789975248	1.354512755	0.36300502	6.489611121	5.730980865	6.804363634
9.492619967	7.865655212	1.206844149	0.346051236	3.961059572	8.930076622	9.731683977
5.731153814	2.110496411	2.715547766	0.58385888	11.95539438	6.316522255	7.619222841
8.697090855	5.181730512	1.678414351	0.620792849	8.436928476	7.291143295	9.106213299
7.385583808	3.416672809	2.161630399	0.675618519	11.15820628	5.993646602	7.900672455
7.001206742	5.671328398	1.234491507	0.284327635	4.432408179	6.792692622	7.3048529
8.403673788	2.2456114	3.742265375	0.858869815	12.56994116	7.637337058	8.97964638
7.585431872	5.417311116	1.400220831	0.449121127	6.924070605	6.947380199	7.965840205
6.448229294	3.999087191	1.612425282	0.436427143	9.408361092	4.584370797	5.170264006
9.984963571	5.29724273	1.884936009	0.689442011	11.04216609	7.164102992	8.502129537
7.316916392	4.706836066	1.554529686	0.602471981	9.751395682	7.084653489	8.211583272
6.65700871	3.659700213	1.819003831	0.521953654	9.955800485	6.172740025	7.963543245
7.738551395	4.389620716	1.762920283	0.664656582	10.70967735	7.089876737	8.238438952
5.780631149	3.79322576	1.523935435	0.348167449	6.878544906	5.280282955	5.914452692
7.478459263	3.830458595	1.952366558	0.738079435	12.41852802	6.212860525	8.790389523
6.114504198	4.207286654	1.453312955	0.396203469	7.151659984	6.237194686	6.675742166
6.760148285	3.997624873	1.691041181	0.597114953	11.82511621	5.360274494	6.407820569
7.95848767	1.913661421	4.158775205	0.822995151	20.95486905	3.725104429	4.859583331
5.006015737	3.00732428	1.664607894	0.534451053	12.19224882	5.143473206	7.441292612
8.22115282	4.863105905	1.690514864	0.658530555	10.54427315	6.297864531	7.4766249
7.014835254	4.404329165	1.592713667	0.488111727	8.396256138	5.998645254	7.239199209
5.937930449	3.47605012	1.708240746	0.510247241	10.0425364	5.504894784	6.430953225
7.184949852	4.891013648	1.469010387	0.504138644	7.852329592	6.940646219	8.320958827
7.876075956	2.407819789	3.271040463	0.80977658	16.49547382	5.620122556	7.968068807
7.268401906	5.569056626	1.3051406	0.31162151	5.03681984	6.464485378	7.205746379
9.089898532	6.565866046	1.384417298	0.511999846	6.390199904	7.781493732	9.2217107
7.774749774	5.495897646	1.414646028	0.434122572	6.5983678	6.44030903	7.242301431
8.507839544	5.079780253	1.674844013	0.571899261	8.294649133	7.836591823	8.63963853
6.845454293	3.973408499	1.722816644	0.497361268	8.78913154	5.525253268	6.018375721
9.115183706	6.40896537	1.422255104	0.487385864	6.056109446	8.430946374	9.198617219
7.482935807	2.781334919	2.690411628	1.14476824	24.88267674	5.705912688	7.558156379
6.555042496	4.336427492	1.51162276	0.415011862	8.034016849	5.521605013	6.491837698
6.836810996	3.790517893	1.803661449	0.56923695	10.42673041	5.551230712	6.186776887
8.584292541	5.454802568	1.573712785	0.538710795	7.603257221	7.244306746	8.853771716
7.600695608	4.004140563	1.898208989	0.709161424	11.17592122	6.62957204	7.408630171
7.656659427	4.194617793	1.825353299	0.543644372	9.074367197	6.568787849	8.378718365
9.828480641	5.244960483	1.873890313	0.709710443	10.33048561	7.591852703	8.563168155
6.648147242	4.569749087	1.45481669	0.392654316	7.003238217	5.605897604	6.457448061
7.313398567	5.127281375	1.426369655	0.425147135	6.617319538	6.423621491	7.621149233
6.425378694	5.407772786	1.188174679	0.276462972	4.721140654	6.202500424	6.837062308
7.489267445	4.444952957	1.684892398	0.595876647	10.10194235	5.724019391	6.381845538
7.965483978	2.776222706	2.869180474	1.35646595	26.78561558	7.306737333	9.801673368
7.734004286	6.407164325	1.207086925	0.275476602	3.880597552	7.031127491	8.002140073
10.45305195	6.02915967	1.733749398	0.682887538	8.512009012	7.955033924	9.069805762

5.026791935	2.101246818	2.392290087	0.499360203	11.78461097	4.698220184	5.68620479
7.535952477	4.432696427	1.700083144	0.537401438	7.960468764	6.737658877	7.491948777
6.150879245	3.596074937	1.710442456	0.451270148	9.418832563	4.984855824	5.85108374
7.815451981	4.748147676	1.646000191	0.536303237	9.088748096	6.050513044	7.040286401
7.56681135	5.64521784	1.340393155	0.420016082	6.372775479	6.156972633	7.059255434
8.140523546	4.964119109	1.639872728	0.534900156	9.282546635	6.024306076	6.823409492
7.321810939	-1.920298241	-3.812850932	1.374246004	29.23693167	6.698802488	10.15331412
8.541945705	5.222642006	1.635560258	0.544384054	7.309834983	7.207532401	8.269978954
7.786062532	3.600642396	2.16240928	0.900991122	15.27754286	7.195375425	9.716432352
11.56637171	6.797395176	1.70158883	0.904754501	9.35452262	7.194116741	10.15089822
8.266876298	7.025691438	1.176663731	0.264699608	3.526428776	7.445559545	8.046368053
9.878735163	4.5723348	2.160545016	1.153001422	16.15207826	8.768651104	11.7210972
10.76160538	4.271926816	2.519145539	1.161495323	13.93252448	6.034008698	8.214330979
7.60339423	4.361822931	1.743168934	0.52051681	7.774474936	6.562108157	7.345802153
7.377905704	5.479307483	1.346503318	0.330626777	5.018740407	6.879675301	7.233027232
11.57107608	8.006349705	1.445237405	0.641085215	6.242363129	9.198942573	10.69379557
9.771623906	4.223341857	2.313718434	1.476542346	21.27729705	9.727811834	11.26332639
11.44778206	3.137077181	3.649187251	1.709333379	28.76809621	4.212610309	6.642672373
10.80200358	3.999185913	2.701050616	1.553227413	21.49736833	7.779305989	10.86546083
10.00100194	5.349482763	1.869526903	1.020217932	13.1076492	6.631841774	8.467533121
12.54541773	3.151630564	3.980611775	1.870556747	33.79012695	3.760787044	8.076158249
7.969051789	6.070408526	1.312770262	0.416865785	6.055939337	7.130634691	8.142432178
9.03638503	5.998843705	1.50635447	0.585211376	7.850622162	7.312910864	8.504824683
9.569061647	6.505511477	1.470916112	0.667769052	8.408038377	8.133517389	10.3603306
10.66451422	7.430647504	1.435206584	0.575428562	6.082427088	9.300406774	11.43508817
7.441342702	5.667408494	1.313006237	0.335182132	4.846639633	7.306218933	7.825117326
7.80226452	3.486500561	2.237849782	0.791806077	16.59482718	6.796506533	9.962211595
9.240707662	6.745901344	1.369825497	0.486910648	5.804364783	8.089915616	9.053219012
7.644746972	3.49238884	2.1889736	0.78880523	13.92925079	4.833210838	6.454781725
10.44524611	8.207829001	1.272595483	0.47203936	5.047331301	10.29682962	11.57154837
7.870526536	2.961430783	2.657677019	1.162894078	22.38090074	7.598019413	9.705401831
7.873264357	6.218232309	1.266157964	0.402972717	5.769432742	7.261858038	8.748157035
9.412414118	6.041317399	1.558006888	0.47933976	5.919373113	8.238351895	8.757197374
8.227924575	5.443380616	1.511546805	0.570533525	8.380910499	6.793934946	7.593558036
9.888563962	4.831530409	2.046673233	1.023948299	13.63798053	5.581889054	8.635291407
9.560241868	4.237683585	2.256006537	1.099490023	15.25966252	6.500225629	10.04954036
9.307447052	6.043861471	1.539983518	0.516776617	6.686246124	7.605161918	8.665883431
6.89361594	4.9165115	1.402135628	0.384885567	6.849919663	5.688492649	6.451328441
6.832569467	4.061098026	1.682443867	0.478187489	8.689957869	5.84815827	6.848694667
10.00780347	7.274457944	1.375745595	0.546282834	6.188083854	8.609128364	9.711072878
12.43776713	-0.338619977	-36.73075414	2.503826927	34.33102581	2.247300507	7.629856346
7.685774847	6.160805692	1.247527553	0.345288417	4.984273095	7.001916808	7.646659139
8.856352644	4.06248312	2.180034324	0.995133795	14.97068365	6.510510387	7.930045629
8.040127333	4.430643283	1.814663655	0.738688724	11.40025685	7.083693984	8.559183518
10.24758773	5.615699191	1.824810657	0.621650493	9.399307673	6.804576649	7.454336092
5.158568071	1.963036065	2.627851909	0.519325915	15.81830937	3.254179892	4.005734956
9.317302978	2.596493039	3.588418239	1.11786367	21.7551432	5.23877713	7.432735722

7.693928867	6.0182295	1.278437266	0.397313346	5.960627708	7.03774507	8.784705771
7.246146078	5.262325822	1.376985448	0.344095373	5.66383934	6.210194255	7.526818741
8.665798089	5.452864758	1.589219332	0.528551404	6.799904679	7.49412213	9.092256271
6.66899178	5.044482017	1.322036982	0.326445063	5.687726623	5.830163047	6.384775989
6.753591564	-1.026603305	-6.578579604	0.986419279	20.41013267	5.436579496	7.246693984
8.210079518	6.384081418	1.286023623	0.409928101	5.486616005	7.557664569	8.773242159
10.59169076	8.807872999	1.202525373	0.387779807	3.974452001	9.787847319	10.96996896
7.038142164	5.339283206	1.318181091	0.343786145	5.599814822	6.282955208	7.833476431
7.882817578	2.998520198	2.628902611	1.110427141	18.10653959	4.185092643	6.945815704
8.921170905	5.663533976	1.575195089	0.650760447	9.131512981	6.67928876	8.012920866
9.384265157	2.472658209	3.795213233	0.980281299	25.96277813	3.478276469	3.976462762
10.42341705	2.79561741	3.728484812	1.653963924	25.27780944	4.357978218	6.880765484
7.87512013	5.691039907	1.383775243	0.402649042	5.905421464	6.991541268	8.121051281
10.69923787	8.393688997	1.274676471	0.409467399	4.149610109	9.9373379	11.06188688
10.92023747	0.573524155	19.04058858	2.694597531	45.40800881	4.788416025	10.12177051
8.150446977	3.586167869	2.272745525	0.590413066	9.027309496	6.735097655	8.091809303
9.534631193	6.466139964	1.474547604	0.450580065	5.454902657	8.481762907	9.383048803
8.810987537	3.760895883	2.34278954	1.036731697	16.10494194	6.300912313	7.620105456
6.52186142	4.827420754	1.351003311	0.317986375	5.673658631	5.979767682	7.118743994
7.639961823	6.023124627	1.268438277	0.366095614	5.201181453	7.249394512	8.037991811
7.898012138	4.889008146	1.615463076	0.633538425	9.76401984	7.548556038	9.214305713
7.131268471	3.642249055	1.957929939	0.719773367	13.169393	4.46508024	6.333845291
8.218590499	1.28829825	6.379416023	1.090484114	23.05027268	4.693590491	5.083595443
6.193245134	2.543753302	2.434687802	0.623840195	13.59995017	4.646819702	5.589083023
6.39158886	4.974331699	1.284914084	0.369380208	6.420223991	6.085613774	6.865432469
10.72465084	3.378060808	3.174795081	1.228671146	16.77586696	4.94276761	8.922041717
7.782696679	5.224724969	1.489589735	0.600869606	9.358984528	6.381870322	7.447129893
6.562609302	3.258508755	2.013991612	0.607211535	12.74033734	6.555326124	8.658603316
7.840072976	5.149932591	1.522364194	0.466971983	6.958767663	6.867187645	8.03441894
8.117289556	5.349261574	1.517459829	0.558341088	8.571152945	7.129590137	8.41610591
6.849605626	3.701025386	1.850731868	0.509960702	9.631287849	5.307894252	6.013498477
6.049623753	3.743595409	1.615992941	0.488197588	9.545415311	5.073537414	6.178623622
8.403269539	4.259553166	1.972805412	0.895223287	16.20406954	5.348659494	7.101006383
7.437236594	5.013680245	1.483388695	0.457868084	7.987196089	5.925274906	7.794848577
11.9498776	6.528688485	1.830364188	0.773994854	9.810648806	7.463291977	8.699874204
8.119126389	0.997454013	8.13985034	1.204213078	21.72232459	5.507582641	8.237427205
7.68096344	5.47547665	1.40279357	0.506615576	7.798252649	6.132953245	6.791706705
10.96875503	5.955093956	1.841911331	0.931709168	11.31708271	7.317247851	9.290288322
7.252848358	1.978554797	3.665730345	0.708528125	12.72846478	5.191567343	6.577438664
8.619080289	6.102091339	1.412479724	0.428020519	5.830291261	7.765785261	9.095552074
8.020578632	5.892038957	1.361256891	0.388320503	5.564921988	6.700621069	8.138128034
6.501398632	4.308827688	1.508855564	0.530206907	9.659636171	5.975352412	8.573065008
6.245250655	2.626254412	2.378006725	0.568919452	12.87252505	4.393694566	4.762315231
8.16990848	6.446022547	1.267434053	0.403181924	5.532756548	7.395081726	8.280964568
8.958374804	5.914418624	1.514667015	0.644549856	8.824775088	7.730375116	9.498040175
7.215730914	5.151712078	1.400647165	0.386132715	6.174975357	6.326980012	6.985817235
7.968179791	3.464684139	2.299828634	1.095049297	18.53425395	7.474762901	9.304058501

8.996420089	5.631013474	1.597655578	0.53539326	7.896934038	7.306312186	9.031349976
8.054774152	6.438205835	1.251089878	0.386958031	5.267372874	7.799199306	8.648547304
8.448756004	6.588682796	1.282313364	0.368057837	4.884688141	7.735733511	8.659011179
7.88695547	5.672568232	1.390367669	0.474127722	7.241365778	7.012846925	8.037900081
7.143347204	4.871064036	1.466485998	0.430286478	7.308409721	5.779448741	7.213507752
9.416696651	6.828573359	1.379013764	0.558765945	7.185020363	7.276615682	8.275642944
7.824608973	4.499924625	1.73883112	0.70124293	11.25854497	6.432656559	8.753383804
7.807639125	5.526308522	1.412812747	0.608443839	9.443353683	6.335304978	7.863800953
7.01598547	3.157638512	2.221909013	0.584406944	13.17157147	4.266620999	4.869932852
9.705729785	0.729809022	13.29899945	1.87010274	35.55441073	5.233313931	10.6470144
7.682454157	-1.023512455	-7.50597037	1.688125299	39.27029747	4.533096774	9.899900357
8.143426085	5.846869432	1.392783981	0.431216167	6.317207805	7.197802291	7.918669872
9.961977165	1.878173449	5.304077303	0.990760304	21.6153077	4.721850831	5.999893206
7.413117326	5.120099782	1.447846261	0.423763844	6.481623629	7.070127704	8.660625809
8.249615771	6.368474337	1.295383374	0.414422763	5.525669856	6.978525798	7.727369461
9.906332065	4.468456382	2.216947245	0.834389958	13.51249514	6.356136062	8.719366806
9.203431492	2.850864177	3.228295324	1.400436298	23.28711942	8.417597733	10.29691192
7.153022419	4.907076807	1.457695223	0.472687272	8.219737946	5.94243019	7.849445183
8.038340105	5.177462411	1.552563682	0.455582551	7.323819605	6.355011216	8.060819563
7.392764734	5.851002623	1.263503917	0.304146122	4.579700696	6.693375226	7.517386415
7.4148356	4.937751657	1.501662318	0.365756926	6.127302315	6.330969318	7.186427722
8.555917187	3.802215323	2.250245307	1.127437463	18.73131062	4.681356902	7.536519338
7.85419714	3.538660102	2.219539858	1.00307454	17.02389725	4.29422158	5.98778812
8.897278927	4.266090254	2.085581504	1.009331482	16.16206755	7.520082023	9.898695242
10.50275527	3.94591374	2.661678882	1.108468336	14.05624705	7.786609384	8.723760611
10.04080904	3.65790699	2.744960182	1.303183956	19.90356431	6.073151645	9.016804071
8.458131859	3.170325896	2.667906119	0.746429257	16.02729587	4.505178158	7.600419791
5.653657019	3.312352127	1.706840578	0.530623414	11.97471322	4.126807393	4.403812081
9.931448471	5.131915522	1.935232259	1.040218823	12.96036675	9.371131759	11.92720071
6.398358753	0.914785924	6.994378235	0.978002664	22.18799606	5.542057345	8.96294868
6.051601978	2.731870596	2.215186176	0.581641562	14.61647688	3.857400838	5.314144553
8.503902955	4.305517063	1.975117699	0.853846347	14.6867529	6.681462244	9.860892676
9.587562519	3.644764127	2.630502876	1.390479703	21.85983453	7.791362269	11.53457485
6.720233756	3.169737809	2.120122913	0.6599096	12.79149292	5.257934633	8.235971019
5.484606074	2.318580641	2.365501539	0.676506697	17.43361688	3.906597641	5.43360507
8.46237521	2.99455806	2.825917895	1.503892885	26.63838277	8.316407716	10.64961507
6.771568414	3.852381777	1.757761511	0.445438457	7.433156203	6.052801691	6.646772556
6.25934613	3.088487442	2.026670416	0.518181088	11.86100727	4.587764896	6.607485921
6.914670453	4.01976073	1.720169661	0.472492184	8.62586901	5.915337105	7.215173168
11.44719186	7.391746261	1.548645131	0.841072075	8.83490971	9.98291057	12.08548439
8.192380819	6.055996634	1.352771693	0.360968581	5.075887455	7.374574808	8.136105456
12.15112821	2.896267222	4.195444439	1.508546026	16.90403263	5.734196863	10.75423794
10.81055896	6.665532731	1.621859706	0.719142371	7.699547817	7.884849913	9.343746068
7.71942035	4.796319527	1.609446641	0.618212683	9.893140872	6.524931165	7.301688153
7.323283115	5.050655284	1.449966926	0.531877872	8.737452474	5.86054122	7.303264887
10.33241296	4.62389874	2.234567309	1.252981224	16.52744117	5.858292692	8.331900955
8.374304993	6.105307618	1.371643415	0.412117871	5.874743512	7.15352978	8.251623773

6.985974589	3.649410265	1.914274933	0.698945251	13.44064	5.39116391	6.955002042
6.086830329	1.840468793	3.307217353	0.704590721	16.34443239	4.453598743	8.038668082
10.8150636	1.780685656	6.073538901	2.189499991	46.46466772	5.263098884	8.914479444
7.0460968	4.911437162	1.434630347	0.438437078	7.161450998	6.11450619	7.400174314
7.870588606	5.522130839	1.42528108	0.38782728	5.818286345	6.599884351	7.294816885
6.428868238	2.035890584	3.157767067	0.772457572	17.64796529	4.554496824	7.407398225
7.338717484	4.922904751	1.490729123	0.500496321	8.519241572	5.463711293	6.244968472
6.678018614	1.425681274	4.68408945	0.675180491	15.22579298	4.412058348	6.085690516
7.775346637	3.737545775	2.080334825	0.970181154	17.03001988	4.514325974	6.059810584
7.951051517	5.222427042	1.522482067	0.4633142	7.434202163	6.217438498	6.703731772
8.932574895	7.516774088	1.188352183	0.340950216	4.135263563	8.224191632	9.194706724
7.471733615	2.048746831	3.64697751	0.751644187	13.71622556	5.51297607	6.079613179
7.897772612	5.541747788	1.425141113	0.46793214	7.009404593	6.449384075	7.598842287
9.153204712	6.214895088	1.472785072	0.447248679	5.507786272	7.73728141	8.511979746
9.591564031	5.601535898	1.712309661	0.734320415	9.90008068	6.687862721	7.818302375
7.446823231	5.196703662	1.432989779	0.500989597	7.909738494	6.130584406	6.790954347
7.604001728	4.336219054	1.753601844	0.576113606	8.762282738	6.419890497	7.734429833
7.993960096	6.44777824	1.239800719	0.32860773	4.579171229	7.222700364	8.14075388
7.986890468	4.911202625	1.62625961	0.609484275	9.053773968	7.396863166	8.993321003
6.039745702	2.517583361	2.39902511	0.586233354	11.1921322	5.013758165	5.975971866
10.16148285	6.967939119	1.458319695	0.624625754	7.29965983	8.688752641	10.92035841
9.733848723	4.015665606	2.423968945	0.939727697	14.13001495	5.943766246	7.798051976
7.334749679	4.129666879	1.776111704	0.488095467	7.928632531	6.07506667	6.79124171
6.725684332	4.565791374	1.473059932	0.512575704	9.288043438	5.44187566	6.504877569
8.923223899	6.63941453	1.343977524	0.331240163	4.188181938	8.109544114	8.852834312
6.235427355	1.692296165	3.684595809	0.671354742	15.63301022	4.385137064	5.107432114
7.351382835	3.930972552	1.870118078	0.819990359	15.37894768	7.181992738	9.998705362
4.934538774	2.243115812	2.199859119	0.482121223	12.2084746	5.244621438	7.840714579
8.79720759	5.913137321	1.487739437	0.656760848	9.320714443	7.304690328	8.624095572
8.016372331	4.430043117	1.809547248	0.601873425	10.03770167	5.870893386	7.455809061
9.334414077	4.34471412	2.148452998	1.216232129	19.00406008	4.53188426	6.63366259
8.134713077	5.694453654	1.428532669	0.456036232	6.954820733	6.93658852	8.236126948
8.044687458	5.767682578	1.394786788	0.449372962	6.705464628	6.325414378	7.110383784
8.671081596	5.707307376	1.519294656	0.543531727	8.273850534	7.149209203	9.511987049
7.974694273	4.722707874	1.688585127	0.833151699	14.06398175	5.01369728	6.805633907
11.85632877	3.639250623	3.257903893	1.659720776	29.62502762	5.661073062	10.18956563
9.183677208	3.752100129	2.447609843	0.79930121	12.92318616	5.494273863	6.760593134
9.306752746	4.660266118	1.997043197	1.049336786	14.63991125	8.627039911	10.8413314
7.040277796	0.519454048	13.5532254	1.182242569	28.9911142	3.621168799	7.184198459
6.795722827	4.824412905	1.408611361	0.44079432	7.395554932	6.108254664	7.122594161
9.955114328	4.27572045	2.328289336	1.205308988	17.62822883	8.525086594	10.08669653
7.624250504	4.685762447	1.627109908	0.566818068	8.726502024	5.920608111	6.836718731
6.932458591	2.722544785	2.546315723	0.73312018	16.73734426	4.258998902	6.116620423
7.097032562	5.436790861	1.305371632	0.290960457	4.813939634	6.215661954	6.839545503
6.032540097	2.326363511	2.593120151	0.811620798	18.52033657	4.125385111	4.523657571
7.475169582	5.540359426	1.349221054	0.447729037	6.713548634	6.583466456	7.630456203
7.267985283	4.740708129	1.533101192	0.483959728	8.244637426	6.092038873	8.118071832

7.753471176	5.390095883	1.43846628	0.505751866	7.879973835	7.203956447	8.088845065
7.076247879	4.23555712	1.670677004	0.581058048	9.943028666	6.268207918	8.461551088
9.027551009	2.821735259	3.199290572	1.018654793	15.09344752	5.218278445	7.129786423
8.803799125	6.313150644	1.394517511	0.52230161	6.96466312	7.298438615	8.648762468
7.412481046	4.846139706	1.529564044	0.49328462	7.872888191	6.012706139	6.734995143
5.294711049	1.05463927	5.020400055	0.632057985	16.782777	3.949676814	6.676012461
7.065649186	4.787266608	1.475925568	0.430006764	7.758358486	5.08841483	5.883350057
9.44056647	4.163319175	2.267557704	1.349423148	22.83879962	5.010474255	7.104712833
8.506633321	3.069242246	2.771574427	0.908210682	18.11551706	5.532559975	6.766718408
7.894558578	3.807240758	2.073564316	0.514635937	7.842526274	6.286722253	7.007342625
7.10160077	4.748391359	1.495580341	0.376807591	6.315758777	6.078693845	6.881566368
9.121186022	5.517213283	1.653223385	0.573205229	7.000488224	7.637730513	8.512545932
5.732337315	2.078327308	2.758149447	0.618788665	16.88170838	3.758113727	4.989404757
6.733863639	3.578251799	1.881886468	0.584110321	11.01769966	4.963461776	6.309966321
7.320747608	4.395395596	1.665549198	0.451963017	7.827787169	5.320438491	6.154153665
9.079130686	5.38751678	1.685216224	0.600787887	8.494262593	7.534556059	8.550222241
5.939611089	3.382124547	1.756177517	0.53603044	11.3248364	5.107571857	6.021131399
6.408278891	-1.249712491	-5.127802546	1.120241902	29.16171084	4.016353535	5.112873995
9.287862452	0.315261782	29.46079409	1.367026102	20.94927762	4.868334437	7.181686409
8.852906509	5.764596313	1.535737462	0.539380612	6.952603892	7.217932625	7.916265342
9.702860421	6.13596749	1.581308968	0.631030488	7.684694136	7.708184674	9.251276721
7.032298894	4.441568733	1.583291697	0.632074221	11.1341954	6.168078	9.18697171
6.751166365	4.532345453	1.48955247	0.482059889	8.789614915	5.807822674	7.223747842
5.992298154	1.82662933	3.280522248	0.594865876	13.29766132	4.283010664	5.078868346
7.257822198	5.496619385	1.320415639	0.38171811	5.887802896	6.295753965	7.289316382
8.198964832	4.786294119	1.713008985	0.531439699	7.703626638	6.247075016	7.267651838
5.758807399	3.776122261	1.525058513	0.387903909	8.23364416	4.842841373	7.701025239
9.649791719	5.729481092	1.684234848	0.927897757	12.65032699	5.944555563	8.00236252
7.880262394	6.443018809	1.223069904	0.363236431	5.021700436	7.375361921	7.985499804
6.107589023	4.007196419	1.524155141	0.421713185	8.129421258	5.24992814	6.066042937
9.611726855	2.77074589	3.469003379	1.541705176	34.07268635	3.675953097	5.314749721
7.601667047	5.177812829	1.468123182	0.473598723	7.13213738	6.674195129	8.277214661
10.1461391	5.862731315	1.730616423	0.983300079	11.69957694	7.728151635	10.58328028
8.502284308	5.986504631	1.420241833	0.472189096	6.370424028	8.174047769	8.936274332
5.386362447	1.72970148	3.114041647	0.491943197	11.15243162	4.649040512	5.358099922
7.163086589	5.160748553	1.387993721	0.400099867	6.451071578	6.289234039	6.820765196
10.07727309	7.563775002	1.332307358	0.415833486	4.609443128	9.224665953	10.43007691
6.607891886	4.028860572	1.640139133	0.456079449	8.072200489	5.209182494	6.224359567
6.632886001	3.539720479	1.87384457	0.833715603	16.53727386	3.854873913	5.164826829
8.85330317	6.474018232	1.367512857	0.562878063	7.41053572	7.175272047	8.283878461
7.794981236	5.683309642	1.371556668	0.36972445	5.264191454	6.759913118	7.463788899
7.410954024	5.93950013	1.247740359	0.283820323	4.339974845	6.443881687	6.987289308
8.103450954	5.262470794	1.539856708	0.569022617	8.856190702	5.597818185	6.421490828
7.949980845	5.817620568	1.36653478	0.355929861	5.321651891	6.628255744	7.919748643
8.41360459	4.165317622	2.019919092	0.769294298	11.3753268	5.606269518	8.225291231
7.853670864	4.981063734	1.576705556	0.572306277	9.3433711	5.913433955	6.977391642
9.369576624	5.22214268	1.794201575	0.633905003	7.98063629	7.643306626	8.986510949

6.485353444	4.601023682	1.409545765	0.400681656	7.088970915	6.050761832	7.135859858
7.753722752	2.327042662	3.332007134	1.174847616	26.12709375	3.706860315	5.315469676
8.596191205	2.814242061	3.054531564	1.322440614	26.63122116	4.027805462	5.820128122
8.075613788	5.623664746	1.43600555	0.488766491	7.199843079	6.958217723	7.963684532
7.769794083	5.92888559	1.310498232	0.37914732	5.546762328	7.191415223	8.19519526
7.946955396	3.128358493	2.540295626	0.853499131	15.51680444	5.508536301	8.012087643
8.903948587	4.693115789	1.897236077	0.831719719	11.53044432	6.589864017	7.541374735
7.604665946	4.264149609	1.783395669	0.611184701	9.694642251	5.517731836	6.57705932
11.28083152	5.531408013	2.039414105	1.412145696	17.35157242	11.11443202	14.13819267
8.787438248	3.895429253	2.2558331	1.17434332	19.96759594	5.476932605	8.918556258
8.929607114	6.513380976	1.370963429	0.430064551	5.353315338	8.205699219	8.832558625
6.830537663	2.218477609	3.078930179	0.907119889	23.25901237	3.580813764	4.219165463
5.884751668	3.439598403	1.710883359	0.506498546	10.45109365	4.773135161	5.462559463
7.044570387	5.762809041	1.222419542	0.22796512	3.653699796	6.301551226	6.731573853
9.409297428	2.113768231	4.451432891	1.985887335	37.07564176	9.827039401	13.84048009
8.048147974	5.340576993	1.506980984	0.606896922	8.571338382	7.950958548	9.535297193
9.824213452	4.298946904	2.285260477	0.975199155	12.27656102	7.789088718	8.975447397
7.866881877	6.251785268	1.258341664	0.394148503	5.537171004	7.672954237	8.634107579
6.36668282	2.983005574	2.13431811	0.684896058	14.63780667	4.125104028	5.770472643
7.761616785	3.775816279	2.055612936	0.914591004	17.90854559	4.902023257	7.56899289
6.275224865	1.532794751	4.093975963	0.9508048	21.30986964	5.146453713	6.237362945
8.064544039	4.882113051	1.651855243	0.529496311	8.228196832	5.959022251	6.744137879
8.367636205	5.693368618	1.46971622	0.513526382	7.074607127	7.325755375	8.238343179
8.975884768	4.005833859	2.240703205	1.190872667	19.58045888	5.033707364	8.305578855
9.650416917	4.026081026	2.396975335	1.060257761	17.54189031	5.958534957	8.255755992
8.880503614	4.106063343	2.162778036	0.882789485	15.87282692	5.475323863	7.359411136
9.049835828	1.456990647	6.21132047	1.709567556	26.67388477	6.215219725	13.6904622
8.081485572	4.37613836	1.846716193	0.673435545	9.84320294	6.791764583	8.119231341
6.527292282	4.122715418	1.583250751	0.454463993	8.589871817	5.38675974	7.213667031
7.667807305	1.405435792	5.45582185	1.384579102	29.31489485	4.509205205	7.649813862
8.013572593	2.103611791	3.809435099	0.945246353	18.93089473	5.720093092	7.351446732
11.89616836	8.032172681	1.481064817	0.461527352	4.448395399	9.865581806	10.81250053
6.610166205	4.331059312	1.526223893	0.352266233	6.713394097	5.559029375	6.343022851
10.06846105	3.777621752	2.665290945	1.164207794	16.24307945	7.380167091	9.414009955
9.314631466	6.838073511	1.362171882	0.394485446	4.689986581	8.426391081	9.236560275
8.929338161	6.175992879	1.445814193	0.527995093	7.343998717	6.75323447	7.704530136
10.43469438	7.379627034	1.413986687	0.545930133	6.085566059	8.659515396	10.35665438
9.706495898	6.932420894	1.400159633	0.580585909	7.010179304	8.618118291	9.451234228
8.833742874	5.714613394	1.54581636	0.481078949	6.23486121	7.539416358	8.698165135
6.771179892	0.423981991	15.97044224	1.022958076	22.90522848	6.447704984	8.474895609
7.833943229	5.850549676	1.339009779	0.400346181	6.033310968	6.690151871	7.436673923
10.73597112	7.738901321	1.387273292	0.725604352	7.738807329	9.64125475	10.87924034
7.862205683	5.636182635	1.394952256	0.537061829	7.955498213	6.77115944	8.345887763
6.79131518	3.192708595	2.127132802	0.762407487	14.9774212	4.831640631	6.973122574
7.941177897	6.1713372	1.286783989	0.367223194	5.156484682	7.145870805	7.923654405
9.820210212	7.975741876	1.231259783	0.378928063	4.140316316	8.577358968	9.640232721
10.28154377	1.920914948	5.352420096	2.025855125	31.89556438	4.122284327	8.221891695

7.030099894	4.684950217	1.500570885	0.37466538	6.68132677	5.699360033	6.327366371
8.325007783	6.130110304	1.358051874	0.453533237	5.996945287	7.61667295	8.700389278
8.055677895	5.420917353	1.486035918	0.529169949	8.353031962	6.469103605	8.14717324
8.191724909	4.943918215	1.656929697	0.518421711	7.745461746	6.58496052	8.03771782
8.088163679	5.218436446	1.549920893	0.475701413	7.406462072	6.735676525	8.025022853
7.868785124	5.199196108	1.513461882	0.498546048	7.937301963	6.389164987	6.918123334
7.529993877	4.85392054	1.551322032	0.547896786	8.392589041	5.746931047	6.869856933
6.311354919	4.393424351	1.436545714	0.430431327	8.121619228	5.491351575	6.52759649
4.870635752	0.245676357	19.82541506	0.828740391	26.38622191	3.812563358	8.352651572
9.585083931	3.166347933	3.027173303	1.464111628	30.7369481	3.591379259	4.515650066
6.683918013	4.795545522	1.393776366	0.379962751	6.825663907	5.921641558	6.802455425
11.99076831	0.512887212	23.37895747	1.457254299	34.58740778	3.695418865	4.097656254
8.9054885	3.837139149	2.320866707	0.922817699	17.10307269	5.405291747	7.613641608
6.962200258	1.227940795	5.669817541	0.803802292	20.80256363	4.656110701	8.514515254
7.188744913	5.241010583	1.371633352	0.341273968	5.35780067	6.254414243	7.499657523
8.275577182	4.584810363	1.804998795	0.794574625	14.63755892	4.931182877	5.832476207
8.363918243	6.429167446	1.300933334	0.435965031	5.937058276	7.637926916	8.736076124
10.25812869	5.620204418	1.825223412	0.907360774	13.36145222	6.312850314	9.371975619
8.158338147	5.954866971	1.370028615	0.442187691	6.096186356	7.767596227	9.054556355
7.725280656	5.649713138	1.367375735	0.434168203	6.352887876	7.403630149	8.352039691
7.639717518	5.374582975	1.421453079	0.560627641	8.979501869	5.910301315	7.211124866
10.67029912	5.788570933	1.843339098	0.950683546	11.21932736	9.201195669	11.77789839
7.317142521	5.827037508	1.255722571	0.361080901	5.559857106	6.588988649	7.624592871
9.204628038	6.746000483	1.364457068	0.455833675	5.831018927	8.113996711	9.121035737
7.312929647	5.322833096	1.373879195	0.425888225	6.584411796	6.402693094	7.093138563
7.7598521	5.283499436	1.468695548	0.46233896	7.127923853	6.479623182	7.649763302
6.898509359	3.68969181	1.869670887	0.617282705	12.56306635	5.669888704	8.386629429
11.51508527	4.829098566	2.384520654	1.334613123	15.44190097	5.937700582	8.988624082
6.446807867	2.556017488	2.522208044	0.732349162	17.52516606	4.067398487	5.023048225
6.207177604	3.359515399	1.847640766	0.499164577	11.76172707	3.958735019	5.095618206
5.971510825	2.458852875	2.428575896	0.573306853	13.45540037	4.491810976	5.71625512
7.812231911	5.172216602	1.510422419	0.459160819	7.194405822	6.396063522	7.184289326
8.478074913	6.150720312	1.378387324	0.543543899	7.612169239	6.600784234	7.480688634
7.902240772	6.029675904	1.310558129	0.371169728	5.46026119	6.803516028	7.284351015
8.964236685	5.463033465	1.640889946	0.618607375	8.604029532	6.868051689	8.439317698
8.948770339	6.265203684	1.428328717	0.579924789	7.254819815	8.513619938	9.422750329
8.534677344	5.760010193	1.481712195	0.654577896	9.496735017	5.882391172	7.031157014
8.79205723	5.864312864	1.499247641	0.529408033	6.844819246	7.32097626	8.274116152
8.173296725	5.132531497	1.592449404	0.532879233	8.05993624	6.466976599	7.565196918
8.006950422	5.332411649	1.501562698	0.490656524	7.226743067	7.180160523	8.16084901
7.415624566	4.641340339	1.597733418	0.470924713	7.843815685	6.314462283	7.010714739
8.520722181	3.539827985	2.407100633	1.068988333	16.01625514	7.268209427	8.364678053
7.834344378	6.158071715	1.272207396	0.367292388	5.214725356	6.740898897	7.378324645
5.925721038	2.2869704	2.591079027	0.585839727	12.86026992	4.46745058	5.196586185
6.834781784	2.79997931	2.441011532	0.708010985	17.21261197	4.268965906	6.065165287
6.054121324	1.735841666	3.487715177	0.632242012	15.12346757	4.278963926	4.881119158
5.667689894	2.516536387	2.252178797	0.471884603	11.16913812	4.259010736	7.160320402

5.47859329	2.89716178	1.891020836	0.413281484	10.40865289	3.978617371	4.927133612
8.638679072	3.971561887	2.175133945	1.0711794	19.87832367	4.810223282	8.212246844
9.54193995	4.14500155	2.302035315	0.979982075	17.16634012	4.943705798	6.050854815
7.980610361	5.21648542	1.529882616	0.618160907	9.548544281	6.22975105	7.759618555
8.719067841	-0.345047961	-25.26914759	1.481842447	34.30191769	5.09881206	8.468769149
9.065218937	5.010660766	1.809186325	0.737356252	10.33974104	7.594984299	9.010112367
8.676094512	6.182133293	1.403414339	0.474399509	6.252687481	8.21188181	9.638483495
6.600904289	1.953227262	3.379486053	0.732301408	14.06903455	6.233886257	8.234719773
7.892671933	5.354199509	1.474108673	0.491036267	7.032901282	7.161464907	8.509706636
9.693395763	4.847342413	1.999734068	0.770781318	9.818824233	8.001304588	9.854008173
10.61293925	7.265655365	1.460699512	0.739715213	7.879322566	9.677859522	10.63776248
6.958465125	5.073358923	1.371569651	0.438257243	7.472551698	6.288125061	7.354159564
8.426442362	3.277779353	2.57077779	1.096831043	22.06412112	4.213735913	5.293046998
8.695995778	2.937388961	2.960450895	1.08499012	21.03216709	4.470385217	10.16310278
10.58603988	7.406771357	1.429238108	0.597739747	6.404332028	8.680640953	9.866197811
9.970758891	7.588672382	1.313900296	0.387223524	4.388726601	8.668397931	9.519947171
7.30239216	2.820006162	2.589495108	0.893308833	19.82798055	4.87991838	7.964652284
8.728040799	6.059685277	1.440345563	0.4737859	6.659900443	7.273837039	8.642679873
7.072500231	1.520982255	4.649955782	0.993893399	23.59130219	4.191950482	4.964576953
6.361334345	3.031132192	2.09866609	0.711619649	14.3174797	4.543813946	5.925551231
9.465927425	5.696286562	1.661771634	0.821820342	11.43941963	7.894945006	9.554396671
6.981522106	1.775297184	3.932593467	0.797327929	18.33095607	4.673927014	7.214228908
9.722558725	7.390692779	1.315513852	0.434342594	4.955916314	8.312345283	9.549097549
7.37096931	4.773629912	1.544101542	0.578099664	9.544320391	5.559127084	7.540852937
7.691154225	5.344742734	1.439012991	0.573247899	8.621593339	5.844620417	7.099004193
7.893854467	4.309007959	1.83194242	0.697654449	12.47597855	4.614468864	5.588985709
8.576886225	4.479993893	1.914486142	0.741495882	13.15252498	5.730465533	7.582503275
9.931571937	0.58481539	16.98240523	1.481278534	20.12977099	5.111436044	7.662941324
8.138172645	5.894810621	1.38056558	0.526504505	7.593882938	7.067257094	7.803974103
6.220829878	2.830333518	2.197914076	0.688000431	17.06328522	3.787305558	5.53122271
10.49940881	2.457656116	4.272122835	1.745327666	30.77290006	4.984767252	10.08934506
9.361736775	3.347134754	2.796940507	1.278596893	23.05399109	3.894138429	5.686964627
8.097249692	6.786366171	1.193164278	0.316318136	4.217558817	7.263112593	8.379634147
11.77379203	1.037681286	11.34625071	1.958883799	47.15109693	4.265976534	11.22865524
6.572453698	3.131015595	2.09914435	0.488337478	9.297587922	5.736086888	8.349013287
7.555702716	4.766651987	1.58511734	0.478229445	8.264348746	5.931454551	7.586733262
7.616886383	5.776588637	1.318578639	0.350085878	5.145166097	6.746444814	7.982555023
8.237080966	4.331781172	1.901545955	0.815047455	12.0212813	7.814302384	9.700846062
6.215397693	1.582434138	3.927744949	0.749544295	18.13655489	4.071818125	5.415705352
9.518427514	6.400317931	1.487180421	0.682714153	8.308968029	8.223434357	10.24547639
6.640832874	1.465100972	4.532679318	0.651983874	15.35461911	4.29544054	4.706821483
11.91495573	3.449133007	3.454478475	2.346301553	31.33503884	10.73875155	14.05457761
5.579941746	2.823338125	1.976363262	0.439639349	9.973663068	4.284110295	5.146679935
7.205999392	5.685101457	1.267523446	0.271355228	4.168647576	6.473466543	7.191131274
7.468323254	5.12683143	1.456713246	0.503855569	8.289139375	6.420898706	7.828692865
6.89558775	3.909730412	1.763699034	0.677596718	12.33939758	6.07908375	7.063323912
12.29504813	4.312020417	2.851342744	1.363523504	17.62579605	10.08404345	12.29102149

11.56546837	6.701550453	1.725789942	0.98827997	10.66833381	7.673586024	11.04890193
6.637314284	4.259684749	1.558170305	0.482004483	8.888311246	5.174114222	6.068027332
9.801083519	6.047390647	1.620712815	0.602275356	7.123554259	7.947206844	9.109168509
6.430357799	4.768092696	1.348622648	0.310824108	5.601074333	5.556758462	6.375883937
7.298090096	2.849661654	2.561037408	1.067321266	22.13777434	3.688755512	4.923005499
7.93292603	5.815964178	1.363991556	0.483326281	6.951800569	6.831810238	7.50554265
7.941463981	5.484733852	1.447921484	0.454611051	6.663878273	7.112356995	8.380447254
9.329457726	6.806975184	1.370573195	0.448886839	5.446943272	8.323534198	9.17742034
9.988030936	6.050963047	1.650651451	0.570961741	6.611321722	8.691853929	9.665374956
8.373007131	5.361677414	1.56163948	0.707096208	10.5111077	6.111990514	7.283254559
8.853797581	6.061814617	1.460585343	0.432226245	5.487457709	7.779509952	8.529065572
9.779285007	7.54458645	1.296198946	0.379270834	4.310339146	9.163900571	9.8710578
8.274529408	6.528869468	1.267375531	0.362618342	4.819082582	7.699828002	8.728978056
9.691127092	6.532854482	1.483444506	0.554477251	6.622297373	8.895148697	10.08888127
7.054018682	5.668839661	1.244349656	0.301477691	4.805887987	6.142818266	6.705299439
8.830842675	6.177587114	1.429497069	0.588204792	7.772037918	7.222785164	8.762251575
10.00514546	6.434278037	1.554975616	0.683448528	8.279320195	8.392339632	9.476226819
7.655311624	6.216081953	1.231533252	0.328755527	4.725764388	6.988051363	7.645788377
6.784944073	4.982540393	1.361743917	0.330019706	5.688818775	6.125614033	6.788388814
8.347881317	5.022685041	1.662035594	0.576464728	8.200284508	6.4098934	7.314759971
7.354263994	5.329319923	1.379962941	0.465890878	7.217728548	6.588905505	7.66456087
12.71178484	0.712785911	17.83394515	2.387837412	43.34313469	3.658181384	7.349779901
7.257288436	4.013168705	1.808368641	0.642706314	10.91011679	6.096871183	7.075211771
7.94176231	2.09286259	3.794688838	0.930637317	20.16932295	4.818091458	7.887890434
5.701813762	1.235026817	4.616753	0.632904837	16.7683897	4.122868	6.637234615
10.49049672	6.063635798	1.730067086	0.853018764	10.15248803	7.699232755	9.192153197
7.728670702	2.558563612	3.020706879	0.650744664	12.98756627	5.101691751	6.1887149
4.914789496	3.214092305	1.529137632	0.298941265	7.037284048	4.213957927	4.585835989
7.434438157	4.853886684	1.531646419	0.502155072	8.61103184	5.472606263	6.831114748
9.098842148	5.391094346	1.687754204	0.659782265	10.20699235	5.702197459	6.472688849
6.857844839	2.081517855	3.294636567	0.713575556	16.20497158	4.41333285	5.521067703
5.925377287	3.414966514	1.735120172	0.435875023	9.409993288	4.67765889	5.556393127
6.459279959	2.067889026	3.12361054	0.689860989	16.70230691	4.057283098	4.47609185
8.290649341	6.392542478	1.296925186	0.406242956	5.506348523	7.514033788	9.128861699
6.945538378	4.839627955	1.435138908	0.353589461	5.967104432	5.895416136	6.302317625
11.07105175	8.013753599	1.381506383	0.562466998	6.112125686	8.772226604	9.428716621
7.350795067	5.316714415	1.382582267	0.45944517	7.039370137	7.040249886	9.102213858
7.894116602	4.483416583	1.760736808	0.749858859	11.71026404	5.107382636	7.311308397
8.624423463	4.236007895	2.035979081	0.634487169	12.1376946	5.32344838	6.523751463
6.439346681	3.612895889	1.78232279	0.480071427	9.537243655	4.988423969	6.239410506
8.127600544	2.383000665	3.410658109	0.968963488	21.73793346	4.410838938	4.986509892
9.60108267	3.710659306	2.587433089	0.974607996	16.66626032	3.796647396	5.647183639
8.627807673	6.509705786	1.325375978	0.421010246	5.606023937	7.520454829	8.676877497
6.165234298	4.401574986	1.400688235	0.289642491	5.693199809	5.28716077	6.192846309
9.258661623	6.234680433	1.485025852	0.625117289	7.957939399	7.967629457	9.113856906
10.5440978	1.322909301	7.970386018	1.419469593	34.40808858	3.820572079	5.141151706
7.817873862	5.442394063	1.436476994	0.552773219	8.400358524	7.380968464	8.532801612

8.125167946	5.79516369	1.402060128	0.384847404	5.873649349	6.717965628	7.648249432
9.912471062	7.357518788	1.347257323	0.565690075	6.728149222	7.646805071	9.539443015
6.667402378	4.168018081	1.599657739	0.414665249	7.56089588	5.173580998	6.34364256
11.95222238	1.698584166	7.036579416	1.508189019	35.11008387	4.099430293	4.720335565
5.790516209	1.473470722	3.929848162	0.799761265	20.39972147	3.506422243	3.952892192
11.41199077	3.943680939	2.893740885	1.592557058	22.96080906	10.14590774	12.50948719
9.543292008	7.334043339	1.301232017	0.345609168	4.128748747	8.682142072	9.648261781
7.948083538	4.516050268	1.759963478	0.69075065	11.31331754	6.70064811	9.357638471
5.857938265	3.601766764	1.626406886	0.421956331	9.532131191	4.658078432	5.851011205
6.643751364	2.439761587	2.723114995	0.998580734	22.79363488	5.17640299	7.979079609
5.759406943	2.813229156	2.047258373	0.591887844	13.62177975	4.217997796	4.889471771
6.822038147	4.273291587	1.596436379	0.428436784	7.458863126	5.763560069	6.552784984
7.005536276	4.840591945	1.447247848	0.496752079	8.226778451	5.929540361	6.660334883
7.365713467	2.447344084	3.009676292	0.884376296	16.19059843	4.821952054	6.452732194
9.173040807	5.509211169	1.665037067	0.589365643	9.168132119	6.212722643	7.250025849
7.672949641	5.800760621	1.322748885	0.405515919	6.073284813	6.012521784	7.981017379
7.110693942	4.826090436	1.473385971	0.564932107	10.00122682	5.301021346	7.250923273
8.614393782	4.752116104	1.812749014	0.700821686	11.40939402	5.38736044	6.599088947
8.899480272	3.768906923	2.361289481	1.096820368	17.7860871	4.791128188	7.484455046
5.781541892	1.125890534	5.135083489	0.617248683	15.48353152	4.108536788	4.786701812
5.964755026	4.591579309	1.299063922	0.30342847	5.768106527	5.195520559	5.842514117
5.793232667	3.334531018	1.737345563	0.372330904	8.579386598	4.383356819	4.99275794
6.889290704	5.254584255	1.311101006	0.349565162	5.902945424	5.974174168	6.451376171
6.129507974	2.052226908	2.986759383	0.626883609	14.58235126	4.246717335	4.854464758
7.5493468	3.953207308	1.909676425	0.936112303	16.92186539	4.352363999	5.372291133
9.407106989	2.746693337	3.424884337	1.364906199	22.03319774	5.666127069	7.643635883
9.269034253	7.071306841	1.310795085	0.437028222	5.222497346	7.89720345	8.741786507
9.608765524	5.272730523	1.822350959	0.724308179	9.39324273	7.52600177	8.982353503
8.531093802	6.266443334	1.361393273	0.417709374	5.631537851	7.426329201	8.579492605
8.342450042	3.192014065	2.613537996	0.823951799	12.26244718	5.047514183	6.850028365
7.901038757	2.580206797	3.062172678	1.003521209	17.97381727	4.642208119	6.733356334
8.334291646	6.69146023	1.245511646	0.364968318	4.850696322	7.761001016	9.416381667
9.031740633	2.162458542	4.176607532	1.441800328	22.84219508	8.07874347	9.405710406
8.540891814	1.187988681	7.189371371	1.166717827	22.14252228	6.678125186	8.089487721
10.14795141	4.139344357	2.451584245	1.079588181	13.88372264	6.013543933	9.057366167
9.856363409	4.933785466	1.997728413	0.801402938	11.44436482	5.456289484	8.155664635
10.02510511	7.736575866	1.295806477	0.428203908	4.916230363	8.0770497	8.859021316
6.086473735	3.230215112	1.884231707	0.437003882	8.531878979	5.737638853	6.584690605
8.738747772	6.330824978	1.380348975	0.449824165	5.739420253	7.660244178	8.561541687
11.61115503	1.673641322	6.937660344	2.371526109	46.7621505	4.427611097	10.61229256
12.90918842	2.182209581	5.915650144	2.080058172	40.07774617	6.114143609	10.14394888
7.746023376	3.426093573	2.260890781	0.792253012	12.70911966	6.453193537	7.595113983
6.682163103	2.833653863	2.358143734	0.633390579	12.53084073	5.077611335	7.64703475
9.322013456	-0.890972861	-10.46273558	2.334974635	50.17800276	4.054614654	8.315071015
7.348125998	2.453356847	2.995131348	0.650426778	11.31453945	5.669890539	8.62408596
9.946481253	5.23824054	1.898821022	0.665189517	11.22946141	6.367098952	7.071920537
6.742585969	4.513953149	1.493720857	0.380569465	6.555558519	5.841794641	6.908428837

8.347829634	4.353052733	1.917695499	0.600026441	9.23710317	6.538289901	7.26596296
6.598797016	4.334896087	1.522250334	0.411099316	7.417085424	5.271219195	5.903127093
9.149484573	7.090239183	1.29043384	0.38053622	4.703921014	7.797687518	9.035241971
8.413542385	6.078423766	1.384165157	0.470248628	6.497262332	6.955256556	7.926464719
8.077923779	2.369451429	3.409195766	1.301920869	26.54593333	8.041439713	10.81920922
7.627817617	5.757451413	1.324860093	0.372035274	5.571855451	6.521672398	7.486077935
8.518649623	6.061295421	1.405417329	0.519370518	7.209128343	7.169014879	8.486442372
9.459253483	5.259495319	1.798509725	0.696684406	8.582423142	7.065463493	8.151667926
10.30322234	7.024713987	1.466710582	0.536883935	6.15990856	8.551280393	10.12318614
8.169122267	2.993767457	2.728709689	1.166513759	23.38097026	4.76643511	9.029828564
7.304245085	3.152231949	2.317166123	0.846169792	17.65530608	4.321612933	5.293561733
6.568530714	4.116727051	1.595571101	0.56572846	10.79779086	5.418379167	7.118126573
8.847619232	3.2939291	2.686038152	1.329560515	21.29576678	7.603162171	9.706795664
6.940177142	4.92038932	1.410493498	0.382773527	6.418683888	5.781241965	6.763061751
7.741478154	5.523681894	1.401506876	0.408354245	6.097930017	6.399882826	6.856170257
5.778162437	3.932459356	1.469350835	0.333244605	7.070672749	4.601824178	5.099055436
8.706009808	5.268748956	1.652386531	0.645799627	8.772017636	6.73431254	7.986077449
9.072249589	5.438014096	1.668301963	0.670588126	9.495653682	7.069075604	8.812231791
9.723039772	6.88701092	1.411793866	0.595427049	7.087378884	8.047278393	8.863268916
8.784586191	5.027960705	1.747146946	0.655106943	9.75106886	6.863481055	8.885615264
6.837435864	3.328814636	2.054015201	0.648404908	11.71832086	4.580860485	5.740173459
7.289760065	5.344134782	1.364067405	0.400320873	6.251680546	6.364981872	7.696658271
8.152901653	2.969984626	2.745098941	1.034905683	17.15767981	5.527385724	6.318021688
7.282747419	2.973581544	2.449150061	0.594450884	10.55501483	5.962666977	6.659345665
9.034907435	6.023594674	1.499919554	0.496144044	7.044132042	6.826203819	8.70273075
6.885409251	2.097996716	3.281897058	0.637627628	18.27495546	3.550595216	4.271449495
11.31816489	2.123903717	5.328944435	1.485904713	30.59753925	3.984373824	9.571757484
6.608441693	3.922954915	1.684557135	0.526872463	9.8257588	5.67866494	6.896680038
7.956075527	4.490833843	1.77162545	0.591908694	8.720002849	6.394719539	6.978085528
5.648359326	2.86148902	1.973923117	0.414509833	9.230308434	4.564013025	5.260068355
6.595081291	3.771114979	1.748841212	0.567585396	10.84357255	5.554614949	6.672021968
7.673703623	3.742320586	2.050520111	0.656429442	10.87996512	6.196263347	6.931039881
6.262818204	2.762977017	2.26669211	0.476091585	11.14321492	4.139649447	5.687632952
5.824957607	3.418431059	1.70398569	0.456989249	10.30891617	4.396407481	4.936286194
8.140863826	2.476665535	3.287025927	1.029151142	18.57905809	4.375350985	5.203824628
9.160954249	7.005620709	1.307657755	0.442317776	5.473579326	7.925824966	9.168883463
7.678760506	4.758356807	1.613742058	0.539343506	8.524196229	5.917475021	8.159757446
11.04293527	8.662468834	1.274802309	0.373930486	3.982174396	9.160602451	10.32868369
13.29399944	10.96797242	1.212074478	0.408908959	3.47422683	10.806708	11.87538158
8.285059714	6.951477123	1.191841614	0.308834129	4.131149689	7.472516802	8.052184999
6.026115762	1.326066673	4.544353528	0.746571124	15.52725954	5.320361631	7.503451126
7.122124973	3.763862462	1.892238371	0.706700471	13.94307462	5.090131096	9.44412543
6.845161011	4.237047885	1.615549599	0.489475571	9.534942355	5.638513761	6.198774739
6.937193799	4.778932303	1.451620019	0.452232901	7.805693603	5.638074923	7.302785604
8.753380911	5.675618919	1.542277774	0.763982693	10.65567239	5.1220371	7.982343723
7.20429694	1.224946657	5.881314829	1.139989402	26.94931057	4.227687097	5.309374066
7.655842018	5.130312485	1.492275966	0.476852111	7.161865618	6.069989927	7.003083806

8.37687273	5.874913536	1.425871662	0.475591298	6.338343843	6.815243394	7.422045175
7.885168102	3.517081212	2.241963613	0.867872533	17.07513779	5.319737393	7.321631527
6.400467749	4.333735634	1.476893906	0.359126523	6.904069188	5.42117869	6.391151849
9.914500464	6.709098999	1.47776929	0.580029313	6.643466922	7.868243542	9.219702299
6.674460834	2.976620399	2.242294932	0.844948165	17.83283586	4.388821942	8.366252559
7.828439908	4.255230959	1.839721506	0.568378032	8.478686398	6.885002354	8.219912532
8.423898591	1.686636229	4.994496411	1.138295457	22.55402114	4.807642802	8.18552633
8.374163304	6.293271182	1.330653497	0.3439981	4.540342904	7.767116134	9.016227316
8.00219367	5.189398481	1.542027212	0.506595544	8.526904037	6.333841	7.007066092
5.418533949	1.745239132	3.104751578	0.557574302	17.56573005	3.383194269	3.987149105
8.46100495	-1.031378451	-8.203589036	1.425511312	25.8587021	4.290826453	6.41775706
6.384023443	3.524787314	1.81117976	0.586837004	11.58542413	5.34553232	6.991992955
7.982763009	5.425671351	1.471294978	0.604452703	9.109113318	6.9736292	8.111855851
7.557769534	6.22540689	1.21402017	0.310096056	4.458657214	7.201567805	7.925547402
8.360056969	5.690399838	1.469151063	0.612805027	8.581669597	6.836411039	7.702439123
6.264803511	3.563942482	1.757829579	0.436475288	8.6089272	5.630725764	6.544787619
5.177044149	1.984122821	2.609235726	0.592159803	14.72104969	4.218991713	4.792760117
5.246564964	2.746696544	1.910136369	0.531385572	13.62824543	4.190864787	5.770358069
7.039978323	4.285785785	1.642634204	0.480949834	8.502305188	6.18863306	7.727789929
9.722774936	3.631236375	2.677538428	1.416456521	18.55279065	5.43642238	8.04436051
9.168072839	3.529213328	2.597766694	1.168977152	22.50521066	4.246657607	5.952870439
11.07843781	3.334990905	3.321879466	1.965338916	32.97668402	6.221996783	10.04974233
10.78831335	6.84164666	1.576859181	0.740452682	8.196739327	7.848368252	10.19548178
9.449747959	4.50166105	2.099169141	1.185917658	15.60574778	8.402700783	11.16533014
6.481041426	3.690627263	1.756081274	0.62421159	12.813524	4.796717254	5.973593479
7.383866537	2.653595838	2.78258898	0.945799636	18.42576291	7.491041226	10.03809438
8.189532453	5.692717365	1.438598112	0.462576193	6.352582719	7.539123636	8.641844873
7.622699527	3.920712603	1.944212774	0.692664722	13.3291267	6.243971347	8.059826089
8.759088813	5.485454208	1.596784602	0.514781184	7.468801411	6.857452616	8.181782944
7.146848526	4.526733033	1.57880937	0.625513296	10.71539807	5.081247274	8.408255218
7.732554563	6.023771792	1.283673225	0.36057516	5.193670531	6.643342712	7.317613692
8.021638999	0.636534453	12.60205	1.058260352	16.77720905	4.774049764	6.751506931
9.134969235	3.73445321	2.446133	1.007723926	15.15261362	5.009650403	6.390725566
6.984038896	4.727887977	1.477200587	0.409983764	7.032566386	5.946164873	7.326716542
7.689116907	5.508285284	1.395918423	0.489679479	7.638063006	6.782469355	8.243858
8.832695878	4.957219465	1.781784313	0.612691192	9.532997263	6.491170206	7.506986581
7.903057829	5.549396252	1.424129305	0.420622207	6.202320444	6.540942446	7.729627761
7.194672005	0.951507385	7.561341214	1.019824778	25.86686855	6.063487957	11.52537094
8.322933107	5.404801333	1.539914715	0.477611639	6.621707793	7.280470921	7.923205503
7.987730983	5.672482178	1.408154443	0.356279062	4.94805571	7.164803136	7.604606346
8.471503788	5.842670469	1.449936948	0.555954555	7.784373768	6.662369025	7.786266092
7.490923842	4.477357955	1.673067893	0.495367952	8.306051628	6.389158944	7.357568333
6.450926993	4.280505589	1.507047908	0.384549137	6.734906249	5.761628744	6.330015872
9.346642653	4.491363181	2.081025799	1.320731154	19.04951641	8.61392619	10.47167299
8.630328049	5.058877679	1.705976819	0.732027894	12.83312537	5.364079993	5.990993541
8.176760241	6.217169048	1.31519027	0.393516379	5.340033185	7.333491095	8.740905078
7.169479648	3.821070594	1.87630128	0.665085711	11.83268851	5.704494047	6.53956025

10.06941419	4.150366242	2.426150755	1.123693194	15.9072816	7.036800488	8.714440587
10.12276308	3.210924915	3.152600372	1.298717469	19.80948227	6.325229269	9.590336738
9.093907161	5.023273723	1.810354693	0.764289403	10.94138778	6.118483867	7.778101113
8.002708908	6.18609876	1.293660062	0.37699043	5.058273902	7.548372421	8.668096847
9.930157318	1.766120588	5.622581711	1.511355733	21.72614508	3.731402285	6.822425997
8.624701591	6.653404463	1.296283976	0.34493398	4.560564093	7.587646035	8.188977343
6.421253263	5.07370842	1.265593671	0.264556458	4.593216169	5.947546191	6.625476664
7.972410113	5.998091188	1.329157871	0.430374589	6.390263793	6.452088847	7.873392625
10.86014955	7.897554181	1.375128211	0.559345088	6.054717621	9.920109556	10.81657994
8.889036607	6.037838512	1.472221655	0.44933794	5.988319927	7.653030613	8.84968885
8.557048985	6.017651953	1.421991343	0.49848326	6.446357303	7.80993412	9.686331146
6.102383935	2.454237619	2.486468257	0.80665433	17.23186601	4.900569182	8.032275451
10.98341455	5.137751421	2.13778629	1.353035351	16.63190406	4.979714624	8.113270562
9.160486346	7.144132805	1.28223909	0.477530003	5.945069378	6.725356739	8.021268263
7.949413593	4.758771199	1.670476109	0.485940388	6.648386736	7.268414752	8.730030506
8.77387194	5.018285826	1.748380272	0.69063232	9.410672952	8.242892102	9.904968437
9.464709007	6.23119615	1.518923298	0.57461208	6.667909099	7.971518584	9.281136321
6.626709651	5.021945248	1.319550358	0.296538973	5.144146293	5.908966122	6.971919564
6.782618428	2.791763395	2.429510481	0.68992202	14.53807208	4.997872199	6.138645194
8.554334478	5.710152661	1.49809208	0.669615966	9.178364122	8.603128424	10.09000525
10.67323175	5.252147383	2.032165317	1.085323677	14.65305537	6.810036862	8.933984534
9.364834778	7.293869854	1.283932256	0.388541106	4.518930906	8.706489059	9.419795708
7.704544154	1.340524868	5.747408598	1.084046999	24.92937527	4.018292915	9.603374739
4.95416949	3.156761628	1.569383462	0.333502667	8.022407521	4.210115182	4.942066426
8.396929383	2.968055813	2.829100903	1.290585165	22.2418072	4.813538195	9.073842529
8.299761218	5.974869299	1.389111762	0.466476351	6.478958682	7.716796522	8.455579116
6.283092612	3.965548396	1.584419602	0.393932836	8.18068263	4.657437459	5.875464374
6.701616026	3.917196817	1.710819328	0.573943909	11.38963247	4.584529963	8.371659504
6.650334174	5.495544216	1.210132047	0.270324694	4.508184827	6.065345573	7.30255956
9.27174271	6.475431822	1.431833886	0.493535043	6.106496093	8.123160369	9.29256044
10.4516255	4.943400086	2.11425847	0.775673638	10.96938623	7.325014196	10.09830532
6.004417575	3.502281586	1.714430273	0.499738678	11.08839012	4.484354825	5.29774182
10.7985762	0.555467377	19.44052278	1.635116165	37.34622486	4.47858197	7.86653734
7.996621929	6.471177578	1.23572902	0.333507201	4.560492096	7.253945555	8.268017488
7.071625429	4.198225007	1.684432211	0.429025555	8.150984484	5.74478624	6.559856708
7.393103735	3.550677533	2.082167042	0.659897153	11.29755698	6.123405859	7.426456686
10.98688322	7.379591195	1.488820034	0.632386981	6.674867978	9.133688908	10.43252867
9.710490569	7.223176788	1.34435178	0.382759537	4.720919058	8.102530709	9.443709671
5.864920815	1.665403661	3.521621187	0.539795278	14.44303778	3.71868078	3.848729287
7.176065717	2.386091752	3.0074559	0.902849537	19.2775825	5.638337537	8.566044628
9.205776278	7.108626265	1.295014808	0.445199867	5.502976078	8.219654744	8.941423572
7.26657147	4.568480817	1.590588154	0.426929236	7.898262094	5.336269225	5.936645755
6.848303027	3.451460733	1.984175269	0.469499091	11.19207606	4.157782742	5.078227916
8.976712695	5.963010711	1.505399391	0.455569952	6.259783468	7.253747589	7.612005322
7.330153803	5.472181801	1.339530387	0.377654061	5.933728448	6.723287179	7.490211519
7.668739227	3.863025308	1.985164118	0.599537774	11.17180095	5.350736088	6.33270869
6.87219261	4.252163901	1.616163622	0.4587238	7.684124738	6.462545734	7.213746526

6.384126283	4.195033796	1.521829524	0.429809326	8.81743298	4.972456628	5.844092009
8.121736335	1.349107926	6.020079028	0.984211181	17.91619527	5.178198895	6.673757773
10.99678428	7.976081956	1.37872007	0.547625114	5.538814907	9.930046851	11.49649179
7.83931447	5.144576187	1.523801803	0.480776457	7.447204565	5.931589873	7.270479417
8.568670019	4.764886424	1.798294703	0.646258	8.789397068	6.385837975	7.715258522
8.097291983	4.713141142	1.718024506	0.745261997	12.51905683	5.572256598	6.184064349
9.958732311	3.593923107	2.770992037	1.504875521	25.4513248	9.486989505	12.81869413
7.761229006	4.329299479	1.792721673	0.55779647	9.239984812	6.543561271	7.262147724
7.167043692	3.471977309	2.064254186	0.662887095	12.2473601	5.345642729	7.151175391
9.104302469	6.333627522	1.437454672	0.410055723	5.656470324	7.178189787	8.363181126
6.621114706	3.00423639	2.203926006	0.841296213	17.21813841	5.829259495	7.554316596
7.376530816	4.957223636	1.488036723	0.50474314	8.261101395	6.835540575	7.670350844
8.706656802	4.165560107	2.090152723	0.886899394	16.05507858	5.796517725	8.695520003
7.982321093	5.023659927	1.588945352	0.632175476	9.938442021	6.949466651	9.309770401
8.032932266	5.997588101	1.339360445	0.422128834	6.161229338	6.124747077	7.304027611
11.44179152	9.112049262	1.255677093	0.559385687	5.335674744	10.76267075	11.70377865
10.9975096	6.791535652	1.619296454	0.715995152	7.297907004	8.8606862	10.36050987
10.67707765	3.179586578	3.358008153	1.855065552	24.98570568	3.224148303	5.930659725
9.791628607	6.088863199	1.608120972	0.784722765	10.35243559	6.41655536	8.355468328
8.978444139	4.723821627	1.900673829	0.871082519	12.06278292	5.261639245	8.034956415
10.1295123	4.54471783	2.228853953	1.213181105	16.4649982	8.33320742	12.24340961
9.062740524	4.871545027	1.860342145	0.66913626	9.329747244	7.652451923	8.639055027
8.541081676	4.690682916	1.820861019	0.743118829	11.23143893	5.989162952	7.604401525
8.266373213	2.231117677	3.705036852	1.421668876	25.02748639	6.608613	8.73034265
9.978467963	3.280995564	3.041292732	0.976058232	12.98835031	6.166117809	9.047482897
6.318885457	4.573717185	1.381564535	0.368199723	6.83984106	4.946550258	6.429455207
6.722919897	2.835336836	2.371118596	0.657888313	11.73944237	5.767072214	7.332766737
7.217383828	3.383164288	2.133323485	0.703308956	12.08881748	5.540694006	6.644097615
10.51911552	5.953591344	1.766852126	0.718670948	9.195599512	8.274987064	10.04353489
5.232108053	2.943684768	1.777400933	0.402942663	9.834920677	4.00876651	4.639263082
7.757561093	6.118845628	1.267814481	0.327327354	4.551770542	6.846251874	7.367735854
5.643305943	2.174197896	2.595580629	0.653147143	15.56652399	4.440198458	5.357706057
9.262218184	4.484923369	2.065189842	0.984708138	13.41362802	5.654668848	7.382957484
8.07425234	5.269116917	1.53237297	0.502811296	7.245813498	6.801441993	8.459246408
7.845468626	6.319099918	1.241548437	0.289455676	4.171884325	6.551662796	7.25229831
8.582690983	5.141163883	1.669406224	0.547968786	8.957222721	6.144999803	6.617926283
5.349933675	2.366906536	2.260306267	0.446880593	11.1755155	4.087004043	5.005149827
6.771392133	2.792931153	2.424475135	0.682644459	14.40536482	4.993711374	6.699194604
7.95857928	4.06049633	1.960001594	0.660953033	10.61038082	7.034671877	8.734107263
6.25127209	4.406022853	1.418801558	0.386029167	7.338458514	5.693705088	7.047684718
7.507349574	5.644171275	1.330106619	0.399478249	6.181457754	6.921187825	8.033739822
7.532853373	5.331721946	1.412836875	0.394380903	5.911832941	6.628817214	7.294622848
7.27828828	2.331706813	3.121442301	1.117120239	21.19924889	3.371423512	5.724184968
5.843795831	2.668523898	2.189898256	0.533633254	12.98286052	4.016005826	5.14618251
7.070152907	4.790806877	1.475774976	0.524265551	8.979607035	4.929101153	6.663232136
6.022060846	2.717693197	2.215872216	0.625936067	13.38499214	4.49190254	6.015728644
9.529991826	2.06602254	4.612724034	1.492944897	30.56664014	5.523867228	7.69281009

8.362955565	4.173788671	2.003684476	1.172385686	18.9130244	4.864470035	8.420949777
7.504555136	4.647596112	1.614717578	0.420982952	6.270424662	7.014710403	8.023294398
8.048564993	6.366896515	1.264126875	0.430150504	6.125071634	7.054327002	7.641646546
6.224521597	2.849517397	2.184412562	0.568851831	13.95052055	4.074408361	5.211255836
9.123039337	6.20978151	1.46914015	0.673479296	8.733435792	7.582313343	8.637172668
7.980272667	3.971946967	2.009158917	0.558573706	9.013761452	5.956243568	7.85914987
9.49644154	4.274076837	2.221869634	0.965552579	16.47877215	6.087523854	8.177811937
9.019846044	5.275924201	1.709623888	0.626641253	8.40677728	6.840889171	8.160723972
7.56391939	5.675297143	1.332779447	0.484486986	7.243806006	7.168934459	8.163446911
8.783495514	6.587417452	1.333374661	0.4957409	6.323429035	7.764317398	8.482291804
7.52342179	2.39830987	3.136968198	0.67932629	10.71535514	6.280189799	6.959683103
7.021577695	5.259443315	1.335041995	0.354926006	5.658024084	6.80089988	7.503033922
8.523558654	7.249342787	1.175769846	0.248445436	3.113606057	8.083951447	9.330579116
7.939754491	4.907800079	1.617782787	0.46432302	6.737205072	7.536611063	8.401086757
8.142902407	5.248407454	1.551499665	0.618735872	9.194983968	7.195741857	9.044039835
6.229580443	4.442256199	1.402346052	0.40410146	7.697386882	5.97678247	6.750363922
9.534776071	6.587173399	1.447476102	0.81978339	10.00724408	6.911518623	8.749763472
8.544172843	3.830076319	2.230810076	1.078521607	18.39917244	4.854577153	5.754758685
7.193933937	3.920583118	1.834914277	0.608331461	11.04137885	5.805286951	7.767696169
8.984249358	7.111428065	1.263353756	0.411609854	5.156246693	7.438488266	8.400409246
9.811508351	4.082152237	2.403513583	0.887156298	11.77393547	6.853755343	9.574491511
7.586433734	5.774638425	1.313750433	0.393253039	5.920444341	7.097848559	7.848858011
5.813191229	3.727766642	1.559430026	0.361192334	8.057578177	4.674508646	6.3152326
7.00155852	4.806399513	1.456715885	0.421951845	6.712799187	6.063925912	7.644247848
9.457733255	6.312638521	1.498221896	0.580008639	7.115174015	8.34679492	9.939450388
9.901191151	7.554055084	1.310712067	0.378018599	4.494557513	8.792670029	9.923566591
9.58880272	7.747765909	1.237621636	0.360525394	4.069678557	8.834658731	10.08223421
9.243363849	5.127916702	1.802557332	0.656899207	8.679919713	7.344903123	8.392502554
10.07442756	7.273653168	1.385057457	0.486342525	5.509505975	8.943482152	10.35269113
6.998020173	4.937961299	1.417188137	0.456737398	7.69302532	5.533231245	7.080683061
10.35540091	6.447812183	1.606033273	0.530494678	7.242715369	7.153363312	7.825921152
8.565712064	4.307411507	1.988598501	0.672537123	9.003751091	7.333596152	8.328604044
7.057751566	4.995261708	1.41288925	0.378198876	6.340979747	6.111967809	7.239204893
6.244783063	4.47306719	1.396085236	0.322707222	5.993208265	5.327670304	5.912200016
12.53140932	3.331173015	3.76186084	1.599535788	28.41132014	7.12667784	11.40721688
6.488161388	5.316115616	1.220470331	0.242766487	4.031763022	5.978594837	6.726859991
7.038383557	5.002847733	1.40687543	0.421152901	6.837205377	6.911153137	7.865941263
8.311597621	2.281336441	3.643302001	0.836158051	22.08781026	3.641137435	7.677555531
9.957090006	6.438450602	1.546504062	0.583121343	7.858974508	7.282841922	7.895131523
7.37658927	5.423884885	1.360019511	0.432796284	6.506684121	7.601899258	8.420582033
9.499662177	1.539570316	6.170333424	1.492822661	22.28365773	4.996462692	8.565790864
7.960035538	4.149999059	1.918081287	0.593576292	9.359440216	6.344021246	7.09376106
9.546530825	6.916910327	1.380172703	0.537954409	6.617685956	8.106365682	9.057567774
6.286752633	3.915188751	1.60573424	0.452210415	9.109286589	4.551411536	5.979556964
8.134936127	4.604574649	1.766707405	0.579871675	8.650829519	6.730638995	8.241616806
10.47951294	8.784892192	1.192901713	0.34595142	3.568881867	9.73763518	10.55467302
9.323710041	4.765019657	1.956699177	1.074640164	16.02268105	6.243902725	8.835960474

10.88490326	7.526205025	1.446267173	0.739567822	8.19761081	9.712954002	11.2972682
9.633891138	4.160453571	2.315586744	1.304038048	19.32685797	4.184159872	7.041010775
7.270044164	4.9283809	1.47513845	0.515804653	8.315321546	6.338256656	7.302093274
9.907839652	7.16457016	1.3828938	0.560086429	6.63849496	9.003540374	12.15430051
9.890866309	3.485099414	2.838044237	1.281577342	21.32080573	4.991594495	8.638214121
7.227712546	4.881925404	1.480504504	0.390417612	5.86765783	7.13715741	8.413076567
8.87105811	3.713817664	2.388662803	0.772467476	12.4121859	6.13480405	7.554831926
6.439811373	1.287308944	5.002537584	0.877735403	19.50073809	4.603469753	8.115602853
8.055714499	4.621696211	1.743021205	0.753493355	13.01282972	7.202732826	10.58295407
7.82640286	5.239536807	1.49372037	0.598364374	9.326526938	5.451220544	7.151578976
6.932380774	4.712638495	1.471019002	0.465726556	8.251968683	5.953119913	6.549933463
7.277743499	3.691020917	1.971742686	0.669267474	11.75748729	5.886549986	7.55009352
9.314377263	2.052881066	4.537222061	0.969390642	16.01497104	6.319854589	8.085932131
5.33095418	3.652929802	1.459363981	0.361927182	8.060877096	4.873954619	5.508359965
9.549597599	4.535320752	2.105605782	0.824973567	11.6977883	5.887347962	7.577941309
11.6980784	1.863371466	6.277910022	2.846601518	58.1790697	2.687887859	5.13823622
11.86445691	4.875346131	2.433561965	1.359479886	15.6348215	7.441534089	9.672754057
7.948574189	6.063087046	1.310978076	0.392479633	5.396546245	6.729530828	7.532692945
8.241028746	3.009919282	2.737956727	1.19264069	21.08282858	4.489264176	5.455809978
7.591915316	3.720846397	2.040373212	0.71917311	12.04144845	5.745927463	7.419100555
7.486854791	5.674354929	1.319419544	0.361107816	5.589724468	6.676751713	7.807635365
9.610849858	6.095198366	1.576790333	0.650967729	7.969986083	8.011581339	9.693913206
7.698200873	3.337711202	2.306431086	0.744178188	11.72806929	5.035351375	7.404809139
8.049996728	4.610242482	1.746111351	0.777233924	11.38405239	5.546670255	7.052319348
9.315097279	5.626872084	1.65546633	0.597572724	7.446451009	8.08459112	9.053816679
7.142497316	4.435349139	1.610357402	0.439548385	7.03703593	6.052348953	6.937857045
5.512574881	2.718604756	2.027722077	0.567402094	11.84417543	5.602109921	6.328504784
7.103609066	4.482735486	1.584659431	0.577365023	9.439684735	5.441733755	6.600655209
7.153690802	3.444035013	2.077124877	0.752659491	15.09269859	4.903728245	6.14056467
8.202023385	5.637344939	1.454944389	0.451874916	6.198619245	7.170243611	8.202383472
7.705578131	4.692197355	1.642211004	0.546936716	8.71790573	5.899912156	7.879623645
6.264297546	3.307403844	1.894022575	0.435649791	8.240287858	5.02806185	6.511485077
7.801245355	4.825870633	1.616546723	0.568470145	8.16200722	6.838610815	8.044139955
8.692727974	5.503747729	1.57941977	0.595622044	9.049666185	6.453085284	7.167564187
7.913307624	4.334151113	1.825803351	0.741707774	13.35228314	4.693642671	5.920282889
6.980329775	4.55515971	1.532400666	0.548790684	9.63036612	5.321203913	6.220628987
8.622915727	5.623257441	1.533437837	0.461796033	6.709450687	7.027800401	7.738164456
8.112566759	2.544719719	3.188000116	0.735346914	11.50582412	6.715287427	7.36241593
6.542062115	3.776623907	1.732251417	0.559273835	10.46645143	6.391840736	7.574750639
7.764597541	5.698406547	1.362591012	0.433024492	6.414742917	7.268254512	8.847268853
8.771342615	3.006035864	2.917910168	0.749530997	10.78469687	6.860068184	7.705405527
7.835174785	5.63619	1.390154481	0.419795732	6.123581462	7.595150292	9.008717766
7.598317376	5.349722631	1.420319875	0.541637694	8.614220087	5.951974441	8.84365913
8.276247548	5.102494077	1.622000422	0.519249962	7.525131558	7.162264187	8.516090097
8.605680012	4.566474445	1.884534802	0.779547015	12.92926152	5.869701235	6.946126853
8.229811082	5.248974178	1.56788942	0.537521008	7.56878761	6.957369714	7.59278437
6.701293585	4.554978775	1.471201934	0.404466701	7.308207222	5.915783667	7.309445395

7.1688351	4.917523517	1.457814096	0.52569877	8.904232031	5.870905371	6.622015198
6.716464529	3.4834295	1.928118404	0.512435598	9.092568712	5.732288805	6.885123045
7.440784881	5.838182187	1.274503714	0.401818382	6.086861551	6.785587466	7.648946475
8.639814776	6.344233101	1.361837536	0.461530968	6.490169153	6.713981748	8.160059492
8.03435787	6.12699851	1.311304035	0.363281089	5.03148479	7.434062473	8.406145212
9.093639453	6.398557442	1.421201503	0.607288578	7.582773611	8.235942738	9.02210257
5.539008952	2.783080943	1.99024357	0.50972127	12.84820419	4.026881003	5.423375837
7.36909665	4.790945192	1.538130025	0.456788863	6.981252401	6.199331519	6.924438992
6.067298065	4.520093951	1.34229468	0.324574333	5.949372968	5.160819055	5.888582697
8.148883605	6.83134447	1.19286674	0.267674938	3.506560289	7.582244392	8.112206532
8.58531567	5.56650681	1.542276705	0.557446754	8.476242047	6.713301122	8.165428271
8.745433704	6.097098798	1.434359848	0.51455291	6.597981485	7.683214607	8.748210191
9.149676695	6.826109904	1.340393991	0.453885613	5.836033226	7.295115053	8.688823645
8.485541842	5.132606644	1.653261672	0.571932746	8.19549096	6.240061236	7.762246311
6.448214664	3.123360038	2.064512123	0.660077801	13.33403522	5.312648295	7.329414674
8.389039969	3.998004416	2.098306829	1.01238122	17.41614217	4.622977095	5.613838337
7.63181356	4.951040185	1.541456598	0.422437201	7.048297024	6.07089829	9.179233027
7.893854498	5.104199827	1.546541038	0.456817757	6.828888322	6.639088886	8.025627788
8.043013377	5.802612354	1.386102136	0.499733377	7.147902653	7.086459231	8.054971843
5.75537824	3.642988198	1.579850916	0.3798743	7.766016009	5.009069595	6.088641337
4.495159269	1.474249509	3.04911702	0.444973741	12.58757295	3.594118718	4.164107535
6.751441739	3.727851049	1.811081411	0.615925918	11.39394165	5.75967789	6.627010322
9.025346221	6.45433508	1.398338653	0.459898198	6.024946894	7.756549878	8.812583445
6.179848022	1.835898966	3.36611553	0.712446021	17.07707433	4.194126018	5.111084933
6.440181906	4.922645298	1.308276651	0.343854129	5.849152341	6.424492416	7.327240641
6.251459781	4.273834038	1.462728717	0.43719402	8.455370656	5.040342354	5.589417565
7.241296781	1.531342791	4.72872359	0.775179485	16.73596929	5.102094238	6.577405092
6.95055182	3.510324895	1.980030917	0.466017542	9.049235169	5.397323517	6.282552303
6.281562706	3.347014056	1.876766157	0.43434606	9.113655954	4.965751772	6.822535801
8.093175287	4.5942088	1.761603715	0.484303992	8.457688367	5.438418389	6.619315676
8.023635874	3.899039397	2.057849398	0.65438032	12.71220694	5.075074081	6.011436329
7.474685726	0.85064958	8.787032758	0.857338109	14.75356905	5.944211386	6.99898719
8.389968199	5.98489615	1.401856939	0.58995908	8.278135233	7.934276781	8.900932637
6.266961942	4.372840762	1.433155764	0.426210611	8.01985724	5.450407134	6.151044036
6.801101116	4.671336296	1.455921964	0.525568162	9.253013783	4.953963173	6.047655582
7.021925458	5.300678956	1.324721893	0.295646561	4.759542764	6.480254958	7.3154583
6.325448724	2.280535517	2.773668148	0.696130759	14.16726262	5.134757586	6.744932387
7.762790465	4.739987517	1.63772382	0.792671576	12.69210408	5.063650059	6.399765204
6.676574449	4.218639998	1.582636691	0.412890412	6.976133846	5.865386548	6.756494717
7.610784626	3.313145955	2.297147403	0.605242478	10.73830522	6.12656059	7.606728947
11.23253304	9.862125862	1.13895657	0.301020519	2.830774105	10.4595209	11.15780133
5.753361605	3.316182579	1.734935115	0.462707034	10.26175741	5.273947739	6.59472861
6.357258051	3.526886037	1.802513034	0.613877109	12.15750232	4.8142555	6.23712217
8.982816653	0.268195377	33.49355514	1.04041109	26.93560703	5.246124573	9.508452471
7.56130651	3.121234987	2.422536765	0.661033784	11.02044683	6.329137319	7.738985096
8.860658723	6.389679612	1.386714086	0.483400005	6.224699232	7.803636082	8.472095906
8.421929382	4.939937656	1.70486552	0.668700969	9.914997385	7.190786775	8.329146172

8.496799365	4.023068179	2.112019729	0.940179813	17.49463436	5.228487922	7.301369038
6.55048611	3.33902939	1.961793487	0.505138946	11.22179121	4.835654361	5.494720525
6.319939226	4.269027295	1.480416682	0.466486637	8.715653866	5.638827113	7.504763069
6.154365767	3.854488955	1.5966749	0.409312544	7.755838122	5.355439966	6.99947551
6.764622396	4.191905316	1.61373454	0.482835265	9.278182779	5.61710547	7.196629018
6.013365892	2.604627789	2.308723694	0.743416478	15.49948203	4.342321263	6.033693769
9.172945047	7.068781185	1.297669967	0.47155821	5.711706773	9.334768109	10.89228034
6.362865048	3.802099044	1.673513755	0.450106913	8.429829099	5.169124824	6.66114247
6.431378435	4.272440936	1.505317108	0.401577698	7.341930057	5.756307508	6.792654584
9.716290584	7.349972288	1.321949281	0.524641808	6.033596732	8.513408103	9.602498494
7.675348566	4.41042925	1.740272461	0.658114665	10.71485401	6.658798116	7.768030197
9.611161198	4.047323223	2.374695735	1.041867994	14.20921953	6.087504098	7.633978994
10.71452809	3.23563135	3.311418062	1.128623608	16.74004747	5.723101975	8.31154983
7.956559457	6.222609072	1.278653273	0.329295664	4.552315724	7.46152532	8.21650979
10.35702898	7.488691434	1.383022531	0.378891875	4.207447351	8.567409722	9.344215473
8.027150628	6.036574433	1.329752613	0.370622142	5.313869447	7.077130421	7.759758247
8.372693265	5.821138869	1.438325636	0.479211437	6.840620626	6.559647333	7.442414572
8.379228171	6.373242438	1.314751204	0.402627643	5.477765729	7.750098571	9.270162712
8.791032865	5.456301045	1.61117079	0.670261351	10.35539337	5.803411345	7.227023403
7.151927624	4.092520974	1.747560408	0.597699863	12.07297076	4.903483388	7.132936154
7.435686713	5.115296732	1.453617865	0.456102753	7.288371231	6.128022603	6.694186021
6.882869781	5.035636735	1.36683207	0.316073417	5.294514874	6.040042537	6.989788556
9.920769265	1.069563949	9.275526979	1.676114568	24.99183347	3.797915046	7.948713497
6.505979735	4.796269421	1.356466696	0.422064668	7.255094788	5.626735048	7.114746007
10.5586093	6.893426012	1.531692554	0.597944857	6.778181288	8.473417453	9.970406007
8.649098735	6.269376478	1.379578777	0.485763188	6.339113804	7.63721266	8.684466988
8.683047653	5.233518684	1.659122318	0.623112905	8.410665289	6.735798716	7.78775692
8.07652525	6.582052973	1.227052605	0.318516709	4.268624716	7.944301246	8.765062484
7.983682589	3.487535994	2.289204356	0.809878092	16.39683185	5.451379652	9.20632308
7.328937129	5.110979605	1.433959377	0.393757742	6.267122599	6.301932063	6.954403004
8.924249618	6.570923998	1.358142268	0.448277198	6.157025382	7.746331989	8.695094403
6.767824404	4.473968997	1.512711511	0.439740506	7.243072265	6.277964295	7.282769147
9.485704832	7.19427271	1.318507821	0.379996604	4.538882694	8.479703484	9.286540947
9.204955414	4.98689795	1.845827909	0.663389456	8.322804371	7.005743791	9.485926442
10.24628698	4.227913295	2.423485598	1.075033899	16.90917397	6.169097613	11.76728425
8.646162531	6.012595351	1.438008385	0.44293884	6.383806021	7.105989619	8.01912868
7.281730832	5.365049402	1.357253268	0.316014802	5.092429362	6.576066418	7.790174997
6.805063099	4.956991005	1.372821353	0.387398535	6.828221323	5.870448986	7.878133178
6.716780298	5.24972068	1.279454795	0.259555045	4.522333011	5.92693673	6.637964736
9.436289789	5.864036266	1.609179985	0.615175092	8.171728728	7.465791789	8.682553073
7.171616656	5.35049798	1.340364333	0.361184131	5.827848605	5.816149242	6.483926868
7.196812599	3.769014499	1.909468006	0.479777077	8.358388842	5.616920868	6.366377204
6.821405993	4.586406682	1.487309449	0.401493303	6.855368075	5.885152671	6.301458213
9.164208919	5.979457769	1.532615376	0.600592468	7.7763032	7.791857646	8.872379104
9.77567619	5.574199153	1.753736442	0.852375817	10.23841503	9.634879275	11.33230966
7.208118335	3.110209466	2.317566843	0.600853954	10.51924522	6.305893088	8.262638687
6.44627202	4.220149992	1.527498319	0.409840754	7.642374825	5.571718538	6.259531331

7.604294326	5.459209254	1.39292963	0.493929367	7.621096277	7.113549829	8.978069723
8.336555476	5.389155753	1.546913071	0.621619507	9.26418183	7.018922303	8.697785081
6.351310495	1.893630612	3.354038773	0.771924086	17.50614907	4.253866942	5.218710304
6.698506833	4.630870085	1.446489906	0.417790905	7.28016169	5.282752906	7.191595827
6.74240433	3.261802787	2.067079088	0.618610228	11.18456513	5.964435821	7.013898069
6.373581257	1.261022259	5.054297187	0.772829947	19.22350099	3.751337957	5.700594329
9.917915119	2.221479896	4.464553173	1.547446878	22.28593585	4.459530625	8.767468861
6.798217271	4.197134916	1.619728078	0.502896242	8.794600958	6.065019955	6.741634207
7.507015823	2.140508113	3.507118603	0.748434204	12.48865068	4.884199196	6.029339969
6.925721297	4.524231841	1.530806011	0.453330088	8.271937365	5.455128352	6.810640721
7.603286726	3.435448608	2.213185989	0.949112328	18.18181469	4.5188848	6.459219149
8.648030434	4.068901023	2.1253971	0.914728917	15.16202043	7.619904566	10.36509505
7.893194971	5.152043705	1.532051245	0.566346739	8.382961236	6.844860611	8.777486552
8.9085621	6.774999664	1.31491698	0.43935854	5.549929345	8.595187986	10.415694
5.922227512	3.049513852	1.942023483	0.598965631	13.46657395	4.707188895	6.239742379
7.690512624	4.961845608	1.549929851	0.402143636	7.006424943	6.023169619	7.0661534
7.769183334	4.127267257	1.882403743	0.590323403	9.495070503	6.722634097	7.635067064
8.297184905	6.100727038	1.360032149	0.505131955	7.010149954	8.6177133	10.38218586
7.520257089	5.238951033	1.435450922	0.467666161	7.384488318	6.235261161	7.661854107
6.852141245	3.855963303	1.777024496	0.531489401	10.25604662	4.983882758	5.750284826
6.117913571	4.448435521	1.375295549	0.296342708	5.729093152	5.108099443	5.70407285
6.584319609	1.754053814	3.753772863	0.659775351	16.65477029	3.935904866	5.623785735
8.626192616	5.610940863	1.537387905	0.483112253	6.883674155	7.244688917	8.313415312
8.247215023	3.573427533	2.307928438	0.827557506	13.01841345	7.278378011	8.242635771
7.292902668	4.371406391	1.668319533	0.446347431	8.43722997	5.518300265	6.307321991
6.204218931	3.501699521	1.771773647	0.666400775	13.69936422	5.899379565	7.146755623
10.80013157	3.741068307	2.886911087	1.360225355	23.39806107	6.184074691	8.411097544
9.598963755	6.310548426	1.521098185	0.553167016	6.485252586	9.082835378	9.829388786
9.467839285	6.223069794	1.521409786	0.521793824	6.660941082	7.788085457	8.917187379
7.470499594	5.870085885	1.272638892	0.353591229	5.514252729	6.60707337	7.445894566
9.565359044	4.721473248	2.025926769	0.78891181	12.88176459	5.512632732	7.63712566
7.714495422	5.732853445	1.345664161	0.47261322	7.149517408	6.335628596	7.343404576
6.609263011	5.180755546	1.275733424	0.268643806	4.657032307	5.841953871	6.388699973
6.274881447	3.753983879	1.671525944	0.42605748	8.624296991	5.068036838	5.414527393
7.37075497	5.715312927	1.289650289	0.306237619	4.592544458	6.797365533	7.774094714
7.995389758	6.622139037	1.20737268	0.304674447	4.199247014	7.315814677	8.464963254
6.298187572	4.632971101	1.359427338	0.29409107	5.394694415	5.936380968	6.451402649
8.77549822	5.177297768	1.694995848	0.776048203	10.93635234	7.385784789	8.641455021
7.791453682	5.574039285	1.397811046	0.43241971	6.472441253	6.79438456	7.62493717
7.595273976	4.061786629	1.86993426	0.761902549	12.32164454	5.832954596	8.088994317
6.765704731	5.132175164	1.318291858	0.324427177	5.569109703	5.952456975	6.639733251
7.891255363	2.405189572	3.280928645	1.017659652	21.50638521	4.316867087	5.947451594
10.20278987	4.457340156	2.288986147	1.106961897	14.51229897	6.115300942	8.116647659
8.226565463	5.17359969	1.590104754	0.512469439	8.623946164	5.863271794	6.943221739
7.167496825	5.164720235	1.387780267	0.445863512	7.500939874	6.285015401	7.637927013
8.484950253	5.389046369	1.57448084	0.599950297	8.092650674	7.7768343	8.464976753
8.840217201	6.016638673	1.469295014	0.447934776	5.935287386	7.046178981	8.133780884

8.653895628	6.267086562	1.380848269	0.387112859	5.442442587	7.163234083	7.68015115
7.239351872	3.354759875	2.15793444	0.563999257	12.63384858	4.406411964	7.122677084
5.948656288	2.961887362	2.008400577	0.479796355	9.778958493	5.159164625	5.743252371
9.404901006	5.9714528	1.574977032	0.768749517	9.925872984	6.853643818	10.27573629
8.909761731	5.102131338	1.746282316	0.739611634	10.70488284	6.800099591	8.451837446
6.871733828	4.0590849	1.692926854	0.475316596	8.216794214	5.799889694	7.809012484
9.099037969	4.773711384	1.906072076	0.675226339	10.52974568	6.840600713	8.112145135
8.441207923	5.810120844	1.4528455	0.435409187	5.752458557	7.748606605	8.852303094
5.965549756	3.45603687	1.726124454	0.432822568	8.754870415	5.024488105	5.876655033
9.132563761	3.436886512	2.657220053	0.904421217	17.82681012	6.279318237	7.816029587
6.760770919	5.288779481	1.278323466	0.285185451	4.525930145	6.625342235	7.374390799
8.732285217	2.669383149	3.271274572	1.375297827	25.98771768	7.191213397	8.60485934
8.01384787	6.25077333	1.282057027	0.374568726	5.262902389	7.360711293	8.50365866
8.700261125	6.128405827	1.419661389	0.482465722	6.266195783	7.782936335	8.929174439
7.43828841	2.888509068	2.575130711	0.812945302	16.27017292	5.567784807	7.304897521
8.202414369	5.836892082	1.405270862	0.422217737	5.83356912	7.650620751	9.058428456
8.711340857	4.367771166	1.994459079	0.637676122	9.564705097	6.923456425	7.801011841
6.938843228	4.613833986	1.503921305	0.398601334	6.665313821	6.301068637	7.474355258
9.090359465	5.109820475	1.778997816	0.694376491	10.33755485	7.62904803	9.443443949
8.035329407	5.668343682	1.417579783	0.536366617	7.949412526	7.286127452	8.586037953
8.482431816	5.79109156	1.464737991	0.511424229	7.205963481	7.753731595	9.913080785
7.529180513	5.168123579	1.456849938	0.403464683	6.338963358	6.511283863	7.756234062
8.748928694	1.810470679	4.832405625	1.322424513	22.06016253	3.457147214	6.467535943
8.993676954	7.082974155	1.269759956	0.431173141	5.314952072	7.048492206	8.480182348
7.739546292	6.047419285	1.279809771	0.396697891	5.942085344	6.728072153	8.051721873
7.446506922	4.707147158	1.581957536	0.477652824	7.333971297	5.942857212	6.55895929
9.069365153	1.483943612	6.111664272	1.442812545	27.16475794	5.839016709	8.649456529
6.526850717	4.307725667	1.51515004	0.515023708	9.385739143	6.000165143	7.123890492
7.099860115	4.218658155	1.682966444	0.676499935	11.90284231	4.891342794	5.81183425
5.921506747	3.465551092	1.708676799	0.467891148	10.09512533	4.73427042	6.754257601
5.704679456	3.748482337	1.521863769	0.409389161	8.201056722	4.89237216	5.319659144
8.734441322	2.552151705	3.422383279	0.984996735	12.95445681	7.276917756	8.033955021
10.29463039	3.754057027	2.742267982	1.416851624	18.65111181	5.235608552	8.008429994
9.292770187	1.429877468	6.498997567	1.218563825	30.27446093	3.64397779	4.103882944
8.705656577	6.625707682	1.313921017	0.408389823	5.231024943	7.534591037	8.180766759
7.44846554	4.665825273	1.596387585	0.532895685	9.181120183	5.504355096	6.978977894
6.249247346	3.205358142	1.949625305	0.597106734	12.33447625	4.170178586	5.794181876
5.882419882	4.349211402	1.352525628	0.343676373	6.408067247	5.800794876	6.906706549
5.369617099	2.186227365	2.456111009	0.603388967	16.36598714	3.544274909	4.034025007
7.264382777	5.156232352	1.408854815	0.407137506	6.418106075	6.012508455	6.647802038
8.148656837	5.852203745	1.392408261	0.427953541	6.285181684	7.071323802	8.057083918
8.896933273	3.679972301	2.417663109	0.877992521	12.55055721	8.018347246	9.611397264
9.27048284	4.346553657	2.132835247	0.879154288	12.49369516	5.344408297	6.821287268
6.355504523	4.130694515	1.538604343	0.470833681	8.861277718	5.267986108	6.326383915
10.07883746	2.340846732	4.305637493	1.485650768	29.25849982	4.776842906	8.771743098
9.499246618	7.689959398	1.235279164	0.399629704	4.654562557	7.994285806	8.733196408
7.752071116	5.844530965	1.326380365	0.457276579	6.706121135	6.268989052	7.462481398

7.165997711	4.748596706	1.509076924	0.482570293	7.95413264	5.916863522	6.740757639
5.044770206	2.060524558	2.448294143	0.506444445	14.34073426	3.667732167	5.064071468
6.903320405	3.858082351	1.789313907	0.550591225	10.71360061	4.648829578	5.946529517
8.652510255	5.016632761	1.724764532	0.658804596	10.96860667	5.999470988	8.110045376
7.9252049	5.379314862	1.473274033	0.43934815	6.623831752	6.316836918	7.013660399
9.922566057	6.840103746	1.450645549	0.540189428	6.72611511	8.236345446	9.475081323
7.345865977	4.256162875	1.725936293	0.578366825	9.402473082	6.464463949	6.933805093
7.296924869	5.489801465	1.32917828	0.444311923	6.830988165	6.544388264	7.177348255
6.76289487	5.045230339	1.340453144	0.391105015	6.656091804	5.924352423	6.70605248
7.050447759	5.444493287	1.294968583	0.363913244	6.015440328	6.499721496	7.828232758
7.515919349	3.480232815	2.15960246	0.591007965	10.52853714	5.736197655	7.207161815
9.347874865	3.102137338	3.013365898	0.827266814	12.37819182	6.399072145	8.366300673
5.665906808	2.30001247	2.463424386	0.508365244	11.43315669	4.616244785	7.269991493
8.117797487	3.43105178	2.3659793	0.896748239	15.48739719	4.880416945	6.363176555
6.801827765	4.511295953	1.507732553	0.508468024	8.480387385	6.004310373	7.434184612
6.837747396	4.827303288	1.416473544	0.419557288	7.194404696	5.287516296	7.216404776
8.361964463	6.11850111	1.366668782	0.53597288	7.347828244	6.961264414	7.902218157
7.509345404	3.80101089	1.975617966	0.810407171	12.92192312	6.514845844	7.327038342
7.539565224	3.704049557	2.035492535	0.764000059	12.66810727	7.181286281	9.145586051
8.860543219	5.632034084	1.57324034	0.535393831	7.019906429	7.186962371	7.774063539
8.165947757	4.965800902	1.644437205	0.559927751	8.794609681	6.315074911	7.37871923
8.474672358	4.086732454	2.073703736	0.884633632	15.07996635	5.364125687	8.547097892
7.409461902	5.276494594	1.404239457	0.440192625	6.500761065	6.564718419	7.422864606
9.609327435	4.669630517	2.05783464	0.90702621	12.04865252	7.046096301	9.055380254
5.762751968	2.457809708	2.344669707	0.539063276	13.87307615	3.658250926	4.07430857
8.632196761	4.310369638	2.002658121	0.747270279	10.92532909	5.775863244	7.115530619
8.670624309	3.545596094	2.44546307	0.953691716	16.20246219	5.342324172	7.640789692
9.61555599	6.995002094	1.374632325	0.491121978	6.124189064	7.800871761	8.545430714
7.585319792	5.095879204	1.48852033	0.618671376	10.16672117	5.361860209	8.119856199
7.04421604	3.64186997	1.934230518	0.617302381	11.43973027	5.56877218	7.237943616
7.372278323	5.799691245	1.271150138	0.325421605	4.974477695	6.342577294	7.772696103
6.148946979	2.220124654	2.76964042	0.861386813	18.72158378	4.577736716	5.367253197
6.83015637	5.004330348	1.36484922	0.408236656	6.923544393	5.600272303	6.416179501
8.672883605	5.092042482	1.703222948	0.826034675	12.37159198	5.960503302	6.774031539
8.493259382	6.086434041	1.395440963	0.436135274	5.985737172	7.24960363	8.55379984
7.861565527	6.427696315	1.223076689	0.233692717	3.314368378	7.130568602	8.041065895
8.29458686	4.306869679	1.925896876	0.930589711	14.61174152	5.753344837	7.220294992
8.933685856	4.599733948	1.942217954	0.759399365	11.16004099	7.569948913	8.968809072
8.691301387	4.469602159	1.944535795	0.962119663	15.71935338	5.369027839	8.813556369
9.328779754	3.752771512	2.485837394	1.038727298	18.28371694	7.571654747	10.06731772
9.173804443	7.726151144	1.187370564	0.315955631	3.790354283	7.800262155	8.504225703
10.43077412	8.028535455	1.299212563	0.390043985	3.986788889	9.340634529	10.27227506
10.6496057	8.464760146	1.258110746	0.508164696	5.330509971	8.208858351	10.96918874
8.163052655	6.339485928	1.287652145	0.359936091	4.811490675	6.913218488	7.672313636
9.125671937	4.308949231	2.117841601	1.097346102	15.2169165	5.899780119	8.115038579
7.539367745	5.987053773	1.259278442	0.305583218	4.482209036	7.259101223	8.247445629
7.627033721	2.325018829	3.280418045	1.058031711	23.18662153	4.298600656	5.856026235

7.558545441	5.021618958	1.505200913	0.402351781	6.769487762	6.300558828	7.58077909
12.10260497	1.141460856	10.60273325	2.440738973	37.36684512	7.767012622	11.89946549
10.11558196	4.720115038	2.14307954	0.864481995	11.06384746	7.110617745	9.69870178
8.893490606	6.844316321	1.299397951	0.355549881	4.393099993	7.953096613	9.057008154
5.601271222	3.659045331	1.530801265	0.355697294	8.04186347	4.282007933	4.555845406
11.13346779	9.275503799	1.200308687	0.341230348	3.346384089	9.26134545	10.07244833
7.173628422	5.425804313	1.3221318	0.405206482	6.398921085	6.496651459	7.346503017
7.066151396	4.416521664	1.599935862	0.467720214	7.826474026	6.253278082	6.92191469
8.523343856	6.795155258	1.25432658	0.401844658	5.21636276	8.19087282	9.019424833
8.779672475	6.870679209	1.277846368	0.445855723	5.684295806	7.208041703	8.003723296
9.246905526	4.378407392	2.111933563	0.987054321	13.09447975	4.420269377	6.378707594
9.797436583	5.360895384	1.827574664	0.808857595	11.34202359	6.55177683	8.342403013
8.448166731	0.552046425	15.30336281	1.450543465	24.85062763	4.231985414	6.543370988
7.573119278	2.628567325	2.881082484	0.767815984	12.30989063	7.16529535	8.736033959
7.749399527	5.447265497	1.422621961	0.389868025	5.671533344	6.836218235	8.009309527
6.019792243	-1.133795419	-5.30941662	1.008002464	21.47586888	5.194513633	6.734384794
7.123334102	4.939107012	1.442231174	0.447027934	7.541910484	5.874505839	6.769782296
10.56442898	8.410862221	1.256045897	0.460066798	4.856563985	9.419500091	10.94910514
10.95259818	6.372096867	1.718837364	0.986396883	12.38266827	6.769928409	8.436258493
7.88243393	5.304567923	1.485970968	0.475343373	6.567081923	7.333423621	8.16702753
8.038258466	4.097384223	1.961802464	0.617976206	11.50522467	5.692415394	7.742714243
7.685086187	5.364548803	1.432568976	0.51180698	7.931557101	5.961854707	6.518668151
10.57007926	4.27425217	2.472965758	1.056096435	13.66610723	8.883227831	11.43932909
6.081916552	1.290811441	4.71170022	0.841266084	21.16890469	4.022779955	7.747373954
7.276038913	5.067620855	1.435789914	0.452383852	7.535062799	6.223621446	6.96939347
7.837536198	5.115523336	1.532108385	0.562241132	9.024713136	7.381034077	8.738048815
7.890472509	5.524074868	1.428378995	0.360925145	5.31662554	6.430619285	7.270170757
9.273753459	5.945916107	1.559684545	0.572346836	8.016667914	7.507657954	8.685402322
10.6274535	0.620657134	17.12290557	1.641348158	33.71219854	6.209667081	10.84064771
6.635544619	4.448345667	1.491688173	0.489979572	8.526409956	5.969119824	6.583616158
7.611770343	5.342426049	1.424777858	0.432558935	6.739594982	6.936451851	7.794429666
9.442504776	5.26007289	1.795128123	0.580033291	7.219927953	7.876705728	8.446432473
9.042774624	3.39091934	2.666761936	0.901133416	14.68243523	5.856696606	8.339420321
9.475760322	7.256429685	1.305843333	0.4552113	5.391830375	8.630331906	9.633827292
6.72077096	3.890383476	1.727534317	0.661374229	12.18286123	5.391312863	7.076358171
12.16188283	2.947626203	4.125992237	2.169471076	35.22465022	5.826316778	11.01150504
7.544224909	4.451098217	1.694913152	0.667340103	10.63713977	7.228911894	8.666644918
7.232343364	4.831689392	1.496856022	0.441279017	7.236529994	6.348448191	7.208979085
8.605449093	6.281002636	1.370075702	0.507606936	6.872193232	7.054310747	7.790086712
7.38608002	5.343092394	1.382360528	0.459548329	7.282334276	6.289987897	7.16975617
7.454983385	5.616991765	1.327219924	0.376630695	5.921423438	6.551105214	7.820451256
9.505411598	6.907710607	1.376058167	0.440586979	4.99736714	8.343564995	9.074716727
9.102962019	6.114850542	1.488664679	0.571976396	7.894365341	7.334078305	8.492096028
9.712610568	6.190755656	1.568889342	0.708592677	8.45899898	7.107115346	8.659791823
6.514359184	4.401569284	1.480008325	0.399455196	7.7322882	4.954231654	5.937991657
9.027098216	5.227428121	1.726871802	0.578318796	7.904489242	6.750481418	8.038972943
8.925575359	5.768213419	1.547372594	0.571105956	7.787207232	6.662922263	7.62243112

8.174358423	3.955187336	2.066743678	0.772362175	11.67185477	6.689621778	7.966206839
8.452195698	4.683259458	1.804767763	0.589586433	8.149125218	6.598216601	7.788472494
6.192292645	3.994068181	1.550372293	0.450558486	8.410690564	5.170812833	6.297081355
8.926412171	7.006830176	1.273958687	0.366758042	4.679509618	7.821652267	8.497823967
7.226470837	4.787551789	1.509429277	0.436632141	6.936902945	5.810966019	6.888483608
7.550987265	4.285384708	1.762032531	0.491607845	7.654400243	6.215430292	7.812182657
9.045056217	3.420308257	2.64451492	1.146702722	24.61791164	4.516500202	7.345347458
8.841115382	2.424564149	3.646476166	0.983116908	16.27015413	6.401958145	8.657931646
9.545730583	4.134498693	2.3088	1.418238	22.50372091	7.636273569	10.14708284
6.269056349	2.422068227	2.588307083	0.885549305	18.77695039	5.546689599	6.939352821
6.808420879	5.083662055	1.339274878	0.42110103	7.103881292	5.706311319	6.637066574
9.917113258	8.459428623	1.172314786	0.333852568	3.662976517	9.074867998	9.879064919
8.044742686	5.319515717	1.512307344	0.528378125	7.420274197	7.824547627	9.207916784
8.834677537	6.807186619	1.297845649	0.376931694	4.993249746	7.396990659	8.006032143
10.18660531	7.15562345	1.423580403	0.480292511	5.277646992	8.582353774	9.567714355
4.680359256	2.796933891	1.673389303	0.325066751	8.541179814	3.72581655	4.677116813
7.514980472	4.828882555	1.556256626	0.550960191	9.141182346	5.500068357	6.269683884
6.613025103	1.959456047	3.374929033	0.985251348	24.60001305	4.176955477	11.85435837
6.320582368	4.005058818	1.578149699	0.45322438	9.350542886	4.71482068	5.274252964
7.919996163	4.193671023	1.888559241	0.68709794	10.43239225	7.36951272	8.1212731
5.97973638	2.486212447	2.405159055	0.599634426	12.97480007	4.605271192	4.991979829
7.039889408	2.591575265	2.716451844	0.888001814	18.26363363	4.452811571	5.952260868
9.598194587	7.304308252	1.314045664	0.516082297	6.017105921	7.412802823	8.245844828
8.644603802	6.229222662	1.387750009	0.495263321	6.499727984	7.281074781	8.629782492
7.773214329	4.665032532	1.666272266	0.479984086	7.504996862	6.31326126	7.014909684
6.776611519	4.45010253	1.522798963	0.475238322	8.312251058	6.337924842	7.417692523
6.917799425	4.316605571	1.6026017	0.471647815	8.979594653	6.137238046	8.123448625
9.955774304	3.521937869	2.826788738	1.248179221	19.65779253	7.911223394	10.74984312
10.79669895	2.47017639	4.370821046	1.828158075	42.26610397	3.499370437	4.532441759
8.706866357	3.108058845	2.801384012	1.440665388	24.79182656	5.253208638	6.834714924
8.646856274	7.281441174	1.187519897	0.301328366	3.701050855	7.995820513	8.575600336
9.443885484	7.033690682	1.342664315	0.506098307	6.19195154	8.150730867	9.207098348
7.460839583	6.07219611	1.228688838	0.31383994	4.62533669	6.869225291	7.329247608
7.324145136	5.08704763	1.439763428	0.51720357	8.131827532	6.594412506	7.204733194
7.205991592	5.107218172	1.410942582	0.314588525	4.736169821	6.759749023	7.352368419
6.978900469	5.339010986	1.307152296	0.350118337	5.632302759	5.876515395	6.378340426
7.506426026	5.824162829	1.288842061	0.351525091	5.362546066	6.570849841	7.181620303
6.36507264	1.564614079	4.068142249	0.816850124	21.51541419	3.798569163	4.715607064
7.329123678	4.735855453	1.547581794	0.539158573	8.949834889	6.005077235	7.898152855
10.47437351	6.105575349	1.715542421	0.655301764	8.138574815	7.604341095	8.668207903
6.543407596	2.746694971	2.382284041	0.548842903	13.98444068	3.82142826	4.483963934
9.061995212	6.752784382	1.341964248	0.392459463	4.765483138	8.310956079	8.844757623
10.50664815	5.123869207	2.050530122	1.175181237	15.74114344	6.942432886	8.900090247
7.17953184	5.351502509	1.341591792	0.346482931	5.392915806	6.410909903	7.362442503
5.957060756	2.98334452	1.996772654	0.447623026	9.617695665	4.744671961	6.020943407
8.160057918	3.322460148	2.456028832	1.017667497	17.45640136	6.964508035	8.274253053
6.322029232	4.078384156	1.550130883	0.559549757	11.09425606	4.54019889	7.565103486

7.471590419	5.005140219	1.492783437	0.520974402	8.511908334	6.288593851	7.767845356
8.872011991	3.796252903	2.337044506	1.153739028	17.84701427	4.388765834	6.448048497
9.399805586	5.925346913	1.586372195	0.48980123	6.269728522	7.752944519	8.274537792
9.537002949	6.153884511	1.549753319	0.668445828	8.807396429	8.080730007	9.591854939
7.439376721	3.617658484	2.056406583	1.052345024	20.79613091	4.164003605	6.010746227
7.71414167	4.356609784	1.770675377	0.80861294	13.76383194	6.309139269	8.149033835
8.281034321	4.243950358	1.95125617	0.954568328	15.47182737	5.375517647	7.853294434
9.568052421	7.138414629	1.340360979	0.419359791	4.782062636	8.33587049	9.304334681
8.53287731	5.627007157	1.516414867	0.471529689	6.761143951	6.875896546	7.649946676
7.051639697	5.421236384	1.300743815	0.356541522	5.644982523	6.370838824	6.949167135
9.702827175	5.601538582	1.732171801	0.948349276	12.3086942	7.182131645	8.593708
8.741211653	3.7817404	2.311425621	1.239896184	22.35983433	5.495367817	7.329554407
7.386043334	1.437245519	5.139026865	1.540217095	32.9865365	7.47841741	9.295090673
8.291195804	5.552480936	1.493241652	0.548320848	7.890245383	6.890650776	7.963100992
6.439002042	2.662935329	2.418009169	0.604907091	13.9461664	4.322418946	5.128086172
9.381237116	4.020987387	2.333068029	0.819939674	10.98408601	7.209995677	8.242720523
8.817276579	6.604943792	1.334951039	0.526546904	6.822836152	8.275141242	9.359803934
8.486406301	6.160749843	1.377495681	0.504627903	6.671873691	6.7417439	7.883629741
8.704352895	4.382469874	1.986175181	1.082239435	17.43532779	3.974185613	6.023065476
7.720865098	5.098653357	1.514294963	0.393975878	5.693738698	6.879177464	7.733252438
8.286543723	6.371855745	1.300491419	0.353289316	4.759387685	7.517849548	8.518058532
7.248566628	2.146989326	3.376154013	1.035986043	20.87456032	4.313159351	4.740167187
9.306818436	4.98501312	1.866959667	0.647250086	8.194589508	8.139436601	8.989679582
8.426128	6.343148229	1.328382642	0.461627929	6.297957961	6.979264141	7.502293208
9.10663814	6.561520934	1.387885253	0.435023959	5.437343178	8.111922369	10.25505663
6.482403096	3.0514225	2.124387264	0.576606314	12.67591234	4.384975003	5.179784971
6.963122443	5.442515891	1.279394049	0.313090543	5.181075593	6.319365877	7.130266027
7.677649274	6.140917453	1.250244663	0.313600218	4.550917598	7.158544423	7.843054002
6.573398009	4.360678221	1.507425606	0.376827231	6.653609878	5.628934578	6.926196032
7.403068661	4.09182359	1.809234562	0.698531523	11.06812137	6.683224971	8.355313243
7.712709247	5.336093	1.445385087	0.448775304	6.983506041	6.78759001	7.584910855
8.653941223	4.40446733	1.964809947	0.78112857	11.40599307	6.090488408	7.447934135
7.831613771	0.958576445	8.170046123	1.114637789	19.81751597	6.589913489	7.841856934
7.753764487	5.172122248	1.499145634	0.467860869	7.025592243	6.076967323	7.819509549
11.14362861	6.395178118	1.742504807	0.77064695	9.847667779	6.609511668	8.839204743
8.191560615	5.258978388	1.557633443	0.519614948	7.421000686	6.842071701	8.003229797
7.998549798	6.101641479	1.310884919	0.373846447	5.347376203	6.975192591	8.462962301
7.879444895	3.510747546	2.244378097	0.670098782	12.86229833	4.542634457	6.479614098
6.01560855	1.595926918	3.769350891	0.791017787	24.63537104	3.282172422	4.074428744
7.107096428	3.692210156	1.924889464	0.602124779	9.918979589	6.346958244	7.560460481
7.255936054	4.492989407	1.614946174	0.545840259	9.259463633	6.550441201	8.423196929
7.961874245	5.315964391	1.49772904	0.524042787	7.595955079	7.408353321	8.434025587
9.38279198	6.776349857	1.384638069	0.485613411	6.291567122	7.847866422	8.682472144
7.042360522	3.393084642	2.075503934	0.718957015	13.68318936	5.018522399	7.500207394
8.507866529	3.10506698	2.739994526	0.878507553	20.77462437	4.063074688	4.787483615
6.733078549	3.848329621	1.749610665	0.630808666	13.10899154	4.317836672	4.919275966
10.91955213	6.03818248	1.808417048	0.940507416	10.6505336	7.783280296	9.669771265

7.464621596	5.266803006	1.417296524	0.361781245	5.74229768	6.164173068	6.81958269
8.965061903	5.833999871	1.536692167	0.630698486	8.640492151	7.729072488	9.047340873
7.813030628	3.04031686	2.569808013	1.077371647	20.86031472	4.322185813	6.339026625
9.912636491	7.252650936	1.366760455	0.545542716	6.395919021	8.173120755	9.315079756
8.892376036	2.210779682	4.022280515	0.916566429	19.50988579	4.514439538	6.548461589
10.69885766	7.976005506	1.341380426	0.526664342	5.616254372	9.012163271	10.40066507
8.805221542	4.955388454	1.776898345	0.805346818	11.50651299	5.81966203	7.673344003
6.439588648	1.878688271	3.427704716	0.800263853	21.65395926	3.774360371	5.637404524
8.056869568	5.370221067	1.500286388	0.635287823	9.698186053	6.464379756	7.553337505
8.901267548	3.109386505	2.862708619	1.325385229	25.1985684	5.187084895	7.713972145
7.34669794	3.588072095	2.047533535	0.576502567	9.322993955	6.389319707	7.719033174
8.056535202	4.863199947	1.656632524	0.684146186	11.21039522	6.03355864	7.526536094
7.357428518	3.499339556	2.102519176	0.901432861	17.30041052	6.547567644	8.209798909
11.20740216	6.600456834	1.697973706	1.21214959	13.49657062	7.477062505	9.193283598
9.026976414	4.649274659	1.941588113	0.960116156	12.99096148	7.358858456	9.269021255
8.562410597	5.189841348	1.649840529	0.658831231	9.525955007	7.872000247	9.306344792
7.629585539	3.985268197	1.9144472	0.72856905	12.74028284	4.907051994	6.514971535
9.468239487	2.305685732	4.106474424	1.398167498	21.65195069	4.346768146	6.978230257
10.21551594	5.093750824	2.005499737	0.965724822	12.58402556	9.092679598	11.83869417
7.815218917	3.302632599	2.366360376	1.024942583	18.66569878	6.583696081	7.39037182
11.76063746	5.120470941	2.296788244	0.953878127	11.70089487	7.20500371	8.542714867
12.34013354	10.16844125	1.213571799	0.510053084	4.540192225	9.729535608	11.09759852
8.4357534	3.486640472	2.419450318	0.904768345	15.90778325	6.864304719	9.224310916
10.61651259	7.619845208	1.393271424	0.617854804	6.367880033	9.777708155	11.05554853
8.770261825	2.725692601	3.217626897	1.487954193	27.25711306	4.385461162	9.149406983
6.517941228	4.629495405	1.407916124	0.367731711	6.630748015	5.552420548	7.461392327
8.680258282	6.306499166	1.376398863	0.511128552	6.787582496	7.316278725	8.584661479
10.26103091	8.092000617	1.268046234	0.44544786	4.886092462	9.265800453	10.25869199
9.247933072	6.071886345	1.52307414	0.628831165	7.817277027	8.874467601	9.763368815
8.454907426	5.728982666	1.475813058	0.446741495	6.392875279	7.062339868	7.943370243
6.176003213	4.508565549	1.369837734	0.365576468	6.639394622	5.616932998	6.367057735
8.848919864	7.050711783	1.255039227	0.376065004	4.628886404	8.401886768	9.261585857
7.460903223	5.436897884	1.37227209	0.447388394	6.883231445	6.352135647	6.992801379
11.29092865	8.296925474	1.360856944	0.490238508	5.25616285	9.471551536	10.39985144
7.336219751	4.904960775	1.49567348	0.382829714	6.329527124	6.06821884	6.393074452
7.63188208	4.328764309	1.763062513	0.684513606	11.76689449	5.882991405	7.106976425
9.537581453	6.076854057	1.569493255	0.640628567	8.162634691	7.601723567	9.523282063
11.77489652	8.112549784	1.451442128	0.779689197	7.563261144	8.626697975	10.57298196
6.893063332	3.247952935	2.122279315	0.597786393	12.02123786	5.176979148	7.072804597
7.493085362	5.364532885	1.396782445	0.333635482	5.263945622	6.096290832	6.965427603
7.815171257	5.942214769	1.315195018	0.461404268	6.722169803	7.162279619	8.539469874
6.54128149	4.754146142	1.375910899	0.369260489	6.665361371	5.831418211	6.459444918
8.884996822	5.509311692	1.61272357	0.511716779	7.54639156	7.174851296	8.390542321
5.755619496	3.889485029	1.4797896	0.328009457	7.006580786	4.978609397	6.105362593
8.04722624	5.406132053	1.488536751	0.647911922	9.874685199	6.437616021	7.311873615
8.593017147	4.800755848	1.789930048	0.60177394	8.981960956	7.04748861	8.4197582
8.33247623	5.919570275	1.407615054	0.533818569	7.552340572	6.808952433	8.131743056

8.203362972	6.01168179	1.364570391	0.386296758	5.325577005	7.52290848	8.464140059
11.97202498	6.029334505	1.985629587	1.246386684	14.86749787	5.635500436	11.63665133
6.721733492	4.183930966	1.606559369	0.52436537	9.687456273	5.360477506	6.201238654
6.838714969	4.599507988	1.486836198	0.556849465	9.782608811	5.667737817	7.335769369
7.471871998	3.502957263	2.133018315	0.895279411	16.03898415	4.608879025	7.135940061
8.282330413	5.702092101	1.452507302	0.457359319	6.303630792	7.48424191	8.676208238
7.966617941	4.118445766	1.934374858	0.664427727	10.02525597	7.114332435	8.491121294
7.239585513	4.566090945	1.585510582	0.52259988	8.352568212	5.939517606	7.068964571
8.615414392	5.256452671	1.63901683	0.531595791	7.484269551	7.256118963	8.557521794
10.9213615	2.060524253	5.300282918	2.100602566	33.36910719	3.883572013	7.91646319
7.922439864	5.582927395	1.419047626	0.458977408	6.913239453	6.77818647	8.028345381
6.77888543	3.752334262	1.806578241	0.47611057	8.873514409	5.989702669	6.52290938
9.999685109	7.454623486	1.341407132	0.462131635	5.201787045	8.661690724	9.611367379
7.556584432	4.544010241	1.662976981	0.581054253	9.461552779	6.557805686	7.110929202
8.463181654	6.323678139	1.338332133	0.480667869	6.436835095	7.37103092	8.11732717
9.066401871	7.771160358	1.166672859	0.271994736	3.228760105	8.54474716	9.131310583
7.341950845	4.992305743	1.470653286	0.458888729	7.155058351	6.262620875	7.461021746
8.676867421	6.488413374	1.337286471	0.489342347	6.534392906	7.452252358	8.639665346
8.244329955	6.261143707	1.316745045	0.413604952	5.782408058	7.143045705	8.203683834
7.725553477	3.222031814	2.397727249	0.653969156	15.9779341	3.996361106	4.735325324
8.88769583	6.892155908	1.289537838	0.41338192	5.235548098	7.990150669	9.198195702
8.620153377	5.748910632	1.499441186	0.544552654	7.285396271	7.765455	8.941939235
9.073421628	5.697269925	1.592591144	0.575136231	7.157603259	6.960271076	7.886881688
5.744971891	3.69374604	1.555324007	0.407039083	8.920787778	4.438994887	4.894319399
8.419863693	3.648371629	2.307841566	1.024287348	16.49264877	6.276938908	7.895418338
11.30544387	9.63814686	1.172989376	0.394061327	3.740547663	9.523727712	10.34140808
7.198964167	5.389452944	1.335750445	0.329083613	5.322372421	6.096879547	6.881560914
8.332831814	5.582114843	1.492773267	0.449016358	5.993932682	7.508167697	8.65336543
9.106581029	6.493500526	1.402414767	0.49740751	6.434029034	7.84348687	9.63750055
8.580290563	6.383742339	1.344084724	0.373300385	4.853372598	7.679748783	8.287779193
10.04288857	6.942907164	1.446496162	0.578972763	6.808986165	8.376963122	9.896253166
8.188774022	6.309581292	1.297831606	0.385781767	5.489478521	7.311494076	8.870777919
6.267138769	4.638801857	1.351025321	0.310057221	5.666397633	5.406196361	6.095766439
8.106895459	4.035029977	2.00912893	0.690860481	10.2584359	7.421619922	9.741782875
9.215621817	5.952644799	1.548155841	0.625325629	8.39879723	6.684251113	7.679341336
6.511162917	4.652215559	1.399583238	0.312600937	5.399134643	6.219286884	7.091172883
7.096625194	4.255407469	1.667672308	0.460727751	7.841671132	5.591785572	6.772662889
8.328117117	3.914964874	2.127252066	0.73830534	12.4037392	6.106785469	8.628154287
9.365319086	2.103732463	4.451763355	1.537696715	24.22236863	3.280008324	6.944910668
7.218223707	1.721237474	4.193624537	0.758020403	12.1364695	6.543013303	6.987344752
7.085283167	3.907004024	1.813482434	0.602484501	11.21229511	5.303381165	8.250155535
7.776017571	4.817237132	1.614206932	0.604112874	9.704880744	6.573307415	8.077331833
10.16975509	5.799987764	1.753409749	0.77028052	10.03988287	7.98259491	9.346709263
6.439648637	4.925777641	1.307336446	0.358651542	6.316722014	5.982450221	7.211965787
7.299845113	5.591215264	1.305591856	0.305428834	4.760489223	6.523393793	8.272198629
7.916219602	3.75989434	2.105436719	0.621113437	9.298391704	7.338434638	8.654264742
9.650287403	6.833689229	1.412163632	0.571236444	6.942420028	8.544421245	10.14190369

7.870050289	6.00440591	1.310712568	0.320598034	4.776043555	6.620125053	8.148680356
7.470065484	3.457698067	2.160415785	1.023107603	20.59802311	7.062512805	8.557630926
7.88018114	5.281590551	1.492009095	0.389399859	5.722597834	6.629278731	7.252924309
8.523904092	5.542120689	1.538022098	0.630351053	8.921915262	6.858618732	8.105259592
8.229918713	4.505602133	1.826596861	0.806447299	13.54200735	5.499979458	8.386393133
11.28075214	0.080320918	140.4460066	2.272819269	31.93546268	4.244593825	7.61511289
7.294847069	4.128738708	1.766846387	0.627716279	10.29352961	5.10629427	6.905253126
8.469606391	5.599867193	1.512465582	0.432734843	6.606695992	6.250113447	7.001884667
8.095595981	5.099136873	1.587640454	0.38727434	5.918931657	6.585335108	7.160889874
10.83235714	9.10008136	1.190358274	0.335782508	3.411538445	9.730473032	10.323828
10.52617105	6.927388356	1.519500642	0.606727402	7.130473566	8.311521047	9.426257842
9.230874298	3.500709752	2.636857938	0.982944294	14.16851666	5.295452854	6.874125907
11.60206009	6.306647246	1.839655785	0.838895592	8.746628412	8.453341913	10.03135223
10.48693751	8.236418638	1.273239981	0.517634745	5.382203103	9.39881353	10.66446693
12.79302091	2.298861877	5.564936735	1.708289708	36.79593554	5.461939931	9.09548938
8.241714323	4.891636222	1.684858389	0.615356984	9.393437916	6.65540639	8.133356907
8.586339962	5.698211217	1.506848313	0.535311132	7.90446041	7.236551871	8.294436154
6.992662729	2.998415521	2.332119308	0.547643469	10.13405603	5.249019058	5.927953364
8.281100974	5.914095043	1.400231297	0.470176375	6.562126633	7.325880903	8.246028707
8.691242246	6.348493973	1.369024257	0.518815889	6.773738177	7.904593696	8.743071666
9.244430328	4.424706929	2.089275172	1.070900078	16.87453745	7.427297104	9.770599227
7.935085872	1.139065966	6.966309336	1.305119595	34.594406	3.524036233	6.089037149
13.03417745	0.927704501	14.04992369	2.38244673	35.46059422	3.323978905	6.761985749
7.41349364	5.495487818	1.349014662	0.405571608	6.163989103	7.044754452	8.036170022
6.912238096	3.112945235	2.220481754	0.611535207	14.56171618	4.413797606	5.267900801
6.182661851	2.610672491	2.368225762	0.525466985	11.35551699	4.675024548	5.897694678
7.774216701	5.730906747	1.356542175	0.424480063	6.186187464	6.822794826	8.310153453
8.73349304	2.887568265	3.02451483	0.97671952	12.99712884	7.61173328	8.450429393
9.823656794	7.403360132	1.326918672	0.439686635	4.874396013	8.646282878	9.471841154
8.799185248	7.070173998	1.244550028	0.327393567	4.039954117	7.73633968	8.5323029
10.25587954	6.356584777	1.613426062	0.652437787	7.113093505	8.597894837	9.457540517
11.82647364	8.930626469	1.32426025	0.733144319	6.964567694	11.39583373	12.61050257
10.00550899	3.401974975	2.941088358	1.400836947	24.77268879	4.659214122	8.015746543
6.677380186	3.791031777	1.76136223	0.533885743	9.726976858	6.397889212	7.966574506
7.765416556	4.084258256	1.901303999	0.686372119	12.45456631	5.40912134	6.635093746
12.10765067	9.185888268	1.318070753	0.665662671	6.223974628	8.816938958	10.41943212
5.7983941	1.639156686	3.537425158	0.772411982	18.82996115	4.166795584	4.734336861
9.219290789	6.344210784	1.453181665	0.564900194	7.050738822	8.121144425	9.263374341
6.598976553	2.804223095	2.353228088	0.608025083	13.59848643	4.422577374	5.875930517
8.11021112	5.835317357	1.389849193	0.433457678	6.521770442	6.68659986	7.91199909
11.68894001	7.553383773	1.547510409	0.603585517	6.800667841	9.1083742	9.989224735
10.12981084	6.904986576	1.467028318	0.533917496	6.27074446	8.138459524	9.032690681
9.507487295	4.463439196	2.130081061	0.895445075	11.81244298	6.838555435	9.605624361
8.65330075	5.217076141	1.658649503	0.564616261	8.819810825	6.482379836	7.637366274
8.851463829	6.082405073	1.455257209	0.489987021	6.264647429	8.310856229	9.240802096
8.346833361	4.628506916	1.80335333	0.648556838	9.416450539	6.220231833	7.535514187
6.509185514	4.499286143	1.446715169	0.351345556	6.139253355	5.730350749	6.249100886

8.632441944	5.262065738	1.64050439	0.691352517	9.971087745	6.735254957	7.907529512
10.68082232	2.71491319	3.934130329	1.994217702	32.9463297	7.330392164	9.326237303
7.62950462	5.09005903	1.498902975	0.458068866	7.237611695	5.979313812	7.514696528
8.393233606	5.763039148	1.456390177	0.437118279	6.170863495	6.891401426	8.072351293
9.183393301	4.740457623	1.937237716	0.676988909	9.798542737	6.56535433	7.336502684
8.214767158	6.642035615	1.236784569	0.31234096	4.157204248	7.571408298	8.338340646
7.79413321	4.530915088	1.720211714	0.607199593	9.587425628	6.04221752	6.913822988
8.044975386	5.284949749	1.522242551	0.483353387	7.038588083	6.723573568	8.496193095
9.451310161	6.552562282	1.442383873	0.693282279	8.796533744	7.21820074	8.079537473
11.82088625	6.791867841	1.740447035	1.058581415	10.90259234	10.78629377	12.87181411
8.388068982	2.989322236	2.806010299	1.461545904	25.34101198	4.081834159	7.421625933
10.03065126	4.671892081	2.147021182	1.130866706	13.96677674	6.075815402	8.983473994
9.70257189	2.402613669	4.038340419	1.17198185	23.94866796	4.480066271	5.180910111
7.467640649	4.462286366	1.67350099	0.616939796	9.89530712	5.515843708	6.795358249
9.15731313	1.637541854	5.592109359	1.30896339	20.77544254	4.864631017	7.638340624
5.141844538	3.17514436	1.619404964	0.373221733	8.621267897	4.554157469	7.828154002
8.86315607	5.044545323	1.756978182	0.688156325	9.816554921	7.870499159	9.306331452
7.685397323	5.411720364	1.420139402	0.408898032	6.312855771	6.604579419	7.275030657
7.381940154	0.925478878	7.976346437	0.830133356	13.72354189	6.09069331	7.227991252
6.622256969	3.640784692	1.818909255	0.765028298	15.81792553	4.880134978	7.289925114
9.267109281	6.212921799	1.491586339	0.498433064	6.460543258	7.659820577	8.828294426
8.377696568	4.436115974	1.888520638	0.61364907	9.112848801	5.611456229	6.793745043
10.77268913	4.46320108	2.413668786	1.620961027	19.35195501	10.19103657	11.90168259
8.414994567	6.01178938	1.399748733	0.557365428	7.668966745	7.747290143	9.515544689
8.813201439	3.286368839	2.681744464	1.20338352	20.16976826	5.151805738	6.611689042
9.255164326	7.567720067	1.222979212	0.30378646	3.609125666	8.115657633	9.007090261
7.475212294	5.879808557	1.271336	0.276804311	4.166235617	6.733654343	7.770469159
8.324325354	4.456100702	1.868073886	0.638259559	10.85071164	5.452507795	6.716073886
5.90431143	2.30400603	2.562628463	0.680621686	16.43790908	4.240019032	4.907907798
9.600786285	3.12038175	3.076798627	1.074584555	20.21278874	4.8019815	6.31507793
8.773039955	6.64736754	1.319776574	0.351800231	4.486482069	8.027084201	8.677402868
5.948570241	0.121478643	48.96803349	0.913038397	27.3948848	3.451314492	4.261076716
6.138854475	0.027432433	223.7808998	0.781273455	19.24488194	3.949116352	4.789126951
6.744289032	4.769649664	1.414000924	0.358114126	5.845029628	6.114999033	7.376490036
8.142530066	4.860811084	1.675138146	0.61170181	8.8636603	7.119553226	9.219727333
7.684134358	1.69072389	4.544878324	1.058632423	23.65004306	4.285172279	5.227869784
10.72887128	7.586795372	1.414150607	0.566849963	6.113047002	9.286994793	10.63782773
8.967490646	7.051990734	1.271625415	0.396877188	4.786758921	8.550704714	9.711721706
6.711262841	3.631099093	1.848273118	0.543870055	11.79549071	4.720786485	6.961856679
7.051837348	3.57352043	1.973358621	0.533724439	10.28196739	5.197939846	6.42275797
6.305713797	4.890183954	1.289463516	0.348624512	6.2051407	5.787902343	6.487648239
8.031069838	4.849331451	1.656118976	0.619502882	9.26973053	6.486474099	8.020114087
7.798086821	4.810373767	1.621097902	0.481352249	7.817005061	6.322695269	7.251280651
7.824864851	5.184474283	1.509288006	0.45100479	7.186898496	5.739765204	6.395905426
7.384826551	4.705351681	1.569452626	0.476692783	7.850597361	5.757000147	6.452944336
6.552484269	3.808231253	1.720610917	0.509486831	11.15593782	4.659013205	6.422387008
5.699557585	2.30429736	2.473447084	0.610510289	15.98134246	3.848213224	4.873632468

7.624692341	5.976866796	1.275700564	0.368639926	5.510588981	6.753878122	7.484454085
8.634831106	5.407731054	1.596756758	0.67622278	9.81781316	7.130056795	8.263413008
8.369592447	6.797335125	1.231304959	0.355585348	4.661145202	7.377140824	7.840512336
10.60170933	8.906533172	1.190329517	0.308635031	3.06689854	10.01695451	11.00298551
6.685353048	2.894428255	2.309731822	0.491899688	8.562644544	5.809402392	6.423436599
8.882608809	6.203821448	1.431796334	0.427019375	5.445459442	8.256089533	8.939963824
8.006838154	4.076882227	1.963961113	0.705354514	12.66196594	4.992413762	5.941879177
5.869229852	3.541108862	1.657455357	0.39235971	8.824953908	4.411975724	5.256606111
4.870770474	1.194336815	4.078221832	0.479690764	12.41122448	4.021137861	5.538857445
7.157234662	5.436004851	1.316635076	0.392576575	6.370739907	6.4470858	8.249483538
6.184134396	2.230598371	2.772410523	0.830066923	20.93817311	4.297162539	7.530133058
5.968184079	1.668438346	3.577107956	0.545289353	13.34196394	4.166042006	8.908671093
8.490405523	6.871703635	1.235560492	0.389698157	5.018748987	7.623616063	8.262593326
7.019884663	3.302366725	2.125713238	0.596816489	10.06754992	6.18688789	7.288489954
6.881976297	4.922465815	1.39807498	0.37140424	6.189910397	5.52336221	7.351658015
7.814069055	5.09393731	1.533993958	0.509174781	8.019427804	7.024310292	8.006376082
6.349247313	4.106129223	1.546285314	0.423385556	7.656286574	5.548860049	6.433571005
9.360856748	6.666864722	1.404086799	0.480688234	6.020926336	8.181667856	8.91942518
9.291313576	3.73054542	2.490604598	1.105544326	14.92526264	6.465747811	8.513686166
7.54609772	5.026949894	1.501128493	0.411229135	6.605382664	6.879333663	7.651273697
6.478093887	3.403767702	1.903212691	0.523467965	11.40248564	4.951166069	5.989048984
9.699546838	5.489388641	1.766963039	0.830345966	11.03245327	7.371141619	8.604047589
8.183123564	5.499166972	1.488066603	0.623092433	9.403151655	7.123532232	8.331077529
6.482181966	1.717627897	3.773915163	0.836532009	21.32449702	3.758553817	4.235450397
8.223091932	6.271005373	1.311287655	0.393432334	5.261857481	7.748994077	8.356853892
7.215989632	3.47581247	2.076058387	0.715517719	12.55367244	6.53542658	8.053247656
8.530194977	5.424238797	1.57260683	0.689950708	10.41988468	5.993154977	7.046976888
8.91340886	5.25466386	1.696285262	0.72394291	10.03508289	5.694817039	8.002737332
7.913004143	5.737102015	1.379268509	0.446648491	6.644148106	6.221160354	7.355493144
9.399585159	6.051735464	1.553204897	0.64064762	8.201060328	7.167324491	8.427367338
8.312738842	3.404076946	2.441994989	1.055886417	17.38047779	8.05853176	10.06824787
6.783540129	3.841180162	1.766004156	0.502553328	9.75249161	5.292122288	9.194094623
7.405905812	5.288856156	1.400284975	0.36406792	5.714911117	6.318671948	6.76802652
8.599735856	5.214657349	1.649146872	0.508629451	7.453343167	7.150480298	8.289705832
6.717332522	2.521599506	2.663917289	0.784426058	16.39699916	4.873836428	6.860303915
8.879918481	6.434137918	1.380125604	0.522210278	7.142550245	7.249287109	8.201767711
10.25201217	7.214454147	1.421037816	0.639356837	7.248274178	9.179591402	10.67919379
9.559400958	3.670894704	2.604106554	1.20399449	17.71668092	5.640784076	9.314038848
8.758260356	4.940696391	1.772677303	0.746719511	10.94073885	6.519614924	7.30065544
7.669616482	4.05321409	1.892230786	0.571388407	9.891603834	7.095913695	8.578885894
10.00631587	3.457902509	2.893753033	0.767809014	12.35913922	6.463375952	7.050927437
7.362116488	3.647605091	2.01834253	0.728508488	13.08262959	5.454049428	6.466720955
10.50925361	2.447652374	4.293605464	1.834583781	32.38056832	6.637058436	13.27445444
10.29691599	5.233468421	1.967512778	1.18894485	14.90096902	6.384796858	9.047132762
7.889683833	3.460754939	2.279758021	0.632550857	12.88139238	4.789205807	5.451826144
10.347892	4.125309626	2.508391596	1.012622979	14.42963504	6.00302231	7.350627485
10.00835686	7.055233183	1.418572087	0.53411432	6.303338029	7.938211098	9.179421436

8.659245276	6.455117112	1.341454404	0.436872841	5.941225173	6.982652882	8.040989762
11.71033293	7.918952283	1.478773013	0.609968216	6.274239171	10.04624545	11.26621179
6.27718863	3.28832346	1.908932836	0.556252511	11.2053587	5.085374507	7.366199561
6.926916697	4.538072541	1.52640061	0.418781504	7.020412029	6.097591564	6.745945086
8.157282889	4.332105965	1.882983231	0.749637742	12.22821075	5.258939833	7.134132343
10.78750402	7.072255668	1.525327212	0.617330151	6.89713418	8.718486457	9.486625144
6.714411203	4.956070396	1.354785277	0.349452415	5.960877275	6.157739165	6.612045548
6.926132216	5.502710333	1.258676506	0.338010709	5.416287239	6.097452768	6.866427092
7.765900454	5.271343566	1.473229805	0.493405353	7.526242269	6.761588152	7.96833485
6.459170993	3.101899744	2.082327453	0.568452637	10.52010665	5.740848378	8.611577868
10.24532938	6.729580721	1.522432051	0.47679406	6.083034444	7.843243279	8.546299973
7.078810834	4.34774701	1.628156104	0.460013372	7.876619741	5.696031603	6.474964065
9.392222795	6.772134866	1.386892462	0.575008825	7.123811867	8.491356381	9.777035216
7.119729245	4.871167346	1.461606375	0.359134219	6.032106968	6.028269991	6.582919654
7.738008146	5.459161305	1.417435337	0.412750686	6.100527402	6.639465695	7.281577044
8.344136044	6.254440571	1.334113891	0.429933694	5.924305875	7.341528313	8.489180328
9.629895855	6.637471688	1.450837956	0.477560944	5.592587916	8.147297186	8.81617278
7.445247822	4.054274786	1.836394476	0.689216759	11.70257658	5.99821221	6.962073464
8.481809303	3.34693851	2.534199322	0.928657498	14.8941755	5.270556837	7.190636802
8.390820322	6.332879258	1.324961361	0.392342493	5.226014951	7.464006043	8.589558567
8.405911802	5.726901893	1.467793924	0.596515817	8.210651202	7.949461827	9.101139227
8.032919588	6.844236908	1.173676437	0.265714363	3.543787335	7.717057335	8.257493699
8.776078103	5.776944787	1.519155614	0.595841678	8.538705868	6.498757807	7.402668535
6.616403845	4.237620649	1.561348783	0.562014286	10.8923735	4.755258277	5.428259995
7.757875836	5.298667082	1.464118375	0.486282655	8.130291035	5.601407155	6.409347836
9.577414392	6.970301984	1.374031486	0.485860138	5.715670013	8.4909834	9.550734465
10.36851703	6.48897355	1.597867052	0.610787123	7.722988625	7.802443469	8.561359217
7.931852078	5.304465952	1.495315862	0.482634007	7.591414983	6.245870547	7.036527614
7.793600846	5.790459224	1.3459383	0.381279138	5.705144417	6.462513697	7.248674734
9.100299311	6.569535713	1.385227162	0.481264872	6.052463202	8.314905138	9.38496879
7.819799304	5.850381453	1.336630674	0.453781804	6.551867491	7.051023054	8.436157644
9.394649739	7.13553845	1.316599974	0.517257257	6.199526334	8.289521077	9.35477364
9.663773307	6.685656425	1.445448688	0.46081567	5.909051774	7.657693264	8.134458692
9.78387238	6.313130097	1.549765684	0.729514427	9.272024453	7.148954562	8.338298445
9.901557719	7.580510392	1.306186155	0.401004384	4.56027002	8.542492311	9.278958282
8.728795574	7.187917626	1.214370563	0.324599759	3.979257912	8.386038056	9.44202318
9.836210517	6.690138683	1.4702551	0.590366797	7.10686098	8.875376335	9.837106818
10.18677643	6.504293138	1.566161951	0.618870149	6.918655495	9.072309817	10.16720789
9.735355993	7.592309003	1.282265512	0.448254307	5.150141209	9.412549361	11.10078257
10.85747661	4.553406235	2.384473523	1.383664219	17.45697036	7.160437721	10.87024162
9.046537027	6.171315181	1.465900989	0.611049114	8.009372485	6.795308705	8.170306468
11.26378014	3.969398616	2.837654071	1.455077683	18.37073669	6.199272579	8.688994317
7.527789944	4.301586663	1.750003088	0.608818815	10.29896414	6.34423488	7.239322432
8.365255189	5.91449648	1.414364725	0.465240974	6.161778169	6.801179827	8.184574686
11.05244641	9.095367992	1.215173088	0.348027658	3.382324898	9.910501239	10.55884187
9.277939262	8.085927106	1.147418118	0.276535063	3.203012527	8.847505213	9.674429417
12.39729581	1.692304358	7.32568923	2.385404383	30.69203433	8.240006839	12.42116097

9.619215932	7.071874344	1.360207417	0.448638459	5.464741621	8.296765068	9.330396238
6.865073831	4.759030191	1.442536306	0.432181952	7.040160338	5.895748327	6.587956495
9.189934081	6.497959137	1.414280067	0.585193054	7.318684993	7.291575105	8.221387905
9.311316056	6.700052115	1.389737855	0.463808929	5.662454378	8.266508797	9.120820803
9.160037947	5.218963936	1.755144902	0.664504599	9.519768479	5.519027995	7.367040536
7.053481515	4.521990092	1.559817994	0.500716273	8.454686855	6.075150691	7.059985893
8.42721266	6.795230781	1.240165777	0.374279804	4.954783673	7.603268255	8.471687147
9.662022535	5.276475915	1.831150694	0.680344674	7.941720051	8.329438156	9.034722325
8.673594244	4.297617334	2.01823326	0.72259054	10.7130065	6.856985137	7.652165918
9.301978123	7.539951266	1.233692075	0.322206176	3.88318569	8.061105853	9.565889272
6.675650668	2.275217722	2.934071146	0.793544641	17.90917104	4.646356152	5.801604049
8.711625933	6.616941624	1.316563819	0.31936478	4.342029555	7.253295805	7.647944563
7.134805276	3.642121613	1.958969533	0.591146309	11.46710235	4.834099174	6.50125156
7.384482142	5.626307477	1.312491749	0.360475831	5.660613187	6.926370406	7.866721028
7.429151789	2.483261201	2.991691646	0.948196446	21.31846535	6.05876245	9.457663618
8.522635515	3.197651782	2.665279429	1.259368784	20.00086175	4.36483967	5.934280425
8.248760934	2.929191307	2.816054013	0.917050897	16.64416355	4.418618528	5.238155196
6.756657529	4.325829253	1.561933478	0.467669698	8.266481334	5.529282698	6.120173963
8.948611091	2.732194552	3.275246664	1.248805444	27.57646984	4.00076125	7.496273989
10.29329435	4.118376387	2.499357364	0.94368366	12.61889085	5.68088664	8.732641026
7.039932939	5.540703405	1.270584694	0.282147041	4.665368991	6.200862231	7.05541972
10.89808822	3.959056912	2.752698044	1.229814819	25.57954937	4.627830091	13.19449451
10.95960826	7.596103193	1.442793493	0.532473814	5.57842436	8.903608503	10.32330396
8.873423818	5.282969472	1.67962807	0.761538786	10.63348018	5.778337669	7.992784526
6.216570605	4.584372232	1.356035307	0.336659966	6.286006197	5.464253543	6.164068298
8.557683442	6.185190561	1.38357636	0.417250161	5.358539919	7.610739955	8.285123891
7.166700472	3.980060999	1.800650913	0.686669471	12.18818566	5.916626138	7.423309301
6.592470117	4.515797665	1.459868357	0.374356804	6.695330499	5.762074606	7.978340694
7.122336493	5.870096425	1.213325298	0.275384735	4.306348342	5.912573613	6.579462461
5.819145845	2.943588854	1.976888123	0.500609726	11.87723043	3.976688348	5.066698889
7.506186778	3.615270587	2.076244806	0.658413716	13.2507649	4.264310567	5.171944389
10.75287591	7.530300499	1.427947783	0.620961653	6.469493314	7.99174231	9.737379522
9.950823943	7.862406688	1.265620609	0.452846124	5.056676489	9.153746803	9.913567776
11.67434486	3.252679023	3.589147523	1.266739354	19.95022059	5.279738884	8.002546622
7.858521281	5.255974812	1.495159616	0.509168636	7.806882336	6.876728801	7.460882312
8.640373866	5.953094183	1.451408898	0.52505375	6.841924339	7.355218871	8.179132707
6.879318665	3.21450616	2.140085699	0.637826783	13.78276241	4.45002082	5.061970037
7.376674691	5.343624759	1.380462705	0.422005848	6.45917399	6.875695244	8.00253197
9.595108503	7.265009572	1.320728955	0.562361612	6.679997134	7.606726863	9.072413996
8.292546954	3.971783352	2.087864876	0.630701492	8.480491016	6.937695562	8.032724249
7.424038338	5.666887686	1.310073315	0.362986849	5.373253081	7.066307609	8.370176523
7.901686655	4.028928259	1.961237864	0.590178509	9.164109095	6.396787061	7.740602401
5.988257349	2.289543823	2.615480555	0.619255213	15.40234165	4.158429929	5.344355369
7.206018689	4.127551028	1.745833944	0.561691792	9.949664603	5.230080314	5.882760092
6.10179704	4.758206698	1.282373261	0.269790502	4.892900701	5.699609244	6.672826473
5.679695433	1.143482558	4.967015362	0.70930504	16.74116646	4.594715769	8.075941153
6.814536201	4.285290602	1.590215655	0.530141259	9.386240408	5.828043396	7.168277129

6.241454793	2.645473312	2.359296072	0.607559645	14.97314328	3.795035125	4.287136566
7.103774704	4.796136741	1.481145157	0.47491809	8.343659896	5.440372577	6.541966535
10.83785828	2.960318875	3.661044211	1.488583934	19.26812217	4.961485785	7.556548368
10.51429084	5.265964288	1.996650616	1.089433055	15.1055603	6.182775545	7.722912649
7.869575756	5.179271199	1.519436896	0.604177683	9.411280284	7.268490333	9.435359625
7.189837138	0.162747644	44.17782635	1.308878563	27.38889738	5.41010614	7.544081436
8.753453488	6.197545542	1.412406481	0.450025259	6.236470082	7.614206495	8.722815763
9.005307145	3.604408936	2.498414388	0.928955308	12.94132842	7.984994848	8.802973432
8.85438722	4.742738343	1.866935635	0.718022026	9.614878353	6.785752933	7.865899221
5.26185436	2.090671852	2.516824605	0.541789797	14.08355555	3.877990758	4.432159476
12.0697027	0.852240966	14.16231229	1.95427162	41.85668355	4.434238625	9.612176735
7.427398716	3.402247543	2.183085922	0.586115974	12.50129807	5.287076701	5.932048457
9.185588338	3.084741596	2.977749692	0.943549787	19.22274957	4.371016662	6.966420121
7.838985359	6.107038486	1.283598487	0.358988845	5.232748488	7.023045494	8.067710405
8.670211006	6.272801398	1.382191218	0.43608263	5.55008297	7.764391796	8.711630547
10.12334376	4.454795252	2.272459942	0.924452568	13.18564849	6.951648895	8.39759572
10.85672398	4.227740887	2.567972889	1.486298993	23.25291358	6.619335376	8.65724613
7.056070192	5.240708468	1.346396243	0.312235707	5.030053949	6.341729026	7.316970867
7.542890022	4.602212404	1.638970425	0.490973163	7.612131406	6.709304899	7.859142888
9.263049473	4.197214843	2.206951471	0.880463174	11.76360688	7.119059073	9.654538953
6.88349155	4.581362983	1.502498618	0.468423654	8.478555818	5.955337714	7.181954175
8.75077316	6.608373677	1.324194664	0.415650607	5.283802952	7.972921513	8.739345436
6.833032111	4.610244761	1.482140855	0.440406349	7.487586218	6.430745832	7.791044382
8.010376558	5.357670992	1.495122894	0.482174519	7.084948582	6.540651942	7.372913919
6.466775039	4.984927766	1.297265546	0.347321716	6.016311118	5.859335428	7.574660088
9.601767153	6.499378042	1.477336307	0.657670523	8.255993062	6.473023659	8.255134737
8.533499	6.159430662	1.385436328	0.519544659	7.555484998	5.9587949	7.333539056
9.972651826	5.562441912	1.792855006	0.647702528	9.736573019	6.145400435	6.871273864
5.471420206	2.300145287	2.378728091	0.521384014	12.46064779	4.249234914	4.9950393
7.665343316	3.104401712	2.469185378	0.672423545	15.76149101	4.142845822	5.154173088
6.585273514	4.19867418	1.56841737	0.439062437	7.646833096	6.255827136	7.044440813
8.5580571	3.786334895	2.260248324	0.90202275	14.08448158	5.718631283	8.032125451
8.980895415	6.15485407	1.459156515	0.40163153	5.033688691	7.782941746	8.607362056
10.45692368	7.16644169	1.459151436	0.644711091	7.733857278	7.849012555	8.432307418
7.863638489	5.608349886	1.402130511	0.454779022	6.540616425	8.03749377	9.342628234
8.922664169	3.855155794	2.314475638	1.045907109	16.56279298	7.766547766	9.401495487
9.103847566	4.802386952	1.895692216	0.954621705	12.88770094	5.450322753	8.669741659
8.718705232	5.988059379	1.456015159	0.399502086	5.435293467	7.572686313	8.355079418
6.247319747	3.831863713	1.630360633	0.43374882	8.389933832	5.754545603	6.881218648
5.90912797	3.50117718	1.687754622	0.468319912	10.30784506	4.926025569	6.459330642
8.79923159	4.244111416	2.073280065	1.008523787	15.86360449	6.303705546	8.599023385
9.213227162	6.03369251	1.526963323	0.570635163	7.298004741	7.194003275	8.052152288
7.59844041	3.769592507	2.015719311	0.669615148	10.89894414	7.1846554	8.27320906
6.769500631	5.157757082	1.312489232	0.34509721	5.639309446	6.508535753	7.380537103
5.805748394	1.852750375	3.13358371	0.584875118	14.32825908	4.068672399	5.314374074
8.040460012	5.488770395	1.46489276	0.516214006	7.901478414	6.667491831	7.386770235
6.664805851	3.290168825	2.025672908	0.868242413	17.14169245	3.74577628	4.849907734

9.504923319	4.268076968	2.226980298	1.346267227	22.69049364	8.937473136	13.28968343
9.507468185	6.289013865	1.511758185	0.53387841	6.781424639	7.757231176	9.036799231
7.859952689	5.314244325	1.479034875	0.367787435	6.046247771	6.280583513	7.360513215
8.245478703	2.177600379	3.786497642	0.868782677	22.59091743	3.908521837	4.409003936
8.051082159	5.540588271	1.453109628	0.531422855	7.562260923	6.389421385	7.461373775
7.425547645	3.404309638	2.181219817	0.722017537	13.68743736	4.879770959	7.877835127
7.554841894	3.35059054	2.254779211	0.7000721	10.77271132	6.205626814	6.956241521
7.811611392	5.750921764	1.358323363	0.376602752	5.317637744	7.221220583	7.866809752
5.733599973	3.511883854	1.632628017	0.373082063	7.976244796	4.843365419	6.015960637
6.065583628	4.721533593	1.284663872	0.308311785	5.729347094	5.107113624	5.661596498
7.687801271	4.934077375	1.558103104	0.473979	7.248069725	6.389283253	7.224377749
5.79383604	3.656477367	1.584540381	0.342331262	7.023610812	5.107718859	6.048646783
7.14203169	5.073833527	1.407620422	0.394923709	6.177362421	6.242743086	7.02371721
10.01057959	0.706471187	14.1698342	1.989792459	46.46377865	3.857991861	6.952718715
6.248385031	2.358867251	2.648892187	0.563200527	14.3881869	3.85718958	4.63153511
8.449417449	4.794509229	1.762311228	0.771650475	12.98088301	5.170250827	5.977885247
7.541200299	5.304132992	1.421759279	0.417311384	6.383520283	6.910001465	7.710780507
7.686101837	2.183690858	3.519775617	0.795197702	15.19991584	4.2816576	6.10640365
7.966727619	2.465597105	3.231155489	0.711951685	11.24411635	6.526416266	7.203547335
7.83109772	5.992032273	1.306918482	0.362476581	5.103136746	7.059652793	7.747942029
8.401260296	3.827203738	2.19514321	0.914924881	14.24659984	5.789843145	7.691867446
12.04962752	9.813249986	1.227893668	0.405050821	3.692725774	10.86622896	11.40083673
6.769892357	3.985952131	1.698437948	0.605165345	11.94418728	4.646170436	5.345056027
9.979197622	5.611699035	1.778284537	0.672944381	9.482352486	7.597677077	8.444935798
7.61314895	4.822437292	1.578693198	0.614022269	10.01411509	6.128923347	7.54096603
7.857212825	5.898499681	1.332069721	0.434669069	6.297186007	6.475541194	7.737917724
9.91469631	6.386429279	1.55246318	0.557773467	6.302657295	8.238810792	9.47451138
8.597401142	6.122690521	1.404186789	0.40557793	5.305604007	7.818493212	9.111183142
8.051402318	3.953570417	2.036488912	0.703256511	11.13945125	6.066216067	7.82414972
7.125865743	3.355068522	2.123910643	0.64806275	14.06319821	4.459948071	5.092635116
8.410106131	3.458594764	2.431654098	0.758978829	16.12134674	4.848123111	7.272368123
6.322537767	4.111316704	1.537837686	0.397922502	7.717280503	5.05719194	5.7009353
8.311330978	4.187492914	1.984798816	0.867931211	13.31655092	7.453991229	8.779163192
10.18945154	7.097899345	1.435558754	0.546147738	6.481496878	8.475021275	10.03939656
7.823877098	4.0686545	1.922964237	0.877906527	14.41328029	5.408485622	7.505208597
9.404948936	6.531320327	1.439976676	0.564393988	6.790173554	8.655128642	10.14894347
7.051311634	3.724283204	1.893333897	0.826173892	15.97182841	4.357101219	5.404902346
6.808727527	3.81269209	1.785805768	0.472813746	8.572779297	5.620868725	7.828893388
5.903871002	4.312600855	1.36898155	0.380899315	7.210876395	4.730874571	5.480180127
6.10104286	1.704373023	3.579640594	0.689012229	17.63431778	3.93235019	6.361491644
7.137980403	5.645836407	1.264291044	0.352553924	5.407222061	6.71240329	7.393865129
8.778769318	6.715923765	1.307157381	0.393684235	5.163033546	7.328302177	8.866144102
7.204588577	3.949133478	1.824346687	0.708821143	12.01782803	4.58557649	5.559004694
7.637666239	5.348095224	1.42810962	0.392398368	5.872562478	6.647191643	7.143858743
8.462998616	6.6691116	1.268984405	0.401008026	5.287932385	7.522010256	8.391634606
9.371381072	6.473793149	1.44758735	0.491309114	6.127373995	7.547665574	8.786469774
6.697763911	5.298164942	1.264166742	0.340528316	5.60119172	5.726320347	6.430215814

10.64543399	8.989516702	1.184205374	0.340920148	3.519196276	9.691836297	10.37775088
9.441274933	3.893711218	2.424749655	1.158657333	16.82749439	5.416528088	6.737008283
7.379563661	4.467538472	1.651818716	0.492136242	8.204921491	5.830833678	6.84067815
8.232957693	6.090211511	1.351834444	0.400002829	5.693946532	7.556002242	9.104838905
8.50368821	6.085412137	1.397389038	0.580748111	7.814437209	6.956253933	7.681154287
6.905829157	5.788822386	1.192959241	0.283226445	4.480933691	6.713872089	8.142670012
10.71064019	8.450790437	1.267412826	0.37734457	3.867558875	9.94362881	10.86214376
6.86563098	5.356904892	1.28164138	0.308894591	5.08969747	6.105845378	7.403522361
9.027475542	5.970014741	1.512136223	0.565436691	7.251374973	7.367637539	8.398210817
6.356404009	1.750109593	3.632003409	0.822509488	20.70401039	4.109893684	6.832540175
9.488425099	7.261083067	1.306750661	0.492254151	5.771804193	8.831848721	10.06047707
8.824520689	4.966867716	1.776677213	0.987719697	13.94614934	6.459294095	8.408621435
8.575541994	6.319546541	1.35698692	0.412868159	5.49848878	6.677264246	8.167860074
11.12778389	8.094518263	1.37473084	0.513948738	5.42694403	9.915588252	11.35400902
7.269011494	3.699552833	1.964835163	0.631621156	10.9007311	5.891652503	6.808757738
10.99816984	6.275735753	1.752490906	1.109326953	12.46290547	9.193570017	11.77467143
7.026497347	4.376549731	1.605487834	0.425789077	7.137349022	6.268840489	7.45865037
6.888936383	3.282271414	2.098832032	0.900632571	18.08630414	3.583390581	4.744714869
10.11339356	4.922049997	2.054711668	1.118310929	14.92304185	6.547086786	8.226274415
7.316398875	4.187444808	1.74722276	0.635450202	10.3249929	6.279528854	8.197221137
7.480377132	4.964175754	1.506871937	0.472854036	7.943185206	6.277154388	8.807680171
6.459946162	3.901793932	1.655634889	0.426573729	7.847373612	5.384873693	6.042029439
9.604856858	5.160178837	1.861341857	1.064455432	13.6495453	7.516081007	9.560225191
8.273429697	2.515166995	3.289415659	1.197849381	23.8219341	4.765700015	7.603542821
10.67337755	5.979423191	1.785017921	0.604082174	7.500951679	7.870379601	8.70386457
10.06135353	6.672525491	1.507877787	0.488816974	5.591146712	8.419395659	9.178632638
8.773215146	7.219942775	1.215136382	0.341184114	4.252296418	8.587439314	9.450142359
6.015749901	4.18442067	1.437654188	0.356355599	6.75430367	5.528528407	6.315300817
7.876312727	4.880604032	1.613798758	0.601358605	9.568608832	7.164695557	8.676283946
7.952491379	5.286504366	1.504300541	0.662195994	9.900525125	6.713530406	9.198040637
6.450866299	3.744150248	1.722918652	0.660458097	12.39075962	5.680290534	6.64672028
8.245701551	5.682455079	1.451080816	0.544623406	7.653873596	7.362397322	8.042627126
7.553610933	5.349288603	1.41207766	0.45782687	7.001021612	6.35060565	7.770479313
7.694666413	5.070734267	1.517465915	0.489951834	6.951462986	7.67602631	9.256245898
5.225719881	1.885532602	2.771482114	0.431944207	10.07130243	4.229732047	5.731045901
6.758984194	4.673158427	1.446341762	0.442909849	8.074014957	5.156205087	6.956775724
6.409745552	4.214916425	1.520728979	0.512015737	10.02113476	6.090501894	7.393139779
8.045574338	6.176714989	1.302565255	0.351723786	4.844300375	7.179550144	8.189370105
6.293042282	4.187718754	1.502737565	0.522849572	10.18603944	5.027540123	6.236776752
7.063768206	4.445304222	1.589040447	0.422714646	8.238187926	5.507968949	6.359783476
7.666270435	3.243498081	2.363580999	1.11802655	23.29814756	3.90629976	4.461064072
10.02211618	7.430358722	1.348806505	0.574975488	6.569240793	7.521312363	8.882147023
5.811833127	3.590053281	1.618870995	0.43922183	9.325987436	4.710307469	5.164210609
8.092303113	5.013899191	1.613974036	0.426103763	6.661619754	6.554380743	7.48114838
8.116190286	6.013089523	1.349753775	0.425774827	6.060016542	7.216549238	8.638787593
5.293289114	1.234876453	4.286492874	0.585542091	15.46101992	3.728881757	4.55789308
6.419769142	4.729881526	1.357279058	0.322833608	5.766811901	6.034435646	6.901979251

6.515290504	4.385203941	1.485744014	0.389623659	7.417301184	5.957472172	7.139768946
8.301637025	6.562408312	1.265029031	0.406983868	5.512191866	7.5442024	9.455008228
6.814671164	1.470798799	4.633312978	0.998766271	26.96174884	3.944220377	6.873041469
10.54250879	7.832370202	1.346017683	0.455715331	4.881492168	9.390956646	10.18640613
8.112473528	3.840926285	2.112113831	1.082949595	17.95651963	3.940396867	5.90309177
5.990909495	1.437405535	4.167863104	0.665529586	16.1899632	4.331157668	6.059045004
8.074834741	3.593207705	2.247249645	1.164222511	20.10918725	7.185934356	8.883660743
8.329617531	4.547391219	1.831735413	0.622573043	10.67375853	5.669191241	7.039514812
6.942869296	4.915171614	1.412538532	0.407896254	6.955302937	6.516593513	8.197374453
9.116806214	6.148858305	1.482682762	0.471342271	5.991224134	8.244714568	9.83804456
8.900906453	5.342484112	1.66606138	0.520354484	8.072372134	6.416361416	7.614023169
8.408755363	4.66479897	1.802597586	0.641261613	9.911416653	7.03312672	8.70390194
9.621600877	6.989903577	1.3764998	0.595019626	7.165303489	8.314403617	9.844460997
6.469689174	4.828965501	1.339767114	0.324462715	5.856078229	5.745535197	6.374316505
8.805166176	3.952222849	2.22790225	1.145218779	18.98965051	5.228624218	8.780776985
8.042136036	5.563803962	1.445438425	0.403205281	5.757443951	6.897725076	7.391851724
9.730990396	5.566650808	1.748087087	0.756471851	10.86241222	6.77361769	9.005372992
6.729296395	4.806143235	1.400144787	0.415278406	7.181899303	5.778983825	7.206506326
7.046215172	3.087865688	2.281904683	0.849817038	18.03167889	3.942643938	5.32385353
8.161913727	5.21658859	1.564607518	0.591135263	9.205460454	7.311947548	9.218966599
7.276872517	4.66542203	1.559745822	0.491897853	8.043360729	6.106885372	7.479362506
5.46350537	3.388668332	1.612286844	0.4340131	9.705774438	4.354785787	5.351107565
7.634679608	4.901936034	1.557482504	0.500970407	8.154266811	5.852506302	7.542181706
7.010236492	4.212175665	1.664279234	0.538318895	9.416850296	5.605154876	6.686452096
6.820197795	4.867013636	1.401310599	0.438178119	7.439869747	5.770344107	6.692244576
9.278042601	4.530031684	2.0481187	0.70338143	11.00530236	7.448120378	8.832424671
9.103487977	4.60927745	1.9750358	0.743001309	10.28944962	7.24971625	8.124563542
7.896296434	4.851917503	1.627458923	0.608069348	9.926812475	5.676781902	6.795120876
8.019226485	5.458861305	1.469029169	0.45641452	6.834620797	7.243061594	8.074049805
8.098521725	5.533292809	1.463598982	0.372900326	5.740310799	6.617485447	7.087376185
9.725503963	6.208252299	1.566544575	0.52778646	6.296090929	8.857140548	10.01895561
6.710858318	5.016510472	1.337754273	0.357738882	5.892227267	6.441546515	7.484747276
8.881236779	4.829194808	1.839071964	0.691553284	9.890696395	6.313119136	7.245375474
9.003090738	7.00546509	1.285152466	0.40327017	5.003453739	8.100028245	9.045712535
7.764528708	2.674155672	2.903544019	1.181730643	26.21595996	5.286884828	8.36289375
8.373152845	6.40353159	1.307583593	0.423364948	5.709906036	7.156312488	7.896856756
9.323700999	6.114907094	1.524749412	0.825786311	10.41356227	7.158432835	9.994894081
9.569972082	7.276077311	1.31526531	0.39188786	4.44958905	8.628701438	9.334310363
9.056317135	6.814595002	1.328958967	0.500762672	6.352804971	7.43660567	9.00778224
5.960837784	4.112420636	1.44947181	0.368232013	7.274709605	5.21299238	6.528046675
7.292185548	2.51843359	2.895524256	0.937820419	19.70796065	5.101937261	6.468038564
8.001556073	5.947591762	1.345343862	0.445740432	6.330168613	7.386491423	8.540174396
6.76805512	5.159622867	1.311734461	0.400592424	6.760875448	6.438480055	7.874607731
9.737069354	7.462414107	1.304814932	0.475184133	5.610178137	8.917276013	9.805339967
8.334702419	5.458787642	1.5268413	0.46079007	6.321792856	8.079318399	9.035251885
7.737159937	5.877105259	1.316491639	0.340905853	5.074025121	6.93193719	7.503465741
8.249385317	5.301810732	1.555956207	0.521527835	7.316693921	7.091976399	7.910653965

8.317793166	5.558033182	1.496535356	0.575193752	8.394689988	6.138168629	7.330855549
8.740630369	6.302719697	1.386802966	0.45837023	6.093698041	8.083300532	8.708085842
9.408548992	6.860712308	1.371366204	0.386395262	4.675900004	8.083214554	8.995275597
6.202286775	2.118737781	2.927349874	0.839335364	20.26943995	5.177056078	8.461812686
11.24112809	1.307729094	8.595914964	2.635145118	45.30092502	3.313895644	9.652169246
5.547789336	3.83375695	1.447089476	0.339172714	6.910415369	5.089721189	5.921891881
9.873656515	5.775833746	1.709477272	0.674351726	8.444417989	7.462703613	8.50003682
6.768008988	4.020006613	1.683581556	0.517198068	8.988285393	5.594422043	6.898478382
10.19441489	2.505240394	4.069236197	1.522479849	21.26844717	4.779409154	7.977998455
8.827458581	5.125336263	1.722317937	0.625439309	9.418957696	6.906709114	8.023070478
7.280396027	5.448508997	1.336218043	0.373063099	5.654253498	7.343610129	7.961438731
9.114943735	6.488966771	1.404683374	0.539495801	7.209297672	7.515427832	8.588866058
9.593319733	4.034610528	2.377756085	0.979533617	15.84683167	6.766342246	8.289819714
7.328929005	4.760048911	1.539675147	0.533279992	9.012407834	6.152831697	8.232484047
5.797016995	1.587830737	3.650903626	0.728661431	17.61852124	4.244161499	5.290053765
7.660367961	5.435153	1.409411651	0.522151955	8.128158357	5.864076531	6.475097019
8.371822834	5.574269398	1.501869077	0.417800946	5.813997383	7.485603504	8.290847672
5.080676558	1.148571526	4.423474239	0.605353456	15.62255046	3.97594738	5.300126589
6.825979633	5.403835764	1.263173037	0.319403635	5.321920091	5.795235434	6.598418841
8.368816751	6.496444786	1.288214866	0.368575157	4.956319665	7.638828435	8.334495561
6.276987976	3.439395132	1.825026708	0.438715937	8.09979343	5.448246531	6.756650499
5.843903732	2.089887546	2.796276643	0.643692964	15.52067684	4.915964967	5.996703935
6.878977001	4.872508575	1.411793719	0.35960478	5.818435879	6.707945636	7.690596969
7.944628999	5.189722923	1.530838759	0.557364588	8.425363824	6.684356569	8.132260973
5.501621455	2.428457251	2.26548005	0.607342545	14.90779132	4.396718834	6.073261533
7.450936832	4.95074107	1.505014447	0.496571357	7.642566578	7.18779088	8.168578943
8.954418393	4.865777801	1.840285101	0.774889441	10.80572395	6.754668234	8.201591717
7.92656202	5.748713336	1.378841065	0.451367021	6.668343844	7.0668657	8.275133736
8.038278279	5.635836434	1.426279555	0.560924778	8.053208638	7.744031759	9.186957726
7.853237209	5.910380641	1.328719365	0.364902477	5.244697569	7.083168044	7.850181366
9.410249377	6.743661901	1.395421288	0.654902426	8.089277046	7.90588779	9.291876532
6.873827205	5.023924849	1.368218556	0.385209225	6.500978336	6.0089074	7.442900463
6.468701937	3.134403405	2.063774537	0.825617296	16.90509295	4.089160322	5.323529021
8.873050259	6.65019854	1.334253437	0.465369165	6.034061625	7.514988139	8.870862051
7.951581936	5.123216663	1.552068253	0.504714079	8.471489095	6.425548025	7.142431424
8.180163106	6.046372132	1.352904341	0.385089224	5.337024589	7.152077201	8.262371142
6.253004825	4.434708924	1.410014712	0.40729328	7.537678745	6.00244125	6.860274791
7.092039781	4.67972522	1.515482095	0.533613073	9.426501348	5.558496037	7.539608423
6.384643996	4.741395951	1.346574735	0.364886451	6.512929511	6.081209382	7.297228405
7.459782941	3.065509876	2.43345585	0.814108414	17.0087033	4.745109201	5.809111636
7.249025836	5.503159998	1.317247879	0.407493116	6.470841157	6.583525252	7.465640499
7.065986787	5.420981789	1.303451489	0.393115697	6.170184192	6.61366758	7.325549661
4.998747998	2.413102006	2.071502981	0.328247652	9.465489581	3.522206475	4.894771436
7.238357463	3.286897725	2.202185181	0.978364597	17.95323885	6.713151566	8.485926377
7.574133822	1.745592649	4.339004193	0.989479615	18.92903128	4.724310014	5.934001113
6.085349505	4.370148549	1.392481156	0.333584792	6.379163898	5.174374292	5.652274085
9.516209565	5.509279276	1.727305712	0.566270275	8.174648394	7.115172248	9.251591527

7.645072316	4.811523223	1.588908951	0.641644875	10.48309532	6.057468767	6.767241252
6.726916138	4.364315021	1.54134523	0.340573382	5.940826864	5.92357559	7.073015297
7.506143527	5.413945247	1.386446147	0.409858243	6.147250031	6.767388067	7.468217272
6.445334284	4.816472917	1.338185514	0.407759963	7.154824525	6.30665116	6.897740932
8.297664419	6.755392334	1.228302371	0.313298622	4.214987348	7.711516438	8.513031526
7.255789612	4.747419422	1.528364985	0.400869649	6.312423872	7.075961215	8.106571741
7.080722602	5.535110762	1.279237744	0.346998696	5.309691943	6.412962986	7.069964319
7.673712721	4.889267611	1.569501474	0.604028347	9.476831918	6.074856039	6.801316957
7.726935303	3.755298697	2.057608709	0.666319653	13.63097375	5.748551939	7.063196085
8.015940133	6.462533049	1.24037124	0.380307442	5.345048356	6.969664082	7.702356435
7.952263415	5.704689302	1.393987121	0.464997179	7.184052624	6.980932255	8.054591517
5.144544003	2.686957883	1.914635148	0.403633697	9.593537947	4.321700731	5.649555732
9.148188357	5.843226785	1.565605562	0.566950456	7.850862609	7.173707055	8.365103845
7.858066672	5.578154468	1.408721597	0.402188722	5.716361999	6.78741983	8.332922736
9.524899025	7.177177758	1.327109255	0.494016462	6.04268629	8.151420701	8.968910523
7.065705885	5.090738948	1.3879529	0.434871593	7.099042773	6.312694123	7.15782934
6.188135304	4.443676608	1.392571028	0.340052823	6.545328149	5.418390209	6.39394696
6.710661796	4.346147079	1.544048481	0.451687605	8.599873237	5.464916163	6.737753977
8.224679861	6.311285279	1.303170352	0.461055352	6.375746229	6.764301281	7.607683737
8.028030738	4.786642919	1.677173517	0.54194709	9.429066034	6.015739188	7.026710204
8.014683237	3.37953008	2.371537772	0.864457676	17.93343365	5.448657629	6.720368722
10.14962229	3.236976647	3.135525336	1.514052441	25.88673523	6.071001239	8.623779656
8.129147733	2.900176037	2.802984243	1.107001079	19.02795743	6.029818701	8.037943095
6.557433966	4.474814277	1.46540919	0.410407721	6.992763448	6.217636042	6.992791624
6.336202295	4.369890276	1.449968282	0.42520655	7.996413785	5.112422434	6.11729504
6.855647973	4.442912034	1.543052827	0.383447758	7.147527529	5.278268253	5.815036181
7.646980379	5.465322384	1.399181941	0.393780128	6.35887106	6.082482062	6.962872302
7.383783025	5.210983478	1.41696535	0.419935935	6.728723563	6.649471222	7.663237168
4.889385446	1.055240933	4.633430428	0.630920435	19.33880889	3.404942062	4.346346187
7.515356234	5.23016655	1.43692484	0.400905724	6.717617062	5.593796563	6.220576587
5.724010129	3.094693805	1.849620832	0.391001115	9.965404411	4.02534128	5.248105004
6.850839508	4.691760745	1.46018518	0.38496892	6.339194988	6.294547916	7.060292443
5.668249335	3.314201973	1.710290858	0.491988399	10.8912143	4.48482222	5.27864199
7.472407275	4.136990087	1.80624249	0.531646325	8.309278595	6.419569859	7.355260579
7.882377186	5.06624759	1.555861029	0.602407076	9.277527687	7.135217067	8.132199361
6.946671871	4.824344207	1.439920448	0.304439095	5.217301322	6.127081514	6.846379285
5.718384595	3.263165958	1.752403852	0.449195136	10.19655779	4.564062066	5.319963568
8.450496184	5.77052764	1.464423483	0.583614391	8.039719852	7.951956119	9.751359196
7.371537618	5.751854446	1.281593213	0.354948039	5.339542164	6.663884665	7.361539803
6.728849438	5.101049877	1.319110693	0.364096154	6.165449461	5.943359622	6.470903267
8.066649635	5.604607526	1.439288942	0.483169399	7.230364033	6.764672052	7.708380653
9.685427169	5.527338874	1.752276708	0.626613682	8.664388489	7.730383825	9.206536973
6.440752353	3.583122021	1.797525263	0.610224242	12.21212487	5.484266947	7.955940409
8.55093752	5.169460518	1.654125704	0.595048796	8.517296868	6.735645586	7.940608479
8.512873589	5.712900641	1.490114063	0.564344452	8.048984369	7.09309555	8.235927985
7.729960007	5.894857387	1.311305685	0.42986667	6.488896138	6.804386014	7.532094786
7.422342069	5.337301058	1.390654563	0.370759984	6.182363025	6.092741193	7.098967972

5.661495441	4.496241141	1.259161879	0.243315765	4.798168627	5.369013614	6.130750581
8.837246391	4.616429817	1.914303204	0.630859008	10.96229223	6.181200821	7.576599042
9.914660725	4.380179377	2.263528471	1.135779711	17.25667206	6.10181394	8.76951714
7.214367415	4.801895189	1.502400017	0.424715165	7.027239984	6.178108452	6.594275321
5.30364823	1.758298573	3.016352462	0.547923691	12.35524982	4.790263089	7.103954813
8.039411454	4.544176005	1.76916815	0.522007769	8.739748431	5.899075605	6.635676014
6.17586228	5.041436882	1.225020252	0.255793491	4.4817511	5.907954825	7.250070929
7.33261542	5.482947241	1.337349257	0.418879128	6.541565633	6.15949884	7.014926836
7.987629739	5.858042004	1.363532343	0.470469704	6.911743403	6.751631217	8.092296611
6.505061651	3.61099393	1.801460146	0.622063465	12.3957416	4.653645826	5.785726312
6.302374022	4.599798251	1.370141401	0.34078664	6.034875363	5.960232591	7.206533463
8.101129232	5.755737132	1.407487702	0.40337282	5.953517849	6.888351393	7.329323908
7.507792478	4.816521065	1.55875836	0.483264732	7.61007827	6.795046692	7.776782484
8.218597572	5.089272366	1.614886566	0.551603197	9.146056017	5.102981697	6.909912701
7.465934931	5.409188917	1.380231869	0.321764701	5.231974505	5.682834784	6.535463656
6.966975192	5.271224645	1.321699541	0.374988854	5.993788137	6.75251758	7.807679242
6.119447612	3.784436923	1.617003464	0.384248832	7.070762088	5.475774586	6.390176898
7.302139161	4.681780089	1.559692899	0.410692242	6.881808492	5.880875974	6.54088393
7.702692523	6.07595121	1.267734426	0.356762161	5.139556743	7.127253255	8.056929055
7.947421778	5.368119797	1.480485175	0.423503414	6.336082356	6.281704006	7.420785736
9.697511024	7.532551954	1.287413759	0.399757287	4.475263316	9.02560503	10.11716892
7.143414267	5.950249114	1.200523563	0.253819193	3.799201465	6.861781164	7.3097443
7.516208395	4.708033875	1.596464383	0.562001327	9.043453179	6.190163439	7.189451594
8.269533917	5.890938635	1.403771865	0.528845239	7.587529384	6.173744151	8.377714276
10.52787561	4.77423624	2.205143417	1.023589949	14.0800857	9.304510957	10.96264857
7.814899146	5.666058708	1.379247824	0.413939084	5.89688567	7.175319735	7.813514999
8.853069339	6.275714028	1.410687182	0.467256527	5.956335963	7.369018925	8.742387445
8.275779706	5.850598734	1.414518425	0.520841554	7.64034243	6.638642934	7.07973893
7.253746012	5.158226753	1.406247992	0.434606033	7.29196754	6.347612353	7.551798226
7.277906128	3.921690295	1.855808486	0.67135264	12.9425489	6.418508791	11.40160188
10.18461628	4.316036207	2.359715209	1.040549975	12.89316167	7.210863821	8.917970026
7.688353789	6.040651756	1.272768916	0.397958571	5.819789148	6.765651956	7.472297111
7.093532747	5.431843043	1.30591637	0.289149388	4.621775115	6.398498807	7.042347542
7.090288742	5.095972302	1.391351507	0.389348148	6.406434081	5.807383997	6.851696986
7.207994881	4.426539232	1.628358974	0.511807526	8.890909129	6.304716541	7.217500513
8.460985265	6.409767635	1.320014351	0.343499315	4.53580205	7.750670522	8.015783586
9.603976398	8.299379273	1.157192132	0.282356658	3.16078723	8.558022026	9.767375243
7.612174409	6.031527442	1.262064126	0.330322407	5.010579935	6.844009038	7.47900196
9.607508434	7.894536668	1.216981925	0.352123839	4.103733344	8.405770463	9.051586693
8.427559608	4.957909101	1.699821323	0.810240648	12.05613483	6.194784129	7.870528738
6.514720126	4.845225836	1.344564804	0.391698673	7.029712574	5.663434249	6.324537479
7.257808594	6.224169147	1.166068663	0.245627898	3.640153984	6.736378597	7.264303352
8.264282583	6.454166655	1.280456955	0.389863734	5.252110971	7.613196736	8.460095582
8.111849582	5.955340736	1.362113428	0.427835454	5.873490735	7.200114893	7.911773138
7.596215943	4.797634693	1.583325207	0.570494675	8.913001575	7.390368877	8.78776988
7.23461069	5.046612963	1.433557664	0.376822534	5.920573024	5.957807462	7.716100413
7.211125153	4.890813972	1.474422293	0.490764099	7.74074044	6.958141508	8.468097102

8.662919358	6.428433632	1.347594119	0.437621333	5.967880676	7.536971231	8.944688079
10.59216724	8.375969402	1.264590011	0.425585834	4.60151591	9.501248063	10.22006368
7.844009562	4.546995961	1.725097104	0.796959948	13.29634029	5.13051452	6.531974041
7.576390114	2.113247696	3.585187921	0.925187762	22.13987443	4.10334737	5.14250244
7.095137763	4.71691247	1.504191101	0.447264613	7.751919909	5.524862645	5.938390859
9.439719216	5.756104279	1.639949306	0.695309114	9.171912736	7.119914434	8.583939126
10.44187804	4.700732923	2.221329782	1.341724564	16.82266372	6.630119046	9.74671358
8.841121752	7.044518072	1.255035712	0.387149213	4.963369892	7.639697796	8.497509042
9.868888842	6.870022399	1.436514798	0.560628692	7.121149433	7.658535284	9.094684344
7.491034243	5.013023602	1.494314577	0.392579386	6.678383828	5.886268849	6.785616033
7.246457095	5.529664344	1.310469613	0.321575264	4.821852169	6.64509476	7.764180965
8.999275801	3.214456913	2.79962558	0.896907092	15.80255923	7.067239676	8.76130581
8.034207276	4.863745497	1.651856019	0.481254916	8.610383988	5.356584565	6.107721771
6.792108683	4.355218055	1.559533552	0.456302459	7.893865253	6.263297455	7.517649363
8.22622861	4.403066281	1.86829543	0.607792687	11.12127898	5.590765892	6.320946215
6.46163217	4.411604434	1.464689835	0.485602405	8.86634841	4.954337811	6.046636674
7.583622025	4.457959591	1.701141939	0.628048422	11.46591023	6.361307494	7.526941089
6.418679328	3.662646292	1.752470432	0.562761109	10.78254022	5.738912865	6.411636738
8.426190018	4.600829075	1.831450349	0.65187515	10.44377348	5.976115542	7.684060483
6.943088274	4.741015141	1.464472917	0.423634399	7.619493544	5.734414705	6.8300643
6.617471051	3.87958043	1.705718227	0.60238021	11.78229187	5.041009799	6.322650188
8.383596168	2.034060229	4.12160665	1.252396435	28.01847345	5.100180431	11.36681796
6.497156774	4.204987181	1.545107391	0.470276934	9.272257836	5.471579969	6.449085279
8.234087387	5.676544305	1.45054578	0.570802803	8.371088706	6.148561922	8.046192777
8.117317812	5.277938189	1.537971367	0.434934019	6.496451993	6.845005028	8.382943557
7.87784681	1.515170743	5.199312911	1.246883102	27.97248749	5.684102387	8.380880079
8.059506815	5.641797581	1.428535267	0.400871116	5.679093463	7.098909272	8.385100452
5.66483751	2.735207274	2.071081619	0.537935471	12.34449287	4.560188161	6.570854179
7.456718325	5.320372053	1.401540766	0.365284489	5.707382377	7.211031296	9.248129651
7.959781952	5.190847603	1.533426246	0.597445871	8.978990129	7.767990022	9.030982215
6.23744675	4.191943024	1.487960765	0.500949094	9.584212594	6.112244495	7.720880726
7.001969357	3.166465704	2.211288551	0.660826433	14.1100869	4.289232206	5.521928307
7.932446944	5.332297797	1.487622643	0.53435152	8.041990543	7.092474686	7.977369317
6.854889507	3.776805746	1.814996578	0.664424556	12.06363399	5.980437971	8.097769956
8.397179269	1.177701778	7.130140603	1.458886885	25.92442531	3.979217924	7.128967323
7.439994165	4.42666773	1.68072117	0.458941183	6.941842196	6.66885973	7.335140737
9.218100972	7.356934826	1.252981193	0.416681614	4.925822198	7.948114257	8.908006242
8.348769877	5.066209069	1.647932362	0.615466052	8.754398137	7.489327584	8.304909179
7.308804286	5.370629956	1.360883983	0.394664826	6.209818805	6.510202305	8.004412879
8.395128527	5.754917528	1.458774776	0.557372732	7.539257792	7.522097457	8.55128749
6.122661662	3.098158879	1.97622585	0.444663156	8.619223	5.484934432	6.029721649
6.443787531	4.102768819	1.570594839	0.475973707	8.906028661	5.426260324	6.049869816
7.066855134	4.235082649	1.668646333	0.62279285	11.17814668	5.651741419	6.407545515
6.7571154	4.986169634	1.355171584	0.389716746	6.566184748	6.188829336	6.896564068
9.007800591	6.115941034	1.472839673	0.620213131	7.985029564	8.437830103	9.837937808
8.353261286	6.543970671	1.276482079	0.393521097	5.215270819	7.616097142	8.699859084
7.460857231	5.477846596	1.362005507	0.373692479	5.656064893	6.688783765	7.452460898

7.002777927	4.731071122	1.480167545	0.455844207	7.942644758	5.894016705	7.003257824
6.374411973	3.494426207	1.82416557	0.463483623	8.533736872	5.47687557	6.142750512
6.179343785	5.04611938	1.224573443	0.26097541	4.626999046	5.735717842	7.23768032
7.651611332	1.323987565	5.779216918	0.820982414	12.80507284	6.482653015	7.758226188
7.234419476	4.982166858	1.452062864	0.503191161	8.374822211	5.933875618	7.525432357
5.030437772	3.110366345	1.617313594	0.333863992	8.215675028	4.511877216	8.272345811
7.646984503	4.387902143	1.742742717	0.63235517	9.826886761	6.617575167	7.634625099
9.432638655	1.825803219	5.166295335	1.37490271	33.54335598	3.630926847	6.379908682
8.070393981	2.756432236	2.927840517	0.88375873	17.98241123	6.02773051	7.717433809
6.800571644	4.234848479	1.605859496	0.536957192	9.378008846	5.559212313	6.204283603
6.815064276	4.027384751	1.69218108	0.485597045	8.815608679	6.034711219	7.737801073
7.552533132	3.483185905	2.1682831	0.58402328	11.15588293	5.284601312	6.002147854
8.430312403	5.463410335	1.543049466	0.556051783	7.777363162	7.631556906	8.824842011
8.014540912	5.341033573	1.50055992	0.550120435	8.386606749	5.876830511	7.261445263
7.544026456	5.721511357	1.318537356	0.363934445	5.275703738	7.09627126	8.09606862
8.742588833	5.834741868	1.498367714	0.514150299	7.114633746	6.730135334	7.600008014
8.273738035	4.751794598	1.74118175	0.754423392	11.5500108	7.669647083	9.174046256
6.52236047	5.120246654	1.273837163	0.305546341	5.089191983	6.252222609	6.94803799
7.929630714	4.452224949	1.781048982	0.593129672	9.993141718	5.579149621	6.54371409
6.906091815	3.745653539	1.843761507	0.411295867	7.957765844	5.189421913	5.971373289
6.94196998	4.899175397	1.416967024	0.352195127	5.854556151	6.037814853	7.308705346
7.648647033	4.759130416	1.607152224	0.623599112	9.604353163	6.143852233	6.965935572
7.987638779	5.043491021	1.583751958	0.618559463	9.455276488	5.956078711	7.330437781
8.641767259	5.615379462	1.538946267	0.758193244	11.30205531	5.23207633	6.674681157
8.19447243	3.753587841	2.183103947	0.932299084	17.67878809	4.518752382	5.956041437
7.151876641	4.440365414	1.61065047	0.580820133	10.01794034	6.227231093	7.622813551
7.04865099	5.32447533	1.323820762	0.336094778	5.698246748	5.684360742	6.400777823
7.108879181	4.737018389	1.500707533	0.423416942	7.005160065	6.106666044	6.982276931
8.886951574	4.219955657	2.105934824	0.854681181	14.07408136	7.269146967	8.514236982
5.785184077	2.905278674	1.991266493	0.50687216	11.05842653	4.524879772	5.911436642
9.127726541	5.898277711	1.547524038	0.5642893	7.592258482	7.892048226	9.523898521
8.619065134	6.294180354	1.369370537	0.401354221	5.160183447	7.500235677	8.933553701
7.859835179	4.034397114	1.948205632	0.684148428	11.97288799	6.345899612	7.422451071
9.596617218	6.362116483	1.508400112	0.799932123	10.31058594	8.974165662	10.52825931
7.139488985	4.872854266	1.46515545	0.347545879	5.589311341	6.572965951	7.687288888
6.615503361	3.544253891	1.866543302	0.464022837	8.046922576	6.018702552	6.528594862
7.826156803	4.363408879	1.79358777	0.637755768	10.70404921	6.241658258	6.818561598
7.527890786	5.694786651	1.321891626	0.417861564	6.260548394	7.032832156	8.135240913
9.464008111	7.512971069	1.259689146	0.379660484	4.422182192	8.436985031	10.74142334
8.133365029	4.848746906	1.677415874	0.74541239	11.77002762	6.497944417	7.722849074
5.585745056	1.276817317	4.374740992	0.594584794	14.05127034	4.170607345	4.553380579
8.008672325	6.356848352	1.259849517	0.341731493	4.891603312	7.005614159	7.892105049
7.065621778	5.29918351	1.333341592	0.288914265	4.792357202	5.993093873	6.568452257
7.377911268	5.371033218	1.373648415	0.452010954	7.256744126	6.315516876	7.139970018
7.066496605	4.89567674	1.443415687	0.361165651	5.928611169	6.013679897	6.822391808
7.168336472	4.997245279	1.434457601	0.440639979	7.490782968	5.681235227	6.64691543
6.795609963	4.982330683	1.363941977	0.369590712	6.366426453	5.947048545	6.667702493

6.320444277	1.689386489	3.741266027	0.992299438	23.76426775	4.928445517	6.965439413
7.643890517	5.301865721	1.44173597	0.515917214	8.1656874	6.348258555	7.247575541
7.525009867	5.193694476	1.448874188	0.517349365	7.985478193	7.032637415	8.364402366
9.054770828	2.093273966	4.325650141	1.267588509	18.52184727	7.374184432	9.180125952
6.199298514	4.108987549	1.508716792	0.372065982	7.401240764	5.107523157	5.486018549
8.129684069	2.913773267	2.790088083	0.970308423	21.22229815	5.555814905	7.368670444
8.747894098	4.983224099	1.755468734	0.762178851	11.76032641	8.714185775	10.54090654
8.484388371	6.383731755	1.329064049	0.348944184	4.721091576	7.795152655	8.380365319
9.877351675	6.840899058	1.443867479	0.60318721	7.268503313	7.646758217	8.49730574
8.200413244	4.534127882	1.808597697	0.788914108	11.86253703	7.682512376	9.344011605
6.546416453	3.980766986	1.644511341	0.477379894	8.318430461	6.067221182	6.872515312
7.465897155	5.328317704	1.401173423	0.476259277	7.182720081	7.142828807	7.695222127
6.191535962	3.840716481	1.612078369	0.391549642	7.629655437	5.170547238	5.91541789
8.12410012	5.860801868	1.386175527	0.435148089	6.346027829	6.656710835	7.240560106
7.082287621	4.744181421	1.492836591	0.546674714	9.094554235	7.189730115	8.811642027
6.770906805	4.855538151	1.394470931	0.34021912	5.714907964	5.956486033	6.386983825
7.928296194	5.043558644	1.571964709	0.485384035	7.274749235	6.889064728	7.294286299
7.030906491	4.349038406	1.616657715	0.390044175	6.512509777	6.146911301	7.060987223
7.306784072	5.072734681	1.440403359	0.402026104	6.467669828	6.611181558	7.318934183
8.903495645	5.985893425	1.487412991	0.457435627	6.791510853	6.879818773	7.995777895
7.95342087	4.85563617	1.637977104	0.54006856	9.104597615	5.999677232	6.386750015
8.88762678	6.485337729	1.370418496	0.386400664	4.713210273	8.279592067	9.036074405
8.260143938	4.497056703	1.836788923	0.540966647	8.371207082	6.334457239	7.621583822
8.039888775	5.572505158	1.442778167	0.452993649	6.354979688	7.204760968	8.340644172
8.647692916	3.029698874	2.854307731	1.213322195	21.77337394	3.735405505	5.522770793
8.359747479	6.003263594	1.392533802	0.480399108	7.043088603	7.41876171	8.844758041
7.288667547	4.895265518	1.4889218	0.416465683	6.520594767	6.623995807	7.765493183
10.02673441	5.55071298	1.806386756	0.722571293	9.370318788	7.056844073	9.269953543
7.187229969	5.720460726	1.256407536	0.306955225	4.773423904	6.479288053	6.940566292
8.290509648	5.269657092	1.573254104	0.712372631	10.34953135	6.651631433	8.263209053
5.592034402	2.739453661	2.041295489	0.705914159	16.4250115	4.99815449	8.055326562
8.735115156	4.747693502	1.839865011	0.852914989	13.81075458	6.4595091	7.839441234
6.881811986	2.833879399	2.428406794	0.766361452	13.52675519	5.05631955	5.862787466
8.787350011	7.081903957	1.24081745	0.366966744	4.672213165	7.757759895	8.448812247
7.789255739	6.378430671	1.221186863	0.298078098	4.119442527	7.206563658	8.870698231
8.045454663	6.270640149	1.283035619	0.376534701	5.247853333	7.07972121	7.806687976
8.1918143	4.67989706	1.750426173	0.636902539	9.021322218	7.525903882	9.653924393
8.227948293	6.182864763	1.330766337	0.43953662	6.310335891	6.988584785	8.366579935
9.116752897	4.67006427	1.952168615	1.062540635	14.19207422	5.893382649	8.106491805
5.890221315	3.920090933	1.502572623	0.36616548	7.63166504	5.03104113	6.649746971
7.514477436	2.507412697	2.996904915	1.026469492	22.36136565	4.241965975	6.818176163
7.062767282	3.514463197	2.009629035	0.748055223	14.59606943	5.964031209	6.966887366
7.449655182	3.94118155	1.89020858	0.658404671	10.54231777	6.872685682	7.92809603
9.179465341	6.271611936	1.463653274	0.630069804	8.031971693	8.57185949	9.724446062
7.558258859	5.11802496	1.476792106	0.518069325	7.893241527	7.099254002	7.816492234
7.376376008	6.019347767	1.225444399	0.353018462	5.255991453	7.180681818	7.82987076
9.950580161	6.625688335	1.501818326	0.53540596	6.041162996	8.594151684	9.33100252

8.290751903	4.691663094	1.767124309	0.562850036	8.180344033	7.569240978	8.848034596
9.503156904	3.362023883	2.826617905	1.336618252	21.19078197	7.272308711	9.834219184
7.195383035	5.746061177	1.252228755	0.267538105	4.132408392	6.545555521	7.80348808
10.28838978	8.58002709	1.199109241	0.326574673	3.384542299	9.701848341	10.68506753
10.3108959	8.131792393	1.267973332	0.476248765	5.049201934	10.34585963	11.39188776
10.91995386	7.484191194	1.459069333	0.571809924	5.876931751	9.077765756	10.39380821
7.526096092	4.811825953	1.564083191	0.479070272	7.955514242	5.706601821	6.671516141
7.18999731	3.785774177	1.899214526	0.637721986	11.36699616	5.812612375	6.921252584
8.703044629	6.953260641	1.251649417	0.414767738	5.228731076	7.755078528	9.011209894
9.812201046	4.373600553	2.243506449	1.078309684	16.56266995	8.348157697	10.21569665
7.69948338	3.784522791	2.034466115	0.588322812	11.06136418	5.451805309	7.530225816
8.536022137	3.773922183	2.261843706	1.096324578	19.2665887	6.898919653	9.14298056
8.286339936	5.805530822	1.427318223	0.443588133	6.530978496	6.819197168	7.834302572
5.248568294	-0.855222848	-6.137076793	0.805233006	21.52016961	4.197720917	5.04676973
5.884116931	3.44571693	1.707661149	0.471400795	9.652772376	5.247123983	6.029492256
8.410094695	2.459365981	3.419619024	1.004820341	20.80588404	6.515914412	8.735657207
6.70854771	3.87620778	1.730698685	0.425908884	7.984834919	5.35979083	6.762801384
7.891540809	5.260235561	1.500225744	0.59223264	9.241503716	7.230821083	8.030517148
8.669456923	6.596219741	1.31430687	0.403635121	5.226312449	7.598603468	8.244232536
7.612739223	5.829492694	1.305900809	0.371380864	5.51381005	6.928326051	7.820490561
8.011479543	5.687172403	1.408692928	0.382287052	5.738839939	6.81608497	7.521619729
6.966783088	5.270717019	1.321790387	0.311698394	4.940527421	6.241916324	7.011064974
8.48577415	6.162155224	1.377078934	0.413496495	6.000344582	7.126159401	8.275968258
9.266234758	6.343918838	1.460648378	0.523998377	7.320281727	7.290522876	8.397289189
7.923373507	4.183824262	1.893811262	0.63289371	10.74181086	4.978846156	6.37938602
7.17808412	5.292377805	1.356306066	0.417983512	6.726329996	6.162756715	7.156993578
6.835460249	4.762303267	1.435326536	0.473152274	7.794942658	6.756677549	7.933252827
9.809329656	5.020537605	1.95384049	0.74478288	10.95389705	6.301858154	8.294431711
10.22896504	1.025491642	9.97469372	1.992133258	44.0964624	4.125041378	6.882988559
6.76425189	3.981787622	1.698797759	0.593697361	11.98318096	4.700286113	5.684504451
8.092357017	5.253571611	1.540353424	0.54953637	7.742108441	6.902338443	8.042473587
5.033844111	3.326377928	1.51331094	0.298830885	6.932460796	4.289433025	5.762651589
6.333187609	4.274903962	1.481480675	0.28244458	5.184029074	5.438725266	6.072099166
6.289439528	2.551193292	2.465293221	0.804481402	16.85686383	4.8919415	6.194977537
6.959261227	4.181506531	1.664295195	0.59902177	10.62860317	6.42408504	7.599179676
9.101532625	6.556554269	1.388157903	0.535516789	7.048577067	7.801942073	8.727371615
6.170639827	1.377480154	4.479657881	0.740177612	15.27567334	4.49980066	5.619249018
9.464541997	5.837648143	1.621293673	0.710169865	9.566180859	8.057159154	9.258003606
7.242632928	5.583233713	1.297211133	0.33825867	5.170660525	6.342814722	7.548063309
7.38964498	4.399653118	1.679597182	0.678380344	11.41338185	6.204786484	6.791977535
7.574003963	4.581823194	1.653054612	0.608001767	9.182734565	6.888496123	7.717825702
8.706080379	5.21612068	1.669071886	0.627516441	8.787853574	7.225621031	8.379908746
6.836383542	4.92687007	1.387571307	0.326646558	5.736200419	6.267411353	7.978356642
11.10398347	4.577489587	2.42578017	1.254976388	20.48115343	8.382088246	12.07574792
9.062672265	6.547121045	1.384222501	0.426958122	5.367297449	8.375501473	9.160865985
7.786082329	4.717442054	1.650488176	0.660019668	10.7351715	6.093559721	7.433723553
5.798011379	4.332812172	1.338163564	0.253560557	5.150182635	4.915381202	5.262119866

6.002074239	2.857420369	2.100521962	0.417296779	10.65197033	3.857505245	4.523355414
8.561123703	6.214029733	1.377708841	0.495898917	6.54440372	6.759391389	8.418501554
8.802708692	5.948991174	1.479697722	0.505321257	6.377692922	7.168251752	9.374512723
8.222520378	5.749834689	1.430044657	0.438572774	6.050049493	7.182621862	8.513529263
7.270369876	3.959439489	1.836211892	0.757462135	13.50226473	7.298998506	10.33223734
8.386174744	3.382004054	2.479646568	0.705037446	9.760325158	7.814219903	8.618784669
7.210501998	3.739395058	1.928253604	0.612782133	11.74855725	6.056313763	8.399048863
8.02098881	5.386932625	1.488971437	0.552571502	8.190234449	6.823662291	7.786848628
10.35792944	4.233367871	2.446735024	1.163394523	14.28854718	5.54283183	8.86561281
7.497283063	5.400751889	1.388192462	0.443805476	6.869468357	6.35383077	7.488108574
10.22642337	5.387773074	1.898079824	0.905940601	12.7498187	6.328854176	7.647409125
8.694208115	6.676595221	1.302191885	0.481607763	6.276193865	7.890631857	9.805703995
8.747012408	5.773047552	1.515146434	0.481171494	6.766567798	7.259130192	7.896889807
6.412005717	4.874346978	1.315459434	0.364361565	6.340866628	5.474125028	6.950242747
8.175283783	2.621624623	3.118403646	1.395701053	28.22673046	4.029861927	5.980992901
8.560225614	4.485547787	1.908401386	0.748489876	10.72955941	6.897473287	7.569408141
6.916758006	4.084057194	1.693599692	0.459648603	8.165343548	5.487781333	6.569564758
9.478432453	7.640086715	1.240618439	0.445184791	5.206724234	9.219928458	10.64604218
6.74834846	4.903422953	1.376252574	0.351985806	6.130683698	5.406126426	6.203435094
9.428579608	4.2001904	2.244798143	1.10945519	16.66394343	8.132624673	9.49049691
10.10529989	5.547233678	1.821682749	0.75719325	10.71156874	7.683089492	9.136149137
7.283917519	4.526584127	1.609142195	0.436188927	7.416541731	6.188090252	7.203281282
9.230745175	6.996293711	1.319376452	0.417800166	4.93703178	7.948771705	8.826034518
9.382747426	5.770008237	1.626123749	0.809641194	11.15865093	6.39794862	8.032938174
5.756114722	3.417547157	1.684282457	0.489084946	10.67118098	6.039495021	12.10762643
6.753073468	4.779228847	1.413004835	0.384762833	6.655189682	5.994663168	7.933164083
7.610638931	2.084797835	3.6505405	0.772360514	11.82777382	6.970937222	7.834677203
8.787695102	4.74504712	1.851972147	0.741247834	10.0608985	6.900464931	8.778509913
6.612914945	4.790248109	1.380495288	0.333409535	5.800186766	5.857049589	6.337381423
8.753780854	5.293483001	1.65369018	0.671423534	8.945772281	6.79867658	7.600720152
6.356818848	3.53639821	1.797540455	0.623280054	11.68764737	5.432016492	6.04577371
7.102219702	4.900849733	1.449181283	0.381140485	5.934434841	6.35340481	6.996924366
8.004406111	4.625139215	1.730630309	0.575956819	8.898631905	5.544078473	6.276527387
8.696449835	5.88648993	1.477357464	0.519979551	7.202164146	7.36716783	9.302141529
7.736499753	4.895566146	1.580307471	0.511036075	8.207842432	6.28965142	7.280918664
7.346760329	3.326828256	2.208337721	1.079147648	20.45856755	3.927761555	8.230747429
5.506384609	3.475486736	1.584349194	0.360260611	8.22490263	4.432935306	6.446740968
7.451188606	5.983523115	1.245284503	0.359756015	5.392477888	6.597567376	8.222412248
7.205109842	4.950199104	1.455519201	0.420117538	6.864957331	6.333563171	6.911327653
9.653343218	6.614225489	1.459482026	0.603846017	7.799551808	7.130759377	8.294651675
6.493806377	4.56945361	1.421134107	0.385862229	6.908523555	6.064454305	6.795554908
7.575114571	1.034891861	7.319716055	0.837530139	15.28876315	5.686385645	6.866787629
7.477291599	5.967018068	1.253103562	0.308183831	4.648833035	6.618799512	7.474383344
8.063806775	5.155222787	1.564201415	0.499722565	7.69201959	6.490592856	8.380808358
6.138062904	2.817640329	2.178440889	0.506852982	12.11362694	4.489583712	5.438978397
10.57562893	4.240561347	2.493921928	1.156585773	16.05309977	6.999713563	9.893056906
7.305227852	3.721815305	1.962813104	0.687193303	12.48155753	6.347419962	7.789172988

8.869046626	4.838091915	1.833170345	0.861213462	11.14716038	7.351649282	9.083435538
9.426955981	5.463186948	1.725541533	0.75978709	10.6272028	7.08351975	8.534835505
7.511804766	3.041217962	2.469998817	0.918973139	17.98259129	5.753704544	7.999193889
10.4958473	3.119621307	3.364461987	1.433577966	24.28231814	5.034901694	11.20150723
7.195816799	5.52967259	1.30130974	0.323102271	5.281301877	5.956196291	7.189627219
7.356320776	4.927679347	1.492857034	0.446385943	6.643307513	6.663986337	7.766292194
9.057168224	7.040470663	1.286443571	0.383527891	4.765660155	8.06762385	9.05354041
7.730997673	4.436281057	1.742675357	0.642379394	9.318384133	6.96683797	8.284860799
8.598622693	3.417229349	2.516255661	0.67231665	10.44174488	6.494692391	7.118983579
7.182353573	3.572877647	2.010243362	0.581021955	10.93290502	5.4149206	6.083729135
8.378136429	4.170559925	2.008875686	0.793281611	12.15588934	7.597538571	9.391536593
9.473607252	6.735552629	1.406507791	0.504154578	6.193278206	7.874172133	8.976171584
5.538012673	1.431153771	3.869614004	0.60545323	15.33989838	4.611000935	6.363220517
9.095546394	6.335705738	1.435601142	0.486153436	6.899447417	7.27246723	8.245904335
8.842195343	5.501049922	1.607365043	0.665268414	9.27590565	8.468046795	9.651770083
8.076196087	4.406982855	1.832590766	0.690116999	9.867269835	7.657075659	9.60295853
8.624893109	6.163724946	1.399298831	0.465108432	6.067685936	7.792418177	8.649473688
8.268046122	5.751402562	1.437570407	0.514408657	7.488784821	7.116667485	7.809702272
10.42821691	3.258874371	3.199944437	1.471985699	21.59289955	9.487847511	11.65533875
5.559347721	3.192595316	1.741325527	0.427919982	9.375433591	4.904430967	5.677227576
7.199132281	4.90515406	1.467666906	0.418721228	7.00437226	6.09335503	7.366849129
7.166618908	1.470592371	4.873287151	0.957887109	23.22281885	4.835604296	6.788511537
8.593110863	6.278885333	1.36857267	0.486466094	6.56550927	6.959418959	7.777436965
8.123128107	6.409012248	1.267453984	0.372297103	5.26786419	7.211363384	7.716418786
8.734057604	5.833390138	1.497252438	0.618366806	8.438043804	8.290819556	9.712231132
8.463906629	6.5223451	1.297678442	0.463892675	6.242721775	8.282753546	9.744848226
11.94354955	5.545336333	2.15380075	1.309935946	13.24497787	8.911354394	11.26326815
6.999058803	5.417488782	1.291937849	0.403974521	6.415367118	6.577823312	7.503979853
6.902108969	4.542987774	1.519288475	0.505438615	8.996174703	5.628727577	6.540890883
9.545277086	3.196250743	2.986398081	1.33231488	22.85642077	5.38007916	7.337543139
7.651805031	0.935375234	8.180465711	0.91257546	15.19145897	6.471385025	7.501122778
7.420961683	4.888881993	1.517926122	0.455665486	7.019039377	7.049507925	7.696253098
9.734637482	5.885123512	1.654109291	0.623912061	7.884447581	8.829378462	10.04421128
8.06189555	5.715885486	1.410436855	0.489604707	6.934828545	7.232831236	8.478707299
12.92556173	2.977407969	4.341212848	2.115438149	25.78804783	3.995453448	9.312368357
7.847832235	4.628006955	1.695726111	0.556879514	8.510529157	6.6508927	7.775974829
9.949994054	6.278155532	1.584859439	0.554462558	6.830068765	8.547694478	9.940301274
8.696555765	6.465187016	1.345135994	0.473068306	6.330417306	7.342209079	7.874522814
5.795833192	2.205658239	2.627711351	0.635077544	15.04788515	4.788222532	6.008244131
10.58361426	0.913966381	11.5798726	1.645104063	43.2067207	4.087097154	8.100486912
6.749285614	5.479827451	1.231660244	0.306691421	5.060694352	6.202671429	7.014163392
8.460964198	6.309587667	1.340969433	0.56315627	7.519524269	6.214421587	8.304394866
8.132554884	5.429574442	1.497825469	0.453903096	6.479456479	6.782631864	7.739469608
9.268050302	3.10288099	2.986917749	1.101153148	16.89619908	7.769452032	10.65628892
7.763344952	6.336235738	1.225229817	0.320524874	4.560499244	6.866433832	7.642733971
7.340678434	5.447014416	1.347651736	0.314690118	4.790007944	6.822132619	7.631686056
7.209003059	2.932662459	2.458176882	0.660272527	13.07538189	5.227602809	6.630169647

9.856662023	6.007687603	1.640674861	0.661643869	8.908517661	7.900560887	10.43622037
5.55478472	3.206432535	1.732387836	0.50275432	11.31776114	4.309648032	5.087707113
7.512668846	6.03662931	1.24451386	0.345866774	5.092591485	7.255214959	8.259419341
9.10105524	5.14600499	1.768567123	0.781050533	11.19008976	7.039536593	8.476949025
7.102909833	5.280446436	1.34513434	0.340222381	5.534484559	6.647399995	8.033409031
9.710780678	6.653292911	1.459545041	0.593298468	7.000941842	8.871440595	10.15516051
6.767988274	4.310015862	1.570293125	0.421653379	7.575577751	5.653475767	6.594220729
9.239610467	6.370676646	1.450334239	0.75640552	9.641866878	8.428017025	10.15004032
8.317081878	5.784714314	1.437768821	0.494955176	6.860335127	7.460325569	8.693843611
9.934186352	6.144969412	1.616637234	0.610288559	7.775111195	8.31736342	9.790109247
6.939441232	5.021381748	1.381978424	0.367063624	6.068389675	6.027764235	6.610980911
7.335701601	5.33789182	1.37426944	0.415155063	6.732017669	6.196754544	7.325366173
7.900393313	4.913500626	1.607895046	0.554443386	8.784835356	6.344308483	6.793165402
7.226752591	4.280776116	1.688187468	0.699883163	12.17313835	5.578906389	6.661555527
8.639665707	6.341401749	1.362422071	0.470206944	6.220714014	7.919080281	8.584234482
8.759845835	2.743813508	3.192580622	1.244277292	22.98130233	4.533103481	7.709514097
9.120998006	7.006481626	1.301794323	0.394020986	4.666700078	8.499781005	9.455589912
6.938229234	4.56186699	1.520918792	0.365462924	6.557053553	6.04820521	7.378129477
8.944957909	6.117631292	1.46216035	0.467295356	6.452737298	7.469237459	8.789740427
9.127271146	3.318350972	2.750544238	1.549981017	23.40239273	5.754217629	9.260737725
9.146782826	7.155146438	1.278350192	0.363446271	4.422858852	8.045493832	9.09318283
6.674051888	2.473778234	2.697918429	0.667790667	12.70216733	5.437411014	6.362871062
9.037560777	6.331180521	1.427468502	0.458302205	6.254605414	7.189021349	8.22469044
6.121485333	3.765663163	1.625606186	0.466130776	9.292636866	5.496127774	7.826926997
6.805678046	4.413687077	1.541948472	0.485197262	8.697542009	5.79439712	7.187451351
8.563357866	5.275578547	1.623207349	0.673664248	9.53722651	6.588095556	7.778851262
5.383247693	1.406014043	3.828729676	0.788033491	20.43550414	4.172130368	6.635866316
11.4134267	3.54073338	3.223464033	1.405425879	24.7588882	7.208779254	9.885207868
8.393356268	4.484169205	1.871775101	0.819119855	13.23430616	5.148592028	6.804609405
6.866826114	5.745478526	1.195170443	0.285025281	4.499949985	6.345180846	6.830147018
6.016031438	2.5338716	2.374244787	0.493751973	12.03697567	4.128918849	5.395035457
8.425246741	4.933910884	1.707620372	0.681327715	10.15109969	6.668118524	7.487591761
6.804351355	1.114385531	6.105922203	0.73745727	17.5055202	4.148427083	5.053222452
6.974873088	4.639405682	1.503397971	0.417517215	6.72817731	6.18474255	7.112143332
7.462784149	1.86840717	3.994195842	0.948034678	22.3220585	4.783972507	11.16504069
8.294416163	4.307051873	1.925775776	0.610851519	11.54235015	5.681525863	6.523768551
7.110662268	0.782893388	9.082542241	1.108975365	26.4383609	4.767134022	8.011909386
6.827370039	3.473484963	1.965567755	0.646411756	12.3606256	5.068040946	5.99141789
8.205160394	2.894428217	2.834812191	0.951200394	17.85480686	5.837646911	7.35600095
7.456134508	5.200764751	1.433661176	0.454172993	6.911063788	7.105797402	8.196178328
8.292478371	5.662664849	1.464412709	0.504206237	7.078778156	6.767131475	7.553933017
8.810922837	5.635686235	1.563416143	0.512630966	6.714822911	7.837668128	8.499133812
8.120890526	3.298284349	2.462155978	0.985365111	21.66399363	3.780167739	5.009047778
10.00176569	6.130810473	1.631393718	0.842745522	9.945072728	6.313612166	8.711969819
6.331404738	3.286795669	1.926315285	0.492497606	10.56018084	4.704594228	6.797041161
7.067850413	3.674829064	1.923314062	0.578666371	10.14175613	5.62707276	6.059349484
7.482029509	4.960850946	1.508214939	0.447778914	6.663558461	7.217226177	8.470461566

8.413224143	6.675972511	1.260224503	0.358007051	4.670241608	7.852299113	8.597638119
8.407131333	6.322396497	1.329738073	0.448961526	5.974708852	7.089219561	7.852329042
7.156013791	6.168526735	1.160084749	0.254421448	3.832141192	6.903058076	7.576425632
6.067356695	1.275325496	4.757496589	0.730614727	17.3010444	4.737186387	5.659882877
8.433906244	4.135870696	2.039209362	0.883179208	14.9847198	5.774996135	7.965741116
7.552394817	4.271985503	1.767888681	0.705464903	12.15652925	4.816725617	6.525478904
8.523727429	6.333871555	1.345737335	0.547146352	7.43996039	7.202706691	8.156284131
7.521330429	6.020950559	1.249193189	0.380897219	5.668933323	6.687852592	7.440414421
8.863591012	6.052104312	1.464546967	0.514175167	6.747314714	8.715977836	12.05922344
9.038927981	5.15229057	1.754351362	0.611898319	7.826175218	7.95935563	9.217683311
8.087113488	6.509323935	1.242389159	0.321607444	4.462571864	7.020115828	7.795524071
8.937726194	7.006126504	1.275701515	0.322987951	3.89930949	7.833276851	8.653991761
8.24669102	5.367426488	1.53643297	0.632133533	8.83728704	7.287304394	8.078491283
7.36021712	4.721275284	1.558946826	0.478118349	8.488086173	6.276823479	7.423142933
7.907943377	5.627771353	1.405164297	0.474710572	6.95786386	6.745167324	7.81324826
5.969953654	0.218073843	27.37583557	1.051695047	29.00607711	3.505874058	6.483931942
8.052625209	4.335986944	1.857160852	0.730369477	12.28371716	5.504107751	7.450504381
7.037398619	4.868846776	1.445393323	0.415082323	6.925015583	5.981676389	7.267698556
9.894833938	5.725088375	1.728328593	0.655674012	8.419169093	7.735582144	9.305662448
7.512947324	3.584925649	2.0957052	0.86042526	17.24724944	3.714041598	5.075828173
7.477301688	5.305092046	1.409457484	0.507529735	8.060795416	6.041217604	7.068258787
9.344008208	6.375992233	1.465498681	0.560463513	6.887679739	8.857097449	9.96948153
6.696028468	3.314559111	2.020186771	0.669994132	11.88614004	6.309666898	7.023388086
8.816682855	4.327543352	2.037341313	0.848274411	13.03177282	7.117067594	9.0372338
7.483131896	2.419052155	3.093414866	0.815900398	17.65025012	4.720330437	6.339487921
7.886468521	5.525826594	1.427201594	0.51991381	7.457240226	8.070094106	10.60631061
10.09547638	3.952726733	2.55405371	1.113848031	15.34285676	5.348284476	7.733226146
8.414919028	5.879567454	1.431213962	0.44103992	6.099243287	7.181533447	7.978232345
9.120852326	6.201780991	1.47068275	0.606168898	7.617409644	7.714185469	8.920965316
6.929154582	4.215514527	1.64372689	0.457747179	7.707761053	5.896225907	8.33334829
10.54065631	6.411973768	1.64390197	1.052750131	12.35215809	9.315838646	14.42229011
9.969007578	5.503307699	1.811457422	0.809712478	9.777973677	7.910753535	8.944071955
8.943918562	6.697325156	1.335446369	0.518363268	6.622585338	7.675023672	8.77796327
5.900914111	3.450373567	1.710224703	0.422201555	8.336446844	4.893214764	6.180589359
8.684881539	5.845538962	1.485728108	0.521766193	6.826376251	7.036628941	8.656005907
11.09855821	1.321163531	8.400593831	2.270400683	32.28978474	3.376322072	12.07313779
7.870334337	3.58580474	2.19485859	0.844571178	15.00167025	4.980522464	6.242329494
6.996578921	5.070318923	1.379909041	0.373214785	5.956864381	6.348307307	7.463332393
4.825201114	2.59420945	1.859989029	0.361685065	9.404375253	3.747718922	4.048624617
7.314890119	4.551788695	1.6070364	0.495384068	8.423468403	5.529985801	6.264064673
5.154327597	1.84637545	2.791592358	0.577146176	15.24095059	3.710311909	4.397887244
10.79003491	1.97358686	5.467220689	1.447585332	19.72173604	3.33897758	7.48886529
5.241512012	2.372433628	2.209339789	0.526099104	13.62039385	3.899773667	5.18866319
9.179765997	5.768149918	1.591457595	0.586951169	7.721966896	7.947874646	8.884235869
7.336537629	5.580374218	1.31470352	0.361126401	5.808669666	6.378889792	7.083532529
9.598758134	7.084962806	1.354807131	0.410934144	4.811674936	8.410641379	8.851272794
6.78932699	5.172318661	1.31262736	0.30538583	5.105128379	6.132669068	7.176587486

5.611983305	2.714333316	2.067536537	0.458006027	11.6364371	3.829050628	4.456855648
8.260303998	3.282683751	2.516326465	1.072834749	17.57607958	7.849112506	9.059404851
5.759151327	1.609202184	3.578886099	0.564333736	14.4447434	4.201862962	5.351547011
8.325602713	6.303782643	1.320731247	0.445769924	6.245290656	7.744046945	8.427126718
10.85195032	8.72056123	1.244409624	0.448186504	4.569978811	9.711991546	10.598998
7.485228728	4.703120394	1.591545209	0.487587396	8.079026346	6.738837381	8.495909677
8.674375634	6.082881208	1.426030747	0.516578829	7.010486136	7.068746851	8.110808375
6.997861221	4.659282884	1.501918084	0.578464659	10.61859637	4.806867259	7.143332124
8.756545737	4.247098495	2.061771289	0.928753837	15.43577195	5.502146028	8.213793427
7.013739612	5.394151165	1.300248991	0.401969346	6.443073809	6.043818681	7.065698928
7.962084285	5.497684166	1.448261494	0.503392029	7.652841078	6.934959475	8.165675449
9.448710062	7.839977842	1.205196016	0.400119804	4.649695326	8.344979827	9.40362405
9.561041782	0.451430157	21.17944857	1.392100453	31.99247298	3.735560554	4.563446535
7.965505852	3.260845543	2.442773124	1.023288453	21.1461913	4.36224909	8.495904133
6.478758538	4.752061558	1.363357452	0.378789746	6.677296157	5.952170729	7.015293554
7.831331523	5.103489286	1.534505332	0.413117692	6.599179351	6.663143971	8.050719315
10.6700051	3.565308085	2.992730179	1.852632389	32.37556009	4.136770611	6.431589329
7.408090004	4.344580922	1.705133392	0.652910616	11.29973703	6.896014463	8.540128226
7.661144699	4.799584995	1.59620982	0.490298093	8.266616868	5.985919641	7.060458199
10.65635993	8.227452386	1.295219885	0.458108339	4.743637202	9.751085341	10.86569009
9.14957161	7.276367543	1.257436702	0.357294381	4.220044338	8.568430644	10.05717737
5.80030664	2.363833209	2.453771535	0.665431641	16.34306111	5.074468905	8.471956594
7.912441086	-1.196195853	-6.614670219	1.188435732	21.69062262	5.210754546	7.021398736
8.3980264	5.642902641	1.488245843	0.483233435	6.600725462	7.15020667	8.727505007
8.854911585	5.223506315	1.695204533	0.593358274	8.304102992	7.503987714	8.586201472
7.327269288	4.784707633	1.531393316	0.45760286	7.54022551	5.913451771	6.491215836
6.537847981	4.640890291	1.40874866	0.367903882	6.369446867	6.409388398	7.382327319
9.145983327	3.50410697	2.610075379	1.473245878	28.92834643	8.302277516	11.46801165
6.181043152	2.191455746	2.820519265	0.539022659	12.728484	4.07313548	6.03497195
8.19900991	3.608700302	2.272011867	1.081647214	17.09680076	4.860542444	6.162031383
6.045346393	3.884797763	1.556154725	0.401414173	8.608629891	4.784340029	6.244006708
8.552782461	3.526539365	2.425262156	0.958957072	19.86163792	6.569384541	8.091329393
7.098988023	5.181517855	1.370059551	0.436318515	7.355844711	5.86934853	7.205682949
5.878311402	3.125003893	1.881057305	0.384719489	9.314012329	4.69423044	5.99174923
9.311628977	6.936928756	1.342327319	0.45005335	5.491695288	8.479871076	9.797300601
6.689129175	1.823760462	3.667767404	0.654985672	10.93385712	5.916422819	6.585370231
7.336710677	4.594073475	1.596994632	0.496245571	7.558171017	6.880646591	7.468908015
7.334152837	4.323429878	1.696373723	0.512799368	8.716488392	6.221912489	6.859838842
8.092365439	5.10769137	1.584348946	0.423382163	6.011171374	6.87888537	8.114367913
6.675717557	2.802490454	2.382066118	0.642957086	13.89070576	4.730491398	5.656711246
10.03804413	4.181550493	2.400555522	1.074815024	14.42665969	5.543982197	8.903557476
9.615415036	7.450228427	1.290620164	0.456011978	5.218657105	9.476321494	10.4558773
8.439230651	6.154942678	1.371130666	0.412273601	5.809360628	7.604023308	9.627562646
6.637373395	4.487146487	1.479196949	0.43915061	7.55194877	5.979319576	6.760054485
9.037364597	4.240662632	2.131120861	1.01603877	14.6516156	6.793898571	8.627820246
6.709134505	2.316562025	2.8961601	0.761110282	15.42392302	4.806848564	8.427860505
8.548591376	0.008902128	960.286263	1.329337902	30.68138326	5.678578767	7.9530593

9.385554047	6.402800589	1.465851375	0.588064747	7.071420212	8.119689461	8.990205777
8.059220216	6.540965855	1.232114705	0.358453719	4.834869887	7.312133867	7.997602771
6.693549706	2.704961316	2.474545446	0.508773032	10.88105705	5.038521377	6.46472359
8.466809815	3.544360844	2.388811464	0.959029255	16.1055375	4.011300666	8.102970415
6.805908234	2.738797173	2.484999	0.795763796	16.06534088	4.706812898	5.727971188
5.111243474	3.156175146	1.61944228	0.387756148	9.502722087	4.20085495	5.918487218
9.062542812	2.322197035	3.902572726	1.072393691	21.31361715	5.590545154	7.706530809
5.660278997	1.742035458	3.249232942	0.609504	14.45537912	4.232097175	6.089796633
7.539424536	3.403652522	2.215098189	0.942724212	15.31894771	5.895805298	8.191128493
5.326229741	2.588443202	2.0576962	0.450284108	10.67000563	4.357199965	5.148196259
7.167498303	5.623236592	1.274621508	0.339547477	5.314457221	6.709957561	7.484401208
10.29771923	2.547496691	4.04228954	2.104561211	33.28126823	3.483652147	6.608657905
7.489860397	5.376257288	1.393136525	0.437115556	7.032921193	5.822743433	6.691936498
6.186521921	4.205740935	1.470970756	0.395768988	7.740208808	5.256768311	6.546354786
9.468338608	2.583835756	3.664450647	1.510811146	26.32268306	4.543307792	7.569773885
8.198662038	6.035568791	1.358390952	0.388171131	5.734015019	7.003826082	8.185170688
7.814083482	6.153001922	1.269962789	0.349658058	5.169119056	7.217682319	8.508899935
4.290411874	2.446412482	1.753756534	0.30122863	9.002201543	3.498035965	5.237985734
8.282265506	5.500000523	1.505866312	0.42147312	6.581575057	6.066073054	7.068395049
8.140347698	1.740244757	4.677702757	0.987626296	20.20591821	4.211531076	5.853230152
8.53159347	5.543049694	1.539151539	0.506559786	7.124874904	7.072686971	8.29054657
9.411983515	4.192855763	2.244766824	1.02247916	13.23157033	6.106233412	7.519733339
9.672202367	6.171798092	1.567161178	0.528788385	6.787237792	7.69096348	8.642506212
7.573240869	5.464069666	1.386007378	0.480386276	7.571823291	6.098422088	7.819047699
9.372149482	5.333904578	1.757089829	0.709153975	9.981854852	6.376015906	8.445838299
8.348783235	5.632480063	1.482257042	0.519477849	7.116419958	7.06583318	8.430204657
7.503413081	4.640180258	1.617052068	0.532239276	8.326092757	6.478876314	7.554450996
8.750107722	6.10752969	1.43267543	0.581184443	7.980597899	6.825731175	7.964022369
9.044046208	5.504289519	1.643090571	0.586253058	8.599827696	6.112374604	7.770205471
7.405138359	4.65425699	1.591046299	0.441717099	7.187047406	6.17497549	6.880883489
7.177854282	3.844592162	1.867000186	0.758218725	14.74495237	6.172293732	7.787359853
6.90877452	-2.179514611	-3.169868412	1.282138674	35.27066306	3.827570806	5.744448366
9.656897877	5.184566122	1.862624114	0.85861101	11.13121759	6.838229901	8.639056359
7.275644279	1.981220048	3.672304995	1.029380231	16.81961894	6.40489339	7.080455022
6.701167134	3.817857257	1.755216783	0.433247096	7.959412138	5.480657324	6.428438293
8.644561996	5.961677446	1.450021755	0.559489909	7.746719157	7.824024666	9.017591217
9.294055008	6.763097462	1.37423053	0.463889597	5.825152792	8.180187581	9.161968331
8.410895943	4.754800803	1.768927089	0.605301253	9.76389218	6.705389095	7.583551994
7.644462025	5.443976847	1.404205462	0.377488408	5.382369093	7.40658478	8.303177745
8.880410673	6.100949692	1.455578413	0.480330472	5.983010824	7.986779886	8.917315014
9.601037437	3.545416984	2.708013608	1.339374205	25.06689762	4.288923077	5.205935843
8.741292349	3.969671321	2.20201917	1.177465322	17.80856926	7.924305237	10.61167713
6.915123734	4.148623782	1.666847634	0.634350258	11.32973505	4.752080096	6.652576224
6.431055944	4.567632768	1.407962564	0.394473277	7.129068806	5.525755656	7.115338225
7.271201971	3.692492714	1.969185191	0.672333926	12.9485973	5.617519552	6.980423
8.038631569	1.913324869	4.201393972	1.233097997	26.78959361	3.860099455	4.893538232
7.752229774	5.623824977	1.378462133	0.415031937	6.172671672	6.727230137	7.409559909

9.178924987	6.740589168	1.361739272	0.602375038	7.568890654	7.390837371	8.553909496
7.674613051	6.100505227	1.258029092	0.34981841	5.126032152	7.04629245	8.439723378
7.334351195	5.002850796	1.466034366	0.48294236	7.850841049	5.74467727	6.621572628
7.362052444	2.3916786	3.078194722	0.770647561	16.32842137	4.734638708	5.737261349
7.945927509	5.498680301	1.445060828	0.569074596	8.542473493	6.72420637	7.929123691
8.10298272	3.090549803	2.621857998	1.034388178	18.07690742	4.607057382	6.42933723
8.586717413	5.316740868	1.615034027	0.588075767	8.357929101	5.974627934	8.075625078
8.99345795	4.0086389	2.243519103	1.23469998	19.54596595	5.338836669	6.793680297
5.55576659	1.811397001	3.06711703	0.548138411	12.36524952	4.550592835	8.512224904
7.664498878	5.312613427	1.442698398	0.399628374	6.034836347	6.806361449	7.741807164
7.719097454	5.562472227	1.387709842	0.46939356	7.111800614	6.516151819	7.232584581
8.141076378	5.179897436	1.571667485	0.607954492	9.072907457	6.530968628	7.348514596
9.988254151	6.367326665	1.568673114	0.617210866	7.977238356	7.821816472	8.815291283
9.47744852	4.36207293	2.172693733	1.127842631	16.73174228	7.065033866	8.133593822
7.53544392	5.839154619	1.290502549	0.398640035	6.051833392	6.613484704	7.361532345
9.746012915	5.307380229	1.836313302	0.858320814	10.92195797	8.281029937	9.475572329
9.239246047	6.713517681	1.376215344	0.480512083	5.842034173	7.816063469	8.481491137
6.869639224	4.267495864	1.609758848	0.528626027	9.88374073	6.047158266	7.346287431
8.358774587	3.455512733	2.41896796	0.748047407	13.44109144	5.73578824	6.337101156
7.835349595	5.307897489	1.476168221	0.572716478	8.629691266	5.366261587	7.512937917
7.798749818	5.630140554	1.38517853	0.358396285	5.648183316	6.272251232	6.935712507
7.616036743	5.667339328	1.343846963	0.454187503	7.029934396	7.27775655	7.962258183
6.980705793	5.144185639	1.357008919	0.320408956	5.424653818	5.970602533	6.793189123
7.911760563	5.148087676	1.536834852	0.552982653	8.770779138	6.391222896	8.380820714
7.222480722	5.045674058	1.431420389	0.365894825	6.310409936	6.29479607	6.92294075
6.59014633	2.645067933	2.491484717	1.092151202	23.76835707	5.506487808	6.20341501
8.648653173	5.605092357	1.542999227	0.536492328	7.716828355	7.049303355	8.294490246
8.713228344	6.462973591	1.348176381	0.422272202	5.410128175	7.790461202	8.620250383
8.677916921	5.086558446	1.706048797	0.642521498	9.108703435	6.855122824	8.166105949
6.402668398	3.682696445	1.738581633	0.468429515	8.989437089	5.294587559	6.783350417
7.112460685	5.524762059	1.287378643	0.33260315	5.089794095	6.190794034	6.963041153
7.231346342	5.652220845	1.279381422	0.358234597	5.563283045	6.342561401	7.107332962
8.933496566	5.791519528	1.542513415	0.597122423	7.70396534	8.127683948	9.434386896
8.684275594	6.482521469	1.33964471	0.46709656	6.016060441	7.535378772	9.151844952
6.601278977	4.421225111	1.493088185	0.382660356	7.082910264	5.654925937	6.776764258
7.819939676	5.407605578	1.446100231	0.510086833	7.570609551	6.525576159	7.571834046
6.897209973	2.465319349	2.797694334	0.800599329	18.57606085	4.045602814	4.734186996
9.229602516	3.101908542	2.975459266	1.297485167	23.96224205	6.867460408	9.330821195
8.474349809	4.601612833	1.841604263	0.652762505	9.248323389	7.374132448	8.775574753
7.259022992	4.590561214	1.581293148	0.579907108	9.87833586	5.806342174	6.909495491
10.24733468	6.157870475	1.664103641	0.594188538	6.778731944	7.971221891	8.942083129
8.061256936	4.629310612	1.741351491	0.654130287	9.950444172	6.989653852	8.202645786
7.43473045	5.13577374	1.447635902	0.456147446	7.215247238	6.794740674	7.421556459
7.937828257	5.649175969	1.405130288	0.443811677	6.906902483	6.336031228	8.114041727
7.32956694	4.635917409	1.581039154	0.516211796	8.819279152	5.609165776	7.670246561
6.740818986	4.644158392	1.451461905	0.359912779	6.067514818	5.631774879	6.315202754
8.164873084	3.167411735	2.577774463	0.71990995	13.06465387	5.461305652	7.78989059

6.416497797	4.200101497	1.527700652	0.410182361	7.387075936	5.459824886	6.081329384
10.01651661	5.389295857	1.85859468	0.577968305	8.713030112	6.728188703	7.499521625
7.691690131	5.779026243	1.330966465	0.423634341	6.3308059	6.555632222	7.375156888
8.047689785	5.168598177	1.557035295	0.64220412	9.038056595	6.62070529	7.728659403
6.738371277	0.196104603	34.36110713	0.809538105	17.34189325	4.87842393	6.580006741
8.341628782	6.117133768	1.363649889	0.358169999	4.8090407	7.665398909	8.285075363
9.622240737	4.053232776	2.373966971	1.088543022	13.77042981	6.624214811	8.494250909
8.578074056	4.688723275	1.829511693	0.854130444	12.11457291	7.658161249	8.737974745
8.700442718	5.291441708	1.644248052	0.559691264	7.474965197	7.82077396	9.082744585
8.891091227	6.901687896	1.288248811	0.419740442	5.431966478	7.576425738	8.677737759
8.615333266	5.987296832	1.438935384	0.698040293	9.383680439	8.506548078	9.558500743
5.081391338	2.482681635	2.046734977	0.484066907	12.01709902	4.04578682	5.557362676
7.441069679	2.114526141	3.519024681	1.010926021	18.29068955	5.31910285	7.855590551
7.119288853	4.139856764	1.719694487	0.450135123	8.545528431	5.339938158	6.375097809
8.617359264	6.424799175	1.341265156	0.446104661	5.894446901	7.300694064	8.033638419
7.338027248	5.335424501	1.375340846	0.391501752	6.280201333	6.249681061	7.054535126
9.552026148	7.094934334	1.346316357	0.424083251	4.915972442	8.145213914	9.373975798
7.457052026	3.592926465	2.075481394	0.802787928	13.44290448	4.643319005	6.37730185
6.703741638	4.80759827	1.394405535	0.337671994	5.846671074	5.680336503	5.971117562
5.591709191	3.857319409	1.449636029	0.362327167	7.725385587	4.501906112	5.448202915
9.136420417	7.07279941	1.291768632	0.386943653	4.699510549	8.137605414	9.336663754
8.73748796	6.027100977	1.449699946	0.493527117	6.458294842	7.778112718	8.891753063
8.20128874	6.110166654	1.342236506	0.435135431	5.787526794	7.337061539	8.200572707
7.825432455	5.567845288	1.405468732	0.505606507	7.808878572	7.381010372	9.886572972
7.178555982	4.501836625	1.594583851	0.394833794	6.687992493	5.975693393	6.740444423
8.224630468	6.38976053	1.287157857	0.404744827	5.751734987	7.340776001	8.162266723
7.103332307	5.621841169	1.26352419	0.311260111	4.924345434	6.375285835	6.739721313
7.03094634	5.187258534	1.355426242	0.375810955	6.229335275	6.111296716	7.313098173
7.421744646	4.836278353	1.534598322	0.420537939	6.263858558	6.507357678	7.83810575
7.09880132	5.496013548	1.291627333	0.309136959	5.044815413	6.319090112	7.169693197
7.322602986	5.366124756	1.364597977	0.382159034	5.833350405	6.59267931	7.302957656
6.784095011	4.045795632	1.676825927	0.509854824	8.977810295	6.314085861	7.161125676
7.449633624	5.605467837	1.328994089	0.403515981	6.133258003	7.266969179	8.430060698
6.914421811	4.476127328	1.544733048	0.584380205	10.47033665	5.582750394	6.517994664
8.256412535	5.892698074	1.401126009	0.472150748	6.445524331	7.701527611	9.776352774
7.082230755	3.564467629	1.986897201	0.757481982	14.82952274	4.860427793	6.810547282
9.608010941	7.026178832	1.367458923	0.498086277	5.768244955	8.172453365	9.160671076
7.198840672	5.683738451	1.2665679	0.277512877	4.328170272	6.642974517	7.219384341
9.662355595	6.311158813	1.530995477	0.553271883	7.555996169	7.713880342	9.238890977
7.030106066	4.800932519	1.46432095	0.431418762	7.24836391	5.428437808	6.086689292
7.377291059	5.250282735	1.405122625	0.353348056	5.957729049	5.961159681	6.811487767
9.438280895	0.167345625	56.39992609	1.440542653	27.54796244	7.176012529	9.641552475
8.650422848	5.067712791	1.706967858	0.597617042	9.207181546	7.13191937	8.112919935
6.524798456	-0.094645328	-68.93946699	0.996478411	27.42767551	3.491008202	4.052867861
7.892231909	3.425574027	2.303915153	0.833968245	15.76681817	5.302023373	7.40979396
7.460865462	4.449606724	1.676747165	0.498371012	7.617334028	6.641245844	7.991542133
7.899926029	6.116685688	1.291537024	0.389648131	5.812146117	6.949003959	7.583655724

4.632896444	2.08123948	2.226027561	0.589871772	16.78674613	4.007652593	6.218546659
6.520951877	4.807340695	1.356457195	0.311438247	5.676167998	5.898044134	6.555064977
6.484267517	4.912742794	1.319887441	0.306229631	5.505469626	5.746358881	6.470998782
9.221996273	5.35786349	1.721207771	0.668666642	8.573210408	7.30129942	8.713835337
9.541249114	5.700405359	1.673784321	0.674774306	9.296345858	7.414411326	9.883150505
7.296516769	1.336231673	5.460517748	0.796909453	20.68770954	3.723038348	4.17670863
9.349278418	7.643611092	1.223149413	0.388569215	4.531797795	9.089806681	10.11337178
6.976538667	5.103055186	1.367129771	0.391401526	6.758840994	5.721793262	7.595375901
9.442125617	5.709244097	1.65383113	0.726275572	9.268152553	6.688642126	7.529539362
6.814197585	5.249392142	1.298092694	0.362976457	5.882060252	6.322452653	7.026225223
5.724931875	0.720785106	7.942633421	0.738175765	19.63271312	3.542042643	4.09080735
6.590050544	4.518655088	1.458409729	0.410199461	7.702450323	5.092770825	5.984652043
7.103332034	4.535085675	1.566306029	0.510771771	9.378673988	5.184361257	6.334140842
8.701505701	6.858961388	1.268633137	0.363385689	4.537996954	8.221440416	9.403750923
11.65213096	4.646286079	2.507837608	1.320664339	15.87222743	9.500605503	12.480083
7.725675752	5.336221944	1.447780065	0.465115789	7.352104295	6.235408665	7.103168423
6.552295322	4.1219192	1.589622456	0.468540417	8.190546366	6.00073763	7.358138949
6.77648917	4.543440523	1.491488473	0.447583699	7.997660509	5.916738965	6.577303187
8.256639899	6.399853953	1.290129425	0.326066159	4.491971524	7.59945079	8.329723297
6.54035969	3.239168925	2.019147455	0.633354879	13.72938727	4.242065128	5.539206632
7.685949024	5.216057186	1.473517017	0.491918556	7.311654186	7.058776081	8.329045784
8.663904483	3.000637465	2.887354632	1.310495242	24.79916774	7.296084285	12.32133761
7.087000541	2.82701287	2.50688655	0.661448865	11.9022181	6.643723351	8.141845592
6.813545595	5.500772308	1.238652541	0.266657622	4.341688674	5.964748234	6.926751957
9.787219826	8.043117516	1.216844067	0.386595905	4.289423398	8.773333902	9.509072185
9.84562929	5.499328441	1.790333019	0.992696043	13.45815165	5.708597621	7.79827923
8.207273635	6.150765391	1.334349973	0.419569715	6.032050012	6.73001659	7.39515816
7.62539338	6.033515445	1.263839208	0.292573021	4.204276853	6.880885577	7.715303062
7.25615838	5.634894509	1.287718584	0.343809044	5.382548749	6.670730614	7.433343877
6.256338006	3.503107095	1.785939692	0.391286246	8.167066435	5.292052071	6.635374595
9.26979721	5.910011831	1.568490466	0.626545549	7.812867901	8.76992087	9.721977538
7.174640924	3.724415878	1.926380178	0.531223721	8.622835966	6.264949422	6.759188578
7.89612639	5.647842656	1.398078323	0.417320753	6.230057295	6.893713746	7.571239265
10.25556139	4.715307652	2.17495064	1.062304233	13.8665664	8.651505982	9.85236704
7.797497652	6.165592182	1.264679437	0.316268467	4.570587945	6.770593722	7.479130379
9.15306009	5.878063726	1.557155641	0.50045591	6.385973155	7.78458991	9.098261157
7.194678941	5.517464757	1.303982763	0.333018104	5.131628589	6.520843243	7.04701752
9.27347556	6.167972643	1.503488439	0.628776389	8.188313111	6.82007644	8.357833665
8.405539282	5.334164579	1.575793015	0.548374538	8.489763926	6.514191928	7.299038009
6.558352765	4.995579958	1.312831107	0.306660336	5.415388931	5.572088208	6.248318946
8.175871644	6.29854929	1.298056309	0.386655791	5.394155145	7.625619768	8.645218164
7.637800369	3.798518559	2.010731355	0.841638164	14.2188359	4.539850532	5.933401757
7.067068849	5.124383232	1.379106232	0.444358738	7.187432023	6.397344611	7.269770897
8.927560783	5.962684549	1.497238485	0.467993429	5.827478588	7.505382207	8.281161969
7.294734316	4.914529831	1.484319877	0.387629601	5.85689954	6.529210968	7.286393586
10.53823452	5.711009736	1.845248916	0.730468801	9.580377484	7.699798202	8.933114446
6.597664578	4.374088179	1.508351983	0.436168961	7.848442819	5.377111791	6.215751106

8.010932183	5.691558651	1.407511136	0.397163067	5.904556781	6.803216198	7.615033906
5.617716596	3.02976599	1.85417508	0.42086235	9.174154204	4.934623575	7.251463746
7.615385751	4.677079692	1.628235192	0.574834179	9.365029635	6.212903966	7.565494674
8.968542419	5.14827262	1.742048854	0.636663997	9.615646057	7.537117885	10.00426568
6.541847674	3.664186563	1.78534787	0.5078753	9.547342322	5.23972577	6.235506811
6.852829831	5.289394114	1.295579358	0.339464195	5.543251361	6.21649296	7.144631519
6.771859682	4.86255479	1.392654679	0.3682809	6.199102496	5.586940795	6.902329136
8.626177749	5.145356552	1.676497569	0.701689715	11.41480571	5.716879904	6.974610206
7.656361785	3.815190215	2.006809976	0.727065085	11.58805207	6.390769633	7.744870367
7.156203749	4.408949831	1.623108455	0.469766003	7.690851929	6.181237409	7.027161639
10.30562588	8.038123893	1.282093436	0.494496975	5.40598161	8.998961493	10.51197679
7.526322878	5.477377089	1.374074261	0.502933431	7.741766633	6.044185537	6.95612028
7.705447404	5.632411175	1.368054846	0.495433149	7.275652795	6.390971518	7.755251353
7.367793513	4.222095837	1.745055962	0.496254026	8.970945934	5.446950125	6.741116643
9.595992092	7.7708362	1.234872521	0.35709777	4.185606991	8.410277422	9.903557462
7.528419231	6.068457183	1.240582079	0.36378718	5.561795028	6.891342153	8.164980248
7.259412691	5.399458693	1.344470456	0.40158122	6.667454324	6.310969028	7.24030342
6.263151557	3.698850671	1.693269644	0.498119123	9.891313094	5.351680187	6.080690637
6.536371337	2.596463927	2.517412728	0.574606476	10.1770361	5.65849517	6.889446075
7.797847537	4.189295047	1.861374634	0.581663361	8.669083985	6.135011765	7.06161614
6.933248303	4.892738017	1.417048753	0.453792497	7.711435193	5.645268073	6.472373005
7.483438401	5.772777074	1.296332476	0.326619026	5.008787827	6.603765062	7.353745158
8.77466799	4.572033892	1.919204493	0.732886512	10.35660067	6.069160777	7.384641626
6.197405452	4.323978031	1.433264787	0.369828787	7.183925203	5.239541902	6.168964069
7.438204981	3.581651265	2.076752992	0.567175217	11.20809176	4.97769966	5.877973342
7.590936815	5.066991433	1.498115186	0.340844235	5.329787969	6.48334159	6.932789593
9.500505804	3.153171741	3.012999793	1.215930733	22.44453859	6.271506614	8.759243944
7.124577158	4.479543933	1.590469312	0.454421658	7.400551712	6.241630265	7.030555691
8.065050418	6.436498062	1.253018387	0.316803513	4.386936053	7.566493431	8.787787358
9.484461776	6.783671659	1.39813102	0.509387238	6.180049028	8.560895906	10.20276886
7.646604623	5.73329883	1.333718135	0.275499947	4.079879849	6.949765105	7.703534487
9.628483086	5.008921985	1.922266531	0.648439854	8.285577695	8.387647729	9.804072076
7.916698702	6.097131791	1.298429979	0.374785826	5.321545813	6.944440708	7.464538001
9.401560595	5.969279833	1.574990762	0.623167967	8.019771183	7.903432081	9.207747415
9.275225947	1.65942621	5.589417529	1.541660403	30.79082119	7.85888112	10.62807977
6.509785944	3.072590958	2.11866338	0.645209	13.31028309	5.077954794	6.711782663
9.116674907	3.884178616	2.347130709	0.755274968	9.26960602	8.263291648	9.138970311
7.562793771	4.355758533	1.736274799	0.536919932	8.482962032	6.028277559	6.848166202
7.884816734	5.789809202	1.361843967	0.461873499	6.833219628	6.694333612	7.584797939
6.287811288	4.393224263	1.431252063	0.379701582	7.30928418	5.751173776	7.344783886
7.11977854	4.964726397	1.43407269	0.479055855	8.028714881	5.947050549	6.922015253
7.942167563	4.952324969	1.603725041	0.507026281	7.852728974	6.599406009	7.042815051
8.760687931	6.325847893	1.384903349	0.418208628	5.853395265	6.940744277	7.407643737
9.212909644	4.239347401	2.173190534	0.776929504	9.768304699	7.598703059	8.675724732
7.355882414	3.92991051	1.871768427	0.531590996	8.056024114	6.975935912	7.810181584
10.15665524	6.871204149	1.478147793	0.584578071	6.95832137	7.997781623	9.07883243
8.00773618	5.448375904	1.469747374	0.478031951	6.789901033	7.226985583	8.552747502

8.156116336	2.168257026	3.761600326	1.043776639	22.45005419	4.201454342	4.475909426
5.309354097	2.748796467	1.931519544	0.554225558	12.6192215	4.815416709	5.603233433
6.967503422	4.07066301	1.711638474	0.575710745	10.50847934	6.815179519	8.507481846
7.27216205	5.512698221	1.319165635	0.387218029	6.123088362	6.646518986	8.579994232
9.735549659	5.554715008	1.752664114	0.649415937	8.230061039	8.047698266	9.818979839
8.913294491	7.17319684	1.242583285	0.368334395	4.458849701	8.331740801	9.208275795
9.826874862	4.997961766	1.966176478	1.155590889	14.97807854	9.697204292	11.71925171
5.60355482	2.203983291	2.542467016	0.649243807	17.19432513	4.216853717	6.502213045
8.692824136	5.072350352	1.713766505	0.638780908	9.375072334	6.802351174	7.903247914
7.729148969	5.277921008	1.464430589	0.383169423	5.668935557	6.509968428	7.709701695
8.29658083	6.183993959	1.341621755	0.490680985	6.689561448	7.349254808	8.397527948
6.691445197	3.43308074	1.949108018	0.462183856	8.220606963	6.011136831	7.627063926
6.268564372	3.854196582	1.626425699	0.513258383	9.620513562	6.288321511	7.342670747
8.221749158	5.244011556	1.56783582	0.488296288	6.885411787	6.818979652	7.759005323
10.67984793	8.443190795	1.26490662	0.44653159	4.818510658	9.485866483	10.65684424
6.481317841	4.294611048	1.509174584	0.387689406	7.296461953	4.997350657	6.067795796
7.863144839	5.422449108	1.450109477	0.408614258	6.269790773	6.702455119	7.355272796
8.136406387	6.193124535	1.313780523	0.410523706	5.443109104	8.106723588	9.17752375
8.102014785	4.41934077	1.833308452	0.584435979	9.379650273	6.045400277	6.542937636
8.136531828	6.700316515	1.214350368	0.276188408	3.659939986	7.378109231	8.064745562
8.296399168	5.433939175	1.52677439	0.630967727	9.584164354	6.68033851	8.354735536
6.852653942	4.248646732	1.612902737	0.572701338	9.887041666	6.015162168	7.295140532
7.90521558	4.630140995	1.707337982	0.588762349	8.800347652	6.976788186	8.194404187
6.514306717	3.91245967	1.665015685	0.454252711	8.772336707	5.025071227	5.925020791
9.678055889	5.399097702	1.79253209	0.973821861	12.62824055	7.853645027	9.623837181
9.55378912	6.562918113	1.455722737	0.570238577	7.373440753	8.267566179	9.414884631
6.556422463	4.888331766	1.341239256	0.34944472	6.189064462	5.647943214	6.323197189
8.011188559	6.107627339	1.31166951	0.425193071	5.693091116	7.504693866	8.206870394
8.071696744	5.335389756	1.512859812	0.516888219	7.62593329	6.831228156	8.639870044
8.264462104	1.467757262	5.630673626	1.20568313	20.27713979	5.56267951	7.177848383
8.532018039	4.064436378	2.099188484	1.059015073	18.12106064	7.97445892	10.43338012
10.42650037	8.917728086	1.169187967	0.390342348	4.071146254	8.774391673	9.860354071
8.029489418	4.71424841	1.703238506	0.762381808	11.98874702	6.511792765	7.485991016
7.908229091	5.946426438	1.329912877	0.386683551	5.659845389	6.948247896	8.030435539
10.66829207	5.642277631	1.890777585	0.764065915	9.707753941	8.615844737	10.31324196
5.585563873	3.252162903	1.717492032	0.38437081	8.620402322	4.375790936	4.783847027
6.591109161	2.320695096	2.840144392	0.611705955	13.43671994	4.549789247	4.995811689
8.805770628	3.26605018	2.696152889	0.675048962	13.23538468	4.719741898	5.47216661
6.257742623	3.806588944	1.643923921	0.410125558	7.971295346	5.128707815	6.424235002
7.822186337	5.854462852	1.33610658	0.397147537	5.981449771	6.486250792	7.594212572
7.665660495	3.226870884	2.375570876	0.830871325	14.13880567	7.287057746	8.588874952
8.283503295	5.354367789	1.547055343	0.453113929	6.32702585	7.122129016	7.795895564
6.978607692	3.279604902	2.127880614	0.660230425	12.33633423	5.05442718	6.123587808
6.502627266	4.431026032	1.467521793	0.433812118	8.008919682	5.923326491	7.065888686
7.301572258	3.6438278	2.003819241	0.620125442	11.35208501	5.969156337	7.039701192
6.470594436	3.872807121	1.670776321	0.520983989	9.955089281	5.359397791	6.218875418
8.653935073	5.979382495	1.447295784	0.439399924	5.842889492	7.398929159	8.44331997

9.767777181	4.340471011	2.250395673	0.974739357	14.27794698	5.366515836	9.20868784
9.433090731	5.525402029	1.707222512	0.767277486	11.50480867	8.443874351	10.19949174
8.713578576	6.249459219	1.394293213	0.435067004	6.166817543	6.751480375	7.735221094
8.715016762	6.028823274	1.445558505	0.524046745	7.321854155	6.932936266	8.133809948
6.079209567	0.337155711	18.03086634	0.816264522	19.95856112	3.930423381	4.876715859
7.006517062	2.854513079	2.454540185	0.676367514	11.83471409	6.73840869	9.365473043
7.490468821	5.879006748	1.274104478	0.326952555	5.08209805	6.539224505	7.129002552
9.569154776	4.845770051	1.974743885	0.886434327	13.78063682	7.513907425	11.10094834
6.299921469	3.177782117	1.982490063	0.580522578	11.58581969	5.377448953	6.654958403
6.748225841	4.607135012	1.464733684	0.43201812	7.811536174	5.400655938	6.380242632
6.402717771	3.947695502	1.621887445	0.455835582	9.099999381	5.312444384	7.58568831
7.360685385	5.113274976	1.439524653	0.479890247	7.880764642	6.194176994	6.752896535
8.617139861	6.342274013	1.358682997	0.42409717	5.830999379	7.458788491	8.631562231
6.810793912	5.335253267	1.276564311	0.337082306	5.693501696	6.051454816	7.880731463
7.541767117	5.572845445	1.353306348	0.394358882	6.268723275	6.31851807	7.344211276
11.81747467	6.077792712	1.944369482	0.773000427	10.09571464	7.186046822	8.525323561
9.225107321	4.995312289	1.846752873	0.693903904	9.019641404	7.042984511	8.927286511
8.65207406	5.178053576	1.670912425	0.581743486	7.759206163	6.938534106	8.654123182
6.367114006	2.438856502	2.610696448	0.675396769	17.63249259	4.367908521	12.68143009
6.417775618	3.443737726	1.863607548	0.489715751	10.25489329	4.676179924	7.637414984
7.322769396	2.627681632	2.786779535	0.768836825	16.19472398	6.013129791	6.909739593
6.558742751	5.060884931	1.295967571	0.37042229	6.430371056	5.869304251	6.501397
7.065398308	5.132211071	1.376677266	0.521800082	8.654177434	7.100456798	8.879505959
5.513748768	2.855107226	1.931187984	0.423550049	10.41315019	4.189755603	5.088172265
5.541862797	3.793208336	1.460996156	0.40471131	8.192735475	5.755630995	6.773120041
6.950325507	4.132063423	1.682047151	0.398398802	7.177830969	5.506237764	5.932229924
8.27848459	6.126843062	1.351182739	0.482459983	6.697667806	7.213612891	8.587003112
7.461078701	4.653818354	1.60321657	0.4739327	8.168771404	5.628302848	6.445312918
9.696322333	5.190543128	1.868074707	1.15090741	16.01419263	8.789557793	10.38287709
7.654769356	3.97299205	1.926701403	0.598486407	10.12894285	5.625066249	6.383909988
8.239170531	5.701441534	1.445103047	0.527879213	7.800307465	7.326701619	8.9085196
7.506334604	5.295020406	1.417621469	0.527205778	8.462138242	6.081888909	7.42183743
8.14856058	6.546099417	1.244796338	0.311488569	4.289837794	6.922519512	7.575395012
7.153161039	5.25380554	1.361519947	0.447486818	7.055992046	5.800333484	6.561603143
8.16887656	5.86001382	1.394002951	0.407406102	5.935146947	6.735679264	7.438323212
7.746193303	5.19068932	1.492324588	0.426759906	6.648659443	6.426864786	7.127484192
5.188513899	1.854969511	2.797088507	0.506416414	12.301419	4.017996881	4.363530173
7.296379045	4.100450148	1.77940928	0.65955997	11.32266941	5.788352597	6.774169819
8.539653159	4.992486069	1.710501149	0.613687781	9.32439056	5.538602643	6.756476382
6.743728833	0.790413719	8.531897497	0.999608169	26.59435802	4.085986204	6.230724892
9.163389975	5.249801598	1.745473577	0.658103962	8.583000743	8.929567549	10.99755531
7.190720185	5.074612075	1.416998899	0.440059166	7.235159706	6.150504566	6.782160168
7.207441828	3.447275041	2.09076495	0.56300948	10.89107503	5.063437672	6.073277005
5.957141751	4.458487038	1.336135263	0.275961084	5.350080564	5.103682782	5.381587761
7.547878027	3.466942925	2.177099015	0.99618048	18.6842119	4.824013478	7.078275759
5.946717114	3.08713072	1.926292617	0.404383384	9.120381182	4.61195348	6.828860691
6.214676705	4.831901215	1.286176275	0.306115388	5.281670194	5.839271123	6.364542965

7.114885913	3.105502332	2.291057984	0.696556717	16.48134224	4.079873601	4.994333002
7.469304311	5.121382534	1.458454677	0.433060472	6.517908609	7.045587243	7.572753307
9.135058606	5.863558123	1.55793776	0.561154397	7.05319959	8.051572263	9.069452716
8.726727882	5.448665753	1.601626577	0.778799763	11.02653698	6.878880934	7.726162449
7.595625342	5.653093305	1.343622851	0.401395464	6.313167671	6.980128408	8.371059889
6.937121807	5.05629478	1.371977329	0.421847265	6.940145231	6.525227781	7.294722979
7.043758211	2.187774344	3.219599969	0.620234043	14.7155015	4.190310285	5.729104728
6.978534387	5.460553755	1.277990237	0.303216078	4.71753859	6.397644041	6.867337588
7.110277869	5.51167198	1.290040099	0.347220721	5.554649146	6.294019801	7.321390696
6.165861312	3.066924353	2.010438016	0.475772666	10.88935043	4.518103856	5.743488059
6.753671207	4.241976673	1.592104749	0.496949621	9.163054584	5.530239432	6.351301648
9.870018561	7.320953911	1.348187501	0.473771502	5.510973559	9.237640965	10.61435431
6.098639694	1.817090215	3.356266874	0.680163538	15.05758639	4.539216811	5.074265832
6.943922737	2.683219218	2.587907351	0.874215483	18.3100358	5.687943678	8.328005548
8.240030127	5.706686653	1.443925456	0.562645277	8.006522235	6.256633162	7.754057509
11.62534438	6.427776056	1.808610673	0.881381579	9.175826858	10.4666006	11.7563165
8.152473327	6.036222816	1.350591848	0.466663649	6.778613714	7.73481006	9.336148028
8.896063253	7.56569434	1.175842276	0.300217991	3.648191025	8.398260699	9.370944347
7.62143948	5.480141157	1.390737804	0.400711349	6.346807288	6.238992652	7.493574148
7.373448735	5.000348839	1.474586868	0.478778735	7.415197221	6.111371892	6.899336802
9.782789099	5.81045653	1.683652403	0.830243931	10.64258816	8.894145925	10.89469669
7.527102283	4.50054717	1.672486033	0.611245431	9.826254427	7.191440302	9.138680787
10.52760429	7.902126821	1.332249473	0.525221415	5.90195412	8.87599899	10.20028154
7.88815891	5.453981716	1.446311946	0.515821889	7.649044977	6.280203265	7.143031465
7.699613371	3.230270528	2.383581593	0.648753454	10.17103172	6.230199777	7.549505626
8.719313859	5.952213445	1.464885952	0.517984648	6.699915951	7.865610934	8.716382728
8.169613073	5.911257836	1.382043094	0.466338759	6.725462775	6.8250531	7.705978332
7.422556663	2.896388743	2.56269352	0.908842822	15.91246696	5.14364205	7.558329309
8.913993299	6.506527656	1.370007748	0.430510485	5.5458871	7.136576673	8.290246655
9.160465695	4.914996801	1.863778567	0.885188398	11.8337776	6.840649455	7.782384335
8.952130892	5.793565923	1.545184954	0.576777292	8.30999785	6.309533832	7.087980492
7.8254723	6.024336983	1.298976522	0.458350674	6.651415071	6.779058908	8.515788672
8.223863567	6.033504931	1.363032543	0.47774108	6.840658749	6.761164177	8.144372447
9.586645933	5.6210789	1.705481475	0.732762318	8.925496198	9.722116865	11.50551425
8.566535619	6.145087949	1.394046056	0.463682104	6.39326926	7.195731405	8.059790579
6.801842456	3.420226529	1.988711098	0.520806455	10.76919416	4.807077437	5.260770355
8.663549607	3.373665514	2.567993054	0.885390486	12.6435433	7.076644487	10.01861393
7.26216109	5.632019569	1.289441736	0.36163632	5.501926598	6.954576874	7.735961207
8.339623338	3.849812244	2.166241575	0.889959789	15.77242223	5.132660292	7.072386514
8.801425216	5.92999399	1.484221608	0.561916665	7.479460472	7.50502707	8.607317395
6.128473645	4.005697494	1.529939206	0.407840432	7.99899747	5.642052711	6.641779051
7.847646906	5.386430525	1.456929012	0.486957752	7.508619721	6.811484546	7.592524103
7.23978037	5.183144554	1.396793065	0.378050316	5.984713188	6.956197222	7.999656195
8.829336058	6.043126052	1.461054425	0.551922754	7.246504632	6.9613557	9.610397831
8.353405475	5.094327778	1.639746369	0.611284275	9.340840228	7.121604622	7.993899426
10.39449004	7.435688208	1.397919029	0.511857788	5.709786741	9.451473879	10.41434154
8.265671356	1.628113854	5.07683866	0.917942299	19.44122438	4.575182617	5.440934636

7.436862875	4.004456084	1.857146818	0.538354445	10.16536236	6.11903209	7.613509971
6.622004019	4.098745339	1.615617334	0.476375824	8.796938084	5.543780379	6.497908737
7.91544318	5.058571609	1.564758551	0.484439152	7.235749263	6.722514975	7.417763489
8.310614706	4.482031657	1.854207052	0.820768881	13.0981094	5.902456738	6.748459519
8.479562975	4.681943463	1.811120327	0.625548538	8.799602614	6.498838344	7.623723172
7.935910794	5.63328774	1.408752963	0.382672488	5.716008868	6.959299386	8.402327985
5.91224317	4.070717089	1.452383706	0.269114154	5.508239701	5.082423715	5.857386239
10.17861477	7.326332107	1.389319324	0.435222185	4.857779021	9.220931703	9.750332843
8.91752336	5.92001282	1.506335143	0.588666192	7.685352725	8.124530174	8.582329685
7.532223587	6.070683487	1.240753797	0.33710984	4.947807691	6.871313736	7.433761621
7.092523424	1.594527928	4.448039637	0.691166225	13.46364029	5.109409142	7.497612562
6.107595425	3.456955039	1.766755817	0.47193604	9.252963742	5.273703001	6.249160811
8.127496997	4.823386576	1.685018787	0.535385672	7.955632111	6.67833281	7.679076603
9.560687692	4.46637037	2.140594465	0.935820742	12.38180669	7.277037473	9.297345882
9.416281996	5.193409	1.813121592	0.664330709	8.235637303	7.369650013	8.272301551
8.457930296	5.023932843	1.683527738	0.590053831	9.5404891	6.482023185	7.540642338
9.326231967	6.725245298	1.38674971	0.572251934	6.855081021	7.589395141	9.528222245
9.184557739	5.104176896	1.799419951	0.822591203	12.42606671	8.306804443	10.11658827
6.329923764	4.165932278	1.519449511	0.494522727	9.442502344	5.387362675	6.757315943
7.154072182	5.059022844	1.414121344	0.378267087	5.84325522	6.433052865	6.986484499
7.735294564	5.98679906	1.292058492	0.367392507	5.507121572	6.630819509	7.847137151
9.130334861	5.89865716	1.547866678	0.637078795	8.973727484	7.100114486	8.851579174
7.514559777	5.606758913	1.34026804	0.36667075	5.720426299	6.537319551	7.33066141
8.637036509	5.782333226	1.493694011	0.459980343	6.543359292	7.176751481	8.253133522
9.48109716	5.125766069	1.849693691	0.80207419	11.25231247	7.438319634	8.5103428
8.32496767	6.252201251	1.331525864	0.349494056	4.627891096	7.482277986	8.079115074
7.389763742	4.228007853	1.747812208	0.527992325	9.354758195	5.601585518	6.717660277
9.159338472	6.312866692	1.45090003	0.475609508	5.689778434	8.085156483	9.651070217
8.656652767	5.94750997	1.455508744	0.510492612	6.734795143	7.607941943	9.292699027
6.722006508	3.799641637	1.76911592	0.656927479	13.92272765	4.396562766	5.598275698
8.435185713	4.807478544	1.754596643	0.556696189	7.921628412	6.33701034	7.530475257
7.26021152	5.102880119	1.422767408	0.417720986	6.471512732	6.393861542	7.042734958
7.803219366	4.946455922	1.577537431	0.556289588	8.7734066	6.522924594	7.176856185
9.078672397	3.934096062	2.307689556	1.177892291	17.07830947	7.301614153	10.06916189
8.217637035	5.205097611	1.578767134	0.523864953	8.158117339	6.713352841	7.861651069
7.749939213	5.27433334	1.46936849	0.519070197	8.279372316	5.934424793	6.794962106
7.461729896	5.630808146	1.325161452	0.402530542	6.106146305	6.91623786	8.109495033
7.131360848	3.147590081	2.265657429	0.755872819	15.34253308	4.791638735	6.143220211
8.164514593	5.226794316	1.562050102	0.552794517	8.649955658	6.971966031	8.348684841
8.076776953	5.603927159	1.441270867	0.408780953	6.249004503	7.241810482	8.516428719
6.578272663	4.449452394	1.478445454	0.374315175	6.600899952	5.140189964	5.872934587
7.952676969	5.914609012	1.344582026	0.433459565	6.05497428	7.237380761	8.50094602
7.957372298	3.806023123	2.090731464	0.512301022	9.85433643	5.339146676	5.980552593
7.860162508	5.92972301	1.325553065	0.348282786	5.065635468	7.162734501	8.101119459
7.405846088	4.613886706	1.605120923	0.521093922	8.634413799	6.644987164	7.745369955
8.888465297	5.522308339	1.609556141	0.640265483	8.408240252	7.383897887	8.218080999
7.370753432	5.246912266	1.404779241	0.380749014	6.215976172	6.186381921	7.411659262

8.420115692	5.148057467	1.635590851	0.744488013	10.86911283	5.560716092	7.658233697
7.12378714	4.530807198	1.572299775	0.565840923	9.592483054	7.053756239	8.252640384
10.06024027	5.884713878	1.709554701	0.569911525	7.462619817	7.410184751	8.20560378
6.738436852	4.497462149	1.498275389	0.52363405	9.157140504	6.014506171	6.961789826
8.742738048	5.770555453	1.515060053	0.40020043	5.673823682	6.942877308	7.393930734
6.332736985	4.781273128	1.324487603	0.329447623	5.89012163	5.626177273	6.981311714
10.89842753	6.209263566	1.755188423	1.020524021	12.12882454	9.470797856	11.26650688
8.174341532	5.965539426	1.370260248	0.409674999	6.136385951	6.999185448	8.152984397
7.738466845	5.124403164	1.510120613	0.48354164	7.839467911	5.508485299	6.282806264
10.19255354	4.141675832	2.460973275	1.564781005	22.28040146	7.937719613	10.87468101
7.307313837	3.285389219	2.224185127	0.795348547	16.12130095	4.121852011	4.666695741
8.335026764	5.010607492	1.663476291	0.573757905	8.424442269	6.543795591	7.574436272
6.437603273	1.080137519	5.959984873	0.673599402	14.99742296	4.505205027	5.528353358
6.537890454	5.075141913	1.288218254	0.305017991	5.221625381	6.148604428	6.532934754
7.705619586	3.183090132	2.420798427	0.678693236	10.76641294	6.516953703	7.567692764
8.764860372	5.563618187	1.575388547	0.558542374	7.612724384	8.093819284	9.099024407
6.105039152	4.301602743	1.41924755	0.319796897	6.264427192	5.299888667	6.079996011
8.97394873	3.93552535	2.280241627	1.023202688	15.97123457	6.994487912	8.567279208
6.807199275	4.296282817	1.584439285	0.610654903	11.32566966	6.149433731	7.123406308
8.076342617	5.640097875	1.431950792	0.439665212	6.183399464	7.067100467	7.978959296
6.605668394	4.591866229	1.438558544	0.438795167	7.688288103	5.976009418	7.010375341
6.875476765	2.897057677	2.373261954	0.58685173	11.17914206	5.548660425	6.733534783
6.805921683	4.730109536	1.438850756	0.380056608	6.360574627	6.221544871	7.32296504
8.472413241	5.66471148	1.495647796	0.615170288	8.970132531	6.71210876	7.966290477
7.619062314	3.997939892	1.905747089	0.76685264	12.8667398	5.08856574	7.195740074
9.611945893	5.758138563	1.669280061	0.573326102	7.264822391	7.843514648	9.240988558
10.58764165	3.444749036	3.073559653	1.676724578	24.4126678	5.196663802	7.532964358
6.107624041	5.070691037	1.204495402	0.257168077	4.650293053	6.059408008	6.925445718
6.733031355	4.936011627	1.364063107	0.289245056	4.920775746	6.206767009	6.975541553
7.109096898	5.125435197	1.387023077	0.307201585	5.016198938	6.35267212	7.68373684
8.084893211	5.710323364	1.41583807	0.418509789	5.974419978	7.026727335	7.819240693
11.67693596	1.766689803	6.609499837	2.339048649	37.61694877	5.697586414	11.25479554
8.137742513	4.430856791	1.836606981	0.659018761	10.53063367	6.908762517	7.826876555
6.282078003	4.428014613	1.418712121	0.331520266	6.087576985	5.671102213	8.317076188
6.139153647	1.968044123	3.119418704	0.83479636	18.58614352	6.19554442	8.289405208
7.31638613	2.175480507	3.363112704	0.812095935	12.9050974	7.229776886	8.973898872
5.405162649	1.999318514	2.703502524	0.559600965	13.48260545	4.24341368	4.847842719
9.608563179	6.400966741	1.501111249	0.700331129	8.812367545	6.655828924	9.174069629
9.161534497	6.918138228	1.324277457	0.50474323	6.375416431	7.556953067	8.968440996
8.090449541	3.531157453	2.291160802	0.954491346	14.74712151	5.623112022	8.941235679
8.56687465	6.154671504	1.391930446	0.469761566	6.087462318	7.598673613	8.192442888
7.071312584	3.081373041	2.294857679	0.757262435	15.07835283	4.150178545	5.873874842
8.303607774	4.12858676	2.01124701	0.593202602	8.780019801	7.342919343	9.173542543
9.423867663	6.345298433	1.485173276	0.520091205	6.582439035	8.247576981	9.520513761
11.70355632	10.09563418	1.159269057	0.287174472	2.648349462	10.72701527	11.36978844
5.586216633	3.383617247	1.650959971	0.377142635	7.708463742	4.948514274	5.864996952
7.395406097	5.424730936	1.363276111	0.35358853	5.592015129	6.277323006	8.29769557

7.390596523	5.155190472	1.433622397	0.458759477	6.925210909	6.02219303	7.084954067
7.906969773	3.96329687	1.995048575	0.666208662	10.45624294	7.100194273	8.270349226
7.749498416	2.094060884	3.700703487	1.051667938	24.5997313	3.808393006	6.722869343
6.874662431	2.872555488	2.393221806	0.664132365	14.80295736	4.007076854	4.861769565
7.983622904	4.776421039	1.671465484	0.586017777	9.124760566	6.609397754	7.803931485
11.20680789	8.1358792	1.37745505	0.620462005	6.583368443	9.840108272	11.04969903
6.794136084	3.423684628	1.984451496	0.767948826	14.59294904	4.635838122	5.560830933
7.855650861	4.862500978	1.615557693	0.590189384	9.004552103	7.037223456	7.992980627
8.383968822	5.233362542	1.602023318	0.544713014	7.371978244	6.967570598	9.233054045
9.641406933	5.31914809	1.812584792	0.792311643	10.67242423	7.835082064	9.251778724
8.222624526	5.9138617	1.390398515	0.44082909	5.964836489	7.577455831	8.68628369
8.137173179	5.813563932	1.399687571	0.494106618	6.932583909	7.801269255	9.473872955
6.066587544	2.775801947	2.185526078	0.45439601	10.73391276	4.193925149	4.946377558
7.705146235	1.160211276	6.641157859	1.151304827	23.60991576	4.566179089	9.037747697
6.780432796	3.099598102	2.187519986	0.800208713	14.5351514	6.026043514	6.694254552
7.928829943	5.309213503	1.493409511	0.473337062	7.318937328	6.504745448	7.133724381
6.979757545	3.191010121	2.18731915	0.509222971	11.4902986	4.351895524	5.238943053
6.538830479	4.438172942	1.473315836	0.433515699	7.699415853	5.483034581	6.32692407
8.007065394	5.12637387	1.561935512	0.638892747	9.802703135	5.583686043	7.738784638
6.791496822	3.918054115	1.73338515	0.421280975	7.554418723	5.601253437	6.334928471
8.221338198	4.934997079	1.665925646	0.673452213	9.817977992	5.93880798	8.960689305
8.926338559	5.674939815	1.572939776	0.655852305	9.347005834	6.857348795	9.500173675
8.213130787	4.346167527	1.889740958	0.777736206	12.71333457	6.519391216	9.107488411
7.383417264	5.068141545	1.456829332	0.422453159	7.07253145	6.584982085	7.963605421
9.425829517	5.396703767	1.746590127	0.912414143	11.7117747	6.460712075	8.0533612
9.881924054	3.407402818	2.900133791	1.241251486	21.04968292	4.876052733	8.639383519
7.424313938	5.200210985	1.427694753	0.455216085	6.972153622	7.019824706	7.888342447
7.337148631	3.52720664	2.080158431	0.856669995	17.5710476	5.717246878	7.799513796
9.633166889	7.102722207	1.356264065	0.519019356	6.132131335	9.015964116	10.22331406
9.657213977	7.314226262	1.320332956	0.510272462	5.98759221	8.461782679	9.188963735
6.804892671	2.490620779	2.73220746	0.94357426	20.98006838	5.829630917	7.596962366
8.062432201	5.43602275	1.483149091	0.540502937	8.067620981	5.101748699	7.045667114
6.039842308	4.486124255	1.346338613	0.421669288	8.126651338	6.216148539	7.437549526
6.232968195	3.854151921	1.617208746	0.332896319	6.482803703	5.341372609	5.86715234
7.532745751	5.412361597	1.391766905	0.453863279	7.088908523	6.80996257	7.845516381
7.285336777	4.347341158	1.675814369	0.533193847	8.701638473	5.920753016	7.03893823
6.214829659	2.304283381	2.697076979	0.851926349	18.21128858	4.918516472	7.196668659
9.875110862	5.159350212	1.914022204	0.998782278	13.92124159	9.452918742	13.3347398
9.265885976	3.954314398	2.343234514	0.794313941	11.45777815	7.938570039	9.647025096
6.759525667	4.762634876	1.41928278	0.369991475	6.433033633	5.686088134	6.683229917
6.098194676	4.075070515	1.496463596	0.428678151	8.199693201	5.101203628	6.056690008
6.944749367	4.047210995	1.715934597	0.501010559	9.129866483	5.836144535	6.246743544
7.061877008	2.646132776	2.66875384	0.943225964	19.17739166	4.324996674	9.008125741
6.065027211	3.666098993	1.654354458	0.401788191	8.051616554	5.364706363	7.14377829
7.708269583	3.413327605	2.258285894	1.152047211	21.84420303	7.345075918	8.702360478
8.733267529	6.471487264	1.3494993	0.499653521	6.495134773	8.08530472	8.89696717
6.949085259	5.060695236	1.373148339	0.344051162	5.606923066	5.772963533	6.275087171

6.783669583	4.106769504	1.651826229	0.503720154	9.231034116	6.126755823	7.304164963
11.77162099	4.46210646	2.638130913	1.400994521	18.6606596	8.040176745	11.25799177
7.053104554	5.137150015	1.372960598	0.341977273	5.554443773	6.293466231	6.787823496
8.177230712	5.622102253	1.454479187	0.537791671	7.949338021	6.558050132	7.600683181
8.753584747	4.766686935	1.836408572	0.66008271	8.741577004	7.483772199	9.153247863
6.526551161	4.472005119	1.459423902	0.383146236	6.648854393	5.611929407	6.531787562
8.471058988	5.950825914	1.423509797	0.538352846	7.273686333	7.530663427	8.662738722
7.867344897	4.003905315	1.964917819	0.512784714	9.320863413	5.403210003	6.470517808
7.713567913	5.643994833	1.366685857	0.463865428	7.219493545	6.328668153	6.975064913
8.069550493	5.721502858	1.410390013	0.380921416	5.951762198	6.227208763	6.824177145
6.689232783	4.310948049	1.551684852	0.482492577	8.492934906	5.291874502	5.882883031
6.666776423	5.007385161	1.33138878	0.303253206	5.244522906	6.120031029	7.378818685
7.09993398	4.356525192	1.629724073	0.481998798	8.752732846	5.554294398	6.168714031
6.953452237	4.200874955	1.655239042	0.584895033	11.07546834	6.504774905	7.756521564
9.54880171	7.245976015	1.317807524	0.533291976	6.553462376	7.820443506	8.596142025
8.784206467	6.059383586	1.449686481	0.536030752	7.145761511	7.159701724	8.14763179
11.03676283	8.686063336	1.270628868	0.528820675	5.229600471	9.183933297	10.2491328
7.083633022	4.770511091	1.484879269	0.45335031	7.333931147	6.469226301	7.290151847
6.989458105	4.561839371	1.532157872	0.406017394	6.786409914	5.763026011	6.332072633
6.712044514	3.680272231	1.823790223	0.563229235	9.485785817	5.392474391	6.619561409
6.882509288	4.458596987	1.543649114	0.445768407	7.678887209	5.852711776	6.972339378
9.197077082	3.922160372	2.344900822	0.685448757	8.244494329	8.678380774	10.1452661
7.455910783	5.746771362	1.297408634	0.385113998	5.925809666	6.463923446	7.068439714
9.926557975	6.713354047	1.478628701	0.531020358	6.261032751	8.639338699	9.911499605
11.75841784	4.604719456	2.55355792	1.214600496	15.29907865	8.682701521	10.748624
5.599287902	3.587541923	1.560758877	0.369556483	7.864403279	4.974519554	5.553775328
7.758888508	5.854594389	1.32526491	0.39868575	5.997859506	6.382039971	7.356924258
5.71386201	0.502203528	11.37758237	0.911602617	22.48876058	4.257822915	4.455169617
6.991492294	3.607342539	1.938128198	0.498313338	10.74083574	4.751277924	6.449183401
7.872531884	5.705322986	1.379857355	0.443739379	6.433645287	7.337657213	9.474959962
6.25484635	4.691512685	1.333225927	0.296988525	5.42058505	5.775999375	6.382508876
5.586870656	3.681356906	1.517611793	0.36698485	7.557652513	5.289506436	6.589667703
6.251399457	4.301615052	1.453267989	0.452010078	8.727684339	4.738865911	5.707817535
7.203442123	5.260031313	1.369467536	0.389853302	6.053802185	6.226147512	7.172974128
6.929696639	1.722746102	4.022471234	0.677447466	15.43282593	4.440839612	5.284505933
6.805264697	3.908918341	1.740958522	0.569026135	10.75009487	5.726419837	7.261855991
9.386032742	3.994041741	2.350008676	0.836738755	11.89631026	7.64059353	10.73721483
8.80602326	5.558138094	1.584347692	0.63885489	8.908002466	7.28938994	8.261208212
8.113988891	5.879918561	1.379949196	0.435501882	6.054873372	7.182344444	8.064296368
6.081771681	4.524867012	1.344077443	0.334755549	6.213781552	5.587170207	6.584940789
6.58041389	4.363112128	1.508192707	0.503034697	9.338211338	5.964986337	7.512494591
10.04393193	4.99398155	2.011207256	0.839772055	12.23657303	7.269552759	9.73294306
9.492366369	6.856522654	1.384428645	0.674968056	8.153758743	7.402573227	8.790140449
6.403266054	3.523594159	1.817254135	0.429431033	8.419839582	4.860831088	5.532076991
6.188422016	3.514585713	1.760782784	0.459408273	9.163840851	5.582142374	6.66741418
6.852551566	5.066787661	1.352444986	0.332526729	5.469365398	5.842153656	7.058086054
7.396007183	4.175271329	1.771383606	0.531661953	8.274240981	6.700871015	8.031527329

8.770898166	6.175013869	1.420385177	0.516558506	6.919576114	7.87218803	9.086049977
6.09957349	4.412880482	1.382220415	0.425647338	7.958247902	5.380754068	6.401166709
5.832209586	3.009283969	1.938072195	0.480320013	9.618048703	5.16454196	5.756918914
8.826152714	5.575281868	1.583086366	0.524038695	7.494795311	6.862831678	7.34904617
6.272362543	3.955993252	1.585534187	0.486555866	9.362628315	5.845105992	6.32422602
5.621646415	3.078351176	1.826187493	0.399921854	8.719433465	4.720648027	5.755562983
10.22503615	3.774955364	2.708650875	1.186392772	20.82885544	5.114448466	8.001533707
10.7048362	4.097218834	2.612707944	1.524236176	20.84376133	6.284818669	9.651276406
6.035780329	2.762727438	2.184717988	0.742378687	15.25037616	5.733247941	8.602577227
5.734645989	3.227385214	1.776870627	0.455243775	8.94287897	5.483956653	6.234141636
8.131845131	5.87537506	1.384055494	0.425982399	6.138283054	6.970653989	8.183703004
6.389997975	4.805292981	1.32978322	0.291256749	5.026210629	6.267414785	8.021915371
7.543128225	3.736240038	2.018908889	0.732663478	12.27829051	5.919709632	7.391842351
7.596960368	5.436138944	1.397491942	0.500728747	7.483997599	6.560806411	8.233856142
8.323144509	4.381448557	1.899633055	0.664231391	9.583841313	6.57442503	9.247311499
4.78402407	1.481264416	3.229689459	0.475914203	12.53062683	3.92647756	5.046937486
7.115314267	4.913475095	1.448122587	0.480476266	7.995218601	6.411112271	7.109567
6.657249582	4.814716933	1.382687638	0.38181998	6.395512755	6.199315374	6.817861751
7.14236628	4.937187306	1.446646813	0.47457974	7.64432314	5.959622135	6.838507082
6.421942505	3.730408835	1.721511713	0.415294339	7.711291343	5.312947439	6.030454858
7.897760953	6.188521012	1.276195223	0.324616755	4.574681314	7.631343999	8.429606149
9.091635685	6.418252041	1.416528305	0.447950473	5.851805982	8.345079042	9.760898853
5.848046282	3.231336274	1.809791921	0.434350609	9.710757168	4.50660947	5.323873978
7.756131682	5.374606658	1.44310685	0.459970205	6.608652876	7.236346293	8.036048322
5.911650211	3.817165029	1.548701763	0.353676649	7.821552737	4.446992857	5.244068525
7.737361338	3.683403523	2.100601058	1.03401183	19.87206603	4.499070402	5.554907443
8.535913395	5.848073062	1.459611278	0.462730273	6.385027607	7.179986187	8.720029032
9.235147381	6.52873506	1.414538543	0.538607748	6.835020553	8.101267577	9.981278501
5.337321369	2.694599993	1.980747192	0.450620558	10.47539292	4.416392461	7.110622601
7.466522283	3.172557316	2.353471203	0.56964707	12.7674632	4.804343653	6.938804646
10.2947288	5.455498708	1.887037162	0.964955697	12.66820791	7.873465451	11.0064735
11.59188103	2.654272811	4.367253051	1.868354813	34.59103896	4.728378964	14.30255532
11.30237878	2.542745916	4.444950125	2.630471536	41.70594363	3.730300688	6.638453315
8.52579781	5.643005599	1.510861129	0.554589061	8.141321701	7.363151076	9.132058233
10.41174202	7.998201201	1.301760453	0.51130262	5.524138054	9.761700083	10.94624313
7.489870096	3.235348469	2.315011866	0.931808784	18.2430151	4.256476939	6.130545579
6.412817529	3.495126048	1.834788629	0.513384998	9.719131907	5.805004738	7.448683204

PDTC.Min	PDTC.MFC	PDTC.SD	PDTC.CV	FTC.Mean	FTC.Max	FTC.Min
2.741752784	2.965123464	1.234811399	21.02973741	5.645734865	8.195940372	2.895328217
3.565490275	1.397621711	0.310295992	8.032614228	3.89025224	4.341387674	3.630909062
2.165456812	4.050226023	1.631670241	39.88323595	5.999203547	10.33151274	4.44051513
2.68807231	1.655667827	0.282231148	7.642618397	3.984658267	4.395241997	3.716039382
5.290953564	1.66653031	0.712972242	9.102855423	7.652805889	8.829204864	5.313340046
3.49137981	1.275164509	0.175927941	4.439603341	3.97644626	4.339383451	3.784234332
7.698076843	1.34618168	0.525370601	5.941409917	8.629840719	10.70476407	5.97505459
4.831679111	2.233492155	1.439216939	17.59488919	7.055027009	10.7716026	3.53041848
5.203215025	1.341706821	0.395395836	6.261016624	6.400179985	7.395856848	4.961504724
6.002032218	1.837781772	1.171328466	14.54362881	7.186574932	8.858111511	5.768560192
6.041900341	1.32837704	0.521479817	7.201741721	7.367937276	8.419181117	5.282808949
3.152175352	2.729434104	1.042068604	13.8871104	7.701985786	9.225000901	6.266749918
2.996759163	1.550996296	0.292524403	7.12370956	4.212227156	4.651722018	4.025556727
6.29427293	1.448457865	0.623825564	7.730897628	7.657647218	9.262953975	5.360076761
2.645842536	3.832556815	2.414279076	43.91918297	4.388599406	8.570076109	3.166797097
4.554778307	1.706802823	0.636615164	11.02913253	5.919573253	6.570186844	5.16341686
4.258354903	1.760484812	0.573615509	9.772128927	5.907090861	6.987551689	4.613683903
6.723405779	1.306941552	0.590021964	7.531370148	7.643547124	10.43269759	6.467832712
5.232081739	1.408916943	0.614785308	10.24220954	6.032515475	7.058755449	5.006109389
4.595583559	1.516953637	0.590739896	9.648896551	5.800169798	7.292188468	4.810425176
2.980732127	3.358026783	2.02839128	29.09876791	6.191398284	9.641024939	2.625216117
6.119389954	1.52115449	0.691115464	8.21074181	8.497414541	9.918590156	7.163454849
5.164349952	1.576652058	0.650925405	9.726866747	6.631668628	8.658763067	5.29220651
5.328980046	1.472057277	0.714553074	10.9869343	6.082639439	7.677374232	4.3326464
4.115728736	1.673079465	0.811285747	13.60445293	6.527001879	7.577308533	5.27786023
3.995333868	1.913387898	0.725819002	15.97195008	4.536954022	5.781875417	4.15189243
3.662270419	1.658041031	0.411569509	8.915792102	4.654081834	5.254222315	4.378212898
5.947125396	1.401069416	0.609416601	8.135736612	7.571612969	8.422257654	5.776846563
5.877258781	1.581219295	0.807302956	11.2656215	7.145063139	9.741835677	5.946511717
5.374618125	1.762508799	0.792443394	10.845041	7.197159337	8.530533366	5.131079352
5.112168041	1.326184215	0.383590622	6.255706986	5.79424971	6.335652705	4.96538621
3.899928223	1.975281989	0.857255768	12.35290978	7.316043726	8.519377517	5.819979775
2.09467141	4.109207594	1.841261624	35.69129221	6.280003895	10.34919461	4.689026562
3.468826826	1.418706405	0.285556568	6.655253143	4.287223065	4.560418675	3.93005017
3.502870481	2.988461143	1.41594543	30.89426784	4.371028305	7.565997273	3.944791274
5.325603451	1.508234042	0.584392556	8.792319992	6.548461063	8.970649038	4.768327795
9.588895245	1.223926211	0.452783508	4.085698474	11.29347873	11.89763292	9.115697603
4.041455922	1.849211052	1.069955242	19.14937736	5.54135956	6.891924785	4.597373622
3.546143723	1.348224279	0.237165879	5.408062442	4.450249557	5.019532006	4.153973414
7.032780056	1.390620888	0.833335865	9.70137594	8.287564883	10.01123615	4.410245115
5.031913994	1.25843084	0.291220349	5.282650374	5.364280919	6.949638346	4.544011282
5.517022878	1.444561237	0.635970947	9.207275139	6.627676084	8.266718819	4.417786996
4.854377819	1.265394654	0.367381166	6.450143817	5.572152512	6.863080785	4.660411631

4.794768105	1.597903765	0.77288224	13.00584942	5.91734463	6.772268691	5.113676219
5.681089675	1.398698737	0.640372619	9.252263326	6.838448896	9.067814195	5.056897365
3.644822358	1.82959089	0.814934961	15.43942194	6.086198382	8.473072144	5.565809975
3.674163739	1.409394789	0.443325712	9.94578329	4.993701076	5.725531021	4.744186346
5.740670511	1.521676545	0.611837082	8.694550162	6.965318934	8.361978383	4.304934948
8.35313833	1.202284427	0.479593062	5.16639576	9.155196341	10.78378742	7.661385245
4.75358374	1.175275659	0.200074855	3.886371166	5.089379211	5.696317637	4.434116881
3.831222313	1.73720165	0.583290297	13.04646506	4.417224838	5.992901916	4.115229823
5.818518245	1.243228059	0.428579687	6.610408709	6.284867069	7.432460352	4.876898832
3.76679011	1.600475423	0.516893023	10.54805349	5.336985153	7.553750262	4.6390226
5.348571396	1.528807908	0.764330957	11.06033033	6.228947797	7.621482769	4.520412107
3.220916278	1.344118938	0.265934928	6.493491335	4.238222196	4.412694619	4.077509961
3.729074007	1.775339469	0.494066134	10.89999119	4.579853117	5.750291234	4.165561428
6.514082135	1.177878609	0.272813583	3.770521776	7.119534589	7.958906412	5.821172148
4.416724981	1.631319303	0.585886648	11.81639101	4.781328649	6.211140678	4.451068655
8.286192415	1.257974264	0.538632704	5.790383849	8.803698811	10.30636547	7.481524565
4.86362938	1.483943088	0.647061516	10.66628995	6.322901704	7.178684684	5.065065804
2.091072432	2.749586698	0.7740159	17.27191388	4.687668035	7.553016271	3.790949314
2.719930666	1.995507137	0.519176114	12.97101687	4.16310292	4.913519953	3.653951656
6.206704441	1.519830571	0.642996717	8.116936089	7.865199084	9.023280334	6.411444885
3.174559191	1.448265723	0.248033219	6.270871239	3.993078357	4.852778194	3.819461064
5.727172028	1.729740402	0.953713929	13.3361711	7.009007138	9.266823232	5.813733087
5.543176467	1.840049494	1.280528118	16.42877042	8.33263673	11.10011029	4.707617637
4.855274258	1.51633978	0.803976565	13.46007005	5.763233901	7.649488133	4.848953607
1.86507583	3.648882987	1.629433175	44.35509536	4.636700009	8.174536635	4.110551614
5.939731128	1.69895367	0.856286	10.82069972	7.775642073	9.794157024	6.314761852
6.359680012	1.595762143	0.902654967	10.86392409	8.186975848	9.991018366	5.513474011
3.350878983	1.292984669	0.236102432	5.808407028	4.228711528	5.002706726	4.08795134
1.942441774	3.537216081	0.844343158	19.28951137	4.422518614	4.74003922	4.205097314
3.197245933	2.836276018	1.50781028	31.50245631	5.202450001	8.14460767	3.968876684
4.404122611	2.066175525	0.948693152	17.33184519	5.394631907	8.143186771	4.665733485
2.254804044	3.124969482	1.013476767	20.51507328	5.487738057	8.536030237	4.574791885
3.888165479	1.128222226	0.11462267	2.708236984	4.296057228	4.904337747	3.905336156
5.26611126	1.325078025	0.288015502	4.956875675	5.854968299	6.491380021	5.272727488
4.582704902	1.612861159	0.620929765	10.5034712	5.865894282	7.191732324	4.822268799
6.081159429	1.388004038	0.603394972	8.344793676	7.571900374	8.767251931	6.524964522
5.404052131	1.308372868	0.384978305	6.204991784	6.22625544	6.853890989	5.70863407
5.667198232	1.262639827	0.326002737	5.006831583	6.621768888	7.524457616	5.1278643
5.799859772	1.30593226	0.506246552	7.533425865	6.932333544	8.088104602	5.109473589
6.041193723	1.401800085	0.578848125	7.391797125	7.726258729	9.179970205	6.202337904
6.046906563	1.336883769	0.466288695	6.363175917	7.140883201	8.427161403	5.555363155
3.479706781	2.859457065	1.555512716	21.31003249	7.892929798	10.5154369	3.760447983
7.25668879	1.362924242	0.756788399	8.632736708	8.427018331	9.342449061	7.212462714
2.784073294	1.645757533	0.353716487	10.20921557	3.569907584	3.794451703	3.49882442
3.672863246	1.461694957	0.318622907	7.74331514	4.150235767	4.477193025	3.789947791
4.933992283	1.911442652	1.013337173	13.44691851	7.164550725	8.877479597	4.341991816
4.138871256	1.778114479	0.786231285	15.57606454	4.946610227	7.189742319	4.274595443

6.168983777	1.391632074	0.511034264	6.508725142	7.540959156	9.586001069	5.822549614
4.386855761	2.043758093	1.469045809	23.67300962	6.172967557	8.784715853	4.11093869
3.638055495	2.103693074	0.802244605	17.30959126	4.367717707	7.581486564	2.630370954
3.207706219	3.063046028	1.694606628	25.92717522	6.559603025	8.272759869	5.332013923
4.086165573	1.22692534	0.195579201	4.40874284	4.557381836	5.056088368	4.384806026
3.579601037	1.61526918	0.48469394	12.58024608	3.881581389	5.399754024	3.567752487
6.645890168	1.449096481	0.836086112	11.03161755	8.202417249	11.11173817	5.672373432
3.772362879	1.534889807	0.348178881	8.356571455	4.153902517	4.86771339	3.892939249
4.019015403	1.914721	0.99227391	16.79213805	7.028825933	9.647662734	5.954193122
4.478191765	1.72534164	1.039339648	16.53217574	6.884684677	10.23027339	3.3014876
6.393626566	1.615838099	1.040321627	12.91636968	7.29096191	8.821233258	6.236422122
5.722430475	1.373328355	0.576461	8.416678787	6.84050254	7.274144119	6.351594433
6.65005918	1.365176367	0.635886477	8.137445549	7.562883482	9.432878733	4.357445522
5.235895998	1.53408868	0.792301481	11.99237867	5.937509965	7.904585096	4.17592678
6.072327469	1.427714347	0.614192002	9.093358423	6.284204343	8.329164786	5.115208625
3.58534047	2.612615836	1.047942905	14.08866729	7.51991513	11.46324948	4.640055961
3.728297132	1.31114999	0.186945459	4.313270601	4.352906058	4.74399805	3.916004468
3.343936247	1.456737195	0.280832116	7.159687072	3.889821315	4.614105667	3.700852889
4.95352702	1.67987016	0.837522432	11.24205339	7.638700972	10.24991796	5.196244928
4.399540503	1.804311503	0.696981558	12.5015881	5.778126336	7.278793436	4.343962039
4.264460937	3.172108259	2.47922371	26.21709006	7.951198893	11.29597671	3.424473549
7.141697707	1.449683904	0.764897371	8.386406221	8.914570835	10.51425401	7.058056365
3.228790296	1.742092337	0.412599444	8.844379161	4.764766211	5.67088426	4.298824545
4.992069981	1.639290107	0.62441573	10.40928173	6.129511751	9.366459788	4.270653664
3.107699343	2.263744155	1.146600972	22.93436723	5.645300873	7.663177099	3.991214505
4.549219653	1.673367279	0.751714082	12.6521841	5.929132669	7.683434914	5.08805425
3.165653833	1.855683051	0.562144283	13.81790816	4.107131488	4.944336332	3.829304509
9.026080818	1.26873966	0.619021657	6.008280499	9.563950445	11.07854715	8.265221645
6.379024519	1.595677715	0.946721314	10.56151646	8.05627771	9.713386155	6.749072464
3.200149907	1.302942153	0.216627941	5.911932805	3.637441409	3.999835974	3.307781476
7.134117614	1.560520007	0.711391188	7.358374534	9.697791831	11.36224696	6.672512331
2.920253587	1.519519521	0.318105123	8.39318021	3.971402607	4.777242301	3.764698704
6.013216122	1.778853807	1.295576237	15.52182013	9.157375435	11.63442853	6.098625025
3.807334623	1.528422502	0.376661292	8.801168852	4.355998575	5.147630286	3.986797185
3.798605625	1.982779466	1.165775688	22.6498287	5.568171928	8.618749358	4.264852138
2.281314326	4.409805802	2.024434716	33.61350036	7.627251127	12.03901312	5.273108319
3.12888834	1.971536128	0.636962574	15.04552718	4.223359539	4.695348517	4.026151548
2.56045165	3.088308994	1.381534583	27.47923063	5.396792107	7.429306082	4.447580941
3.858749704	1.228146376	0.172822918	4.253479001	4.156435312	4.64090887	3.949681384
1.348105016	5.073015182	1.083296414	22.83459953	4.94633148	5.724795843	4.457689664
4.119687314	1.129017183	0.124049263	2.90678676	4.294689812	5.242180554	4.021982439
6.92663151	1.26237512	0.42615427	5.451890673	7.72413097	8.943577938	5.519214178
4.826774721	1.914566294	0.893782358	12.36030936	6.993013782	9.77227009	4.761467242
2.084721302	2.97160914	0.730963086	16.01099541	4.5315804	6.17938777	4.254448176
1.372697481	3.590387521	0.797423107	20.81110769	4.140938787	7.795297712	3.61725638
5.158598754	1.670470692	0.739565152	11.54303526	6.605918908	8.509155871	5.490084988
2.114958406	3.712280982	1.191937474	20.05851848	6.282031667	8.192758289	4.321396014

3.926934116	1.428928486	0.473992848	11.04262807	4.5890567	5.643601861	3.816808457
5.173833959	1.561390797	0.671108095	9.827881982	6.811774314	8.227494094	4.876993729
3.670000001	2.390289286	0.933625886	14.72951564	6.356539624	8.102655653	4.7984883
4.522810124	1.820492941	1.060088121	16.16166498	6.290526436	7.986507855	3.939351181
4.140129689	1.217221446	0.155391739	3.474824973	4.475284656	4.77086415	4.016801129
3.528435764	2.232719583	0.865918802	17.15485261	4.855664505	6.225760985	3.873795296
5.841803966	1.531258472	0.864761832	12.53555719	6.247745288	7.008237027	5.010715801
4.714699377	1.665869727	0.647363638	9.517471718	6.523995212	7.803858395	5.42055483
5.746451693	1.932842888	1.101423115	11.82953005	9.896090249	11.97511193	7.726017797
8.16599766	1.382457386	0.719676044	7.122279687	10.27300172	11.66292867	8.755163076
6.994159423	1.492746156	0.9550978	11.21131842	8.285959985	12.51884269	5.417510051
6.791119986	1.377567821	0.672063677	8.232117765	8.178293675	9.771152309	4.820216582
7.188309684	1.422542148	0.643849775	6.813801061	9.383803096	10.84112542	8.071567323
5.690272352	1.41328517	0.565977053	8.348078254	6.891228463	7.83325064	5.708360444
8.237298648	1.219862481	0.377898699	4.095853838	8.82655649	9.368247195	7.361192257
6.818420607	1.260230974	0.427788644	5.646023742	7.508850214	8.425402656	6.2119735
3.515004255	1.344155107	0.209196972	5.208730098	4.06604648	4.394578021	3.895261156
4.325074275	1.532459917	0.537343538	10.74561491	5.800987641	9.464643803	4.628046456
3.911148698	1.301048692	0.211120038	4.95830329	4.293736085	4.646173777	4.165975959
3.354204229	2.121082626	0.862831244	16.62028128	5.559020434	10.97619804	4.103707473
4.358171507	1.661405498	0.67222915	13.5188647	4.784729837	5.64038243	4.478762013
3.348559387	2.05966932	0.849641187	15.55328755	5.504511024	7.853221787	4.473367493
4.194466026	1.441109876	0.447390195	8.230307628	5.425206704	7.26784479	4.469923474
5.278017875	1.448979808	0.549353621	8.365714078	6.469981656	7.213247845	5.575251203
4.786409459	1.223963563	0.283435744	5.125152332	5.469204305	6.427667361	4.344864543
3.906398275	1.29098133	0.220945187	5.356802769	4.085720512	5.570097156	3.615870248
3.986091004	1.286749879	0.222522176	4.748310143	4.86435957	5.788698716	4.461650332
6.03352599	1.755386869	0.897287122	9.347448128	9.528995527	10.71576673	8.249599704
6.925957188	1.332947459	0.510657542	5.971671566	8.694652308	9.827340237	7.493276277
3.264197731	2.104328695	1.017922133	21.16280858	5.681345997	10.42646701	4.791800318
6.045170611	1.206516385	0.281295042	4.158334453	6.575781895	7.421646948	5.720511345
3.234464604	2.9680562	1.447511412	28.63410086	5.163006347	8.932929155	4.06976986
7.815514815	1.42059579	0.859944433	8.839267876	9.281301161	10.50683647	7.547761209
3.283284022	3.232852024	1.357891971	25.69817908	5.146619917	9.572887007	4.412742757
2.960886865	1.466638302	0.256359824	6.751250527	3.884904509	4.592891387	3.668180819
5.12132383	1.861321113	1.171503729	16.22498499	7.934712046	11.94779053	5.294770102
3.703797228	2.663072664	1.716841083	27.35546558	6.882200716	9.824744097	4.508223253
5.237545033	1.971616944	1.272491691	15.73909371	8.373991109	12.13714625	5.391375934
2.972623784	1.435295066	0.217941974	6.145229972	3.563021432	3.833126312	3.156840935
8.637913015	1.167704899	0.3642435	3.937482289	8.991703561	9.714152225	7.974762342
6.01751638	1.506641208	0.592783906	7.663119072	7.85199759	9.411721526	6.187270486
3.933780929	2.352159884	1.232101451	19.6981328	6.557945904	8.140172313	5.132185635
4.118897596	1.87081437	1.00403949	17.23429861	5.863326538	8.368151959	4.666627435
4.503193279	2.40482459	1.344846017	16.61052611	7.571750287	10.35371662	5.560799052
3.917149625	1.35880115	0.236297158	5.084291064	4.783213656	5.47507311	4.5216558
3.947514505	1.59641148	0.64501239	13.80572715	5.291792867	7.41662021	4.662076126
2.599694924	2.757872964	1.328799766	25.26092347	4.768174252	8.194313283	2.297738641

2.497099042	5.207294774	2.315511209	44.09160219	5.249061141	8.244462873	4.526842256
3.482468078	1.871168899	0.622959244	13.39740991	4.746391564	5.74292586	4.519063484
3.182806888	2.151393717	0.839542584	20.51450057	5.071324224	6.608714378	4.301297903
3.828931721	2.216895785	1.337228864	22.95497133	5.220478212	7.490961865	4.282200136
5.560603981	1.317025099	0.44604679	7.110841717	6.427850834	7.518559092	5.430882919
5.266674507	1.740378851	0.797799917	9.472656269	8.409630043	9.152295119	7.121139701
4.995718002	1.359458929	0.491405518	8.245114619	5.492494485	8.145281794	4.043820304
2.186147204	1.976389779	0.6150016	20.51942932	3.623570342	6.067056407	3.026992651
7.271836889	1.235735618	0.497391989	6.115231274	7.959080389	9.216810104	5.940371319
6.669395556	1.584878433	0.819195737	8.719773745	9.429026692	10.44216308	6.916412847
4.762275249	1.523437192	0.497534913	7.810145723	6.013877419	6.670565933	5.1079697
7.333584199	1.227452774	0.401698103	4.93153031	8.283284968	9.952306114	6.781377117
2.633518197	1.902755145	0.431768268	11.73997944	3.764926057	4.108240722	3.399116216
5.532809548	2.069104824	1.335126298	16.49855594	7.664374765	10.55056153	4.898665021
5.630280302	1.682712919	0.934343262	11.02402246	8.554320984	9.219176994	7.36271482
5.251973962	1.317988882	0.4539243	7.791468718	5.975362097	7.436053333	4.623810421
5.078285643	1.561153145	0.504407885	7.021819449	7.353797658	7.955426241	6.584534519
1.564680917	5.166281218	1.863980618	32.44582228	7.102547214	10.34905302	4.385058165
4.443839348	1.854206307	0.796560928	11.35079107	7.672928713	9.612065721	5.967640703
6.312740825	1.209444351	0.2814148	4.090792855	6.782957454	7.329031274	5.471731706
6.019992737	1.255128991	0.443548495	6.484817747	6.484275183	8.000425957	5.062755637
4.861782325	1.56311006	0.703810986	10.8214868	5.987090105	6.762912355	4.836177911
5.667202146	1.325309231	0.497465449	7.554242023	6.770170946	8.482744389	4.204200754
7.002404431	1.358526177	0.664525086	7.900842008	8.300403934	11.00231239	6.971508646
3.459680402	1.74464984	0.528546298	11.86226064	5.061248133	10.87813248	4.578662724
7.520860431	1.268397797	0.379724449	4.430504255	8.150602814	9.01194759	6.833428273
5.559845492	1.238566904	0.315762149	5.052656353	6.169156625	6.767898182	5.590967208
4.909025126	1.933386673	1.244319874	18.4046614	6.34910116	9.341509834	4.797457603
4.007349354	1.395919914	0.317064885	6.415822822	5.067287023	5.965563991	4.908731387
4.510813628	1.518227835	0.574578955	10.13322072	5.704429875	6.740241626	5.289642566
4.500886834	1.206156229	0.222066395	4.648182211	4.828490901	5.541931229	4.492880888
4.382243105	1.419814927	0.440750097	7.910305168	5.403755936	6.251264447	4.541256465
5.804943312	1.396608972	0.584176242	8.091667314	6.601730701	8.002047	5.306243583
3.614823542	1.575946722	0.50459659	12.45059179	4.179789312	4.75094606	3.892372282
3.608387673	2.029972304	0.655157936	14.40845815	4.531576019	8.093073677	4.239656798
3.027174013	1.357136004	0.205398252	5.83550026	3.673002529	4.162386987	3.31843097
2.395832973	2.235238258	0.541501275	12.66639707	4.340312341	7.527538724	3.212566536
7.219992545	1.389049289	0.661553579	7.484971858	8.361077809	9.36808263	6.696562935
3.713842764	2.515474465	1.305616382	24.15321259	4.875206386	8.476901331	4.176898626
4.119875133	1.327191587	0.260842714	5.567668596	4.88323191	5.525954048	4.548630239
3.39171566	2.565441147	0.953780643	21.09956456	4.447011295	9.325217231	4.111497792
5.12687109	1.576278081	0.739571118	10.77475147	6.863713509	8.638445669	5.432010597
3.719720366	2.308597095	0.920413511	12.82027738	7.358729027	8.887978212	5.507175636
4.582646825	1.54762599	0.615356588	10.64779573	6.002876033	7.54048978	4.544018216
3.458117438	1.758522889	0.581641448	13.35983414	4.49681952	6.792700081	3.92451295
5.289080377	1.424474539	0.542711056	8.842826427	6.155339818	7.817541989	4.529093382
7.055332061	1.547264669	0.973151188	10.57167286	8.593753724	10.79772722	5.588977276

2.644798063	1.799885147	0.597366738	15.91906653	3.681457074	4.961883937	3.453673226
2.342284263	1.800754017	0.334242246	8.603541387	4.002385502	4.663214972	3.729285921
5.033983586	1.584220445	0.632955435	9.338003068	6.474208896	7.291321715	5.280255674
5.747537692	1.414542191	0.653973516	9.157009757	6.961816505	8.924537995	5.366823704
4.315728131	2.468935264	1.457255335	23.40728484	6.064745423	9.091029908	3.73522162
8.297605215	1.384524253	0.781723098	8.146609546	9.812339612	11.42271535	8.368789946
4.970046106	1.286154482	0.361958576	6.112517188	5.592606524	6.773913333	4.310052468
6.512715192	1.496993584	0.665648403	7.60469746	8.895403168	10.63814472	6.79115363
6.826430885	1.237336052	0.452453474	5.714764486	7.699653467	8.242985732	6.323243718
3.07000468	1.857667454	0.48662585	10.94227222	4.48527074	5.287008826	3.867648173
3.527699553	1.487378902	0.396382796	8.827097365	4.632618593	5.01321909	4.217659172
9.629100815	1.336355412	0.766400447	6.843961964	10.4417841	11.30817317	9.370839632
3.891671826	2.377877534	1.555171291	25.37179344	5.388227347	8.642576715	4.790733613
5.630419784	1.331341221	0.506473066	7.768148407	6.726280407	7.424622305	5.812197081
3.957512201	1.51680511	0.523022377	10.71134721	5.08231008	6.731522724	4.225715438
3.459913191	1.755275082	0.53991272	13.35551478	4.061046579	5.331165257	3.813717978
5.453723981	1.475629905	0.580862145	8.554661433	6.752654543	7.665924648	5.40541571
6.21149627	1.335333439	0.53228286	7.274081645	7.042558159	8.562483412	5.764204848
7.831485004	1.475143624	0.708169742	7.138653347	10.00396628	11.52164538	8.351364309
8.330121515	1.189101056	0.435663894	4.713343679	9.235334954	10.45022535	8.394706367
6.828388366	1.30342982	0.533696087	6.571894742	8.125938911	9.114851017	6.412373427
5.730653642	1.590401433	0.837925544	10.39376473	7.85506962	9.006762784	6.372396149
7.066506057	1.432438204	0.661856808	7.427079856	8.765319929	10.99758505	6.609901984
6.817061506	1.235462383	0.334846714	4.482802406	7.347589179	7.674082602	6.700032732
6.359187399	1.592034506	0.696184514	8.098524637	8.615966388	9.860337084	7.058343678
8.56874209	1.240605746	0.484779503	4.94144733	9.968081866	11.1457098	8.591502501
8.625105343	1.271802914	0.545374722	5.518780788	9.842709663	10.73323861	9.064169836
6.131658031	1.668187358	0.852101628	9.997713469	8.218240469	9.511219094	6.59210019
4.008129901	1.877303124	0.659430876	14.38832727	4.460247632	5.29508435	4.015809162
5.67547561	1.743836385	0.963559609	11.45797367	8.395586782	10.5172638	5.900280406
6.341706342	1.846878923	0.826286646	9.284462834	8.832544383	10.55815986	5.216004591
5.459363446	1.498792059	0.55211426	7.780617201	6.897175708	8.220611874	4.649037543
4.417672191	2.527338689	1.149007392	12.79761202	9.133624584	10.36985523	7.706656982
6.475061688	1.256248167	0.387894095	5.327063933	6.866796843	8.074552657	4.881626274
5.725328092	1.864943634	0.905748621	9.709631341	9.167283006	11.21177457	6.253664929
6.51076375	1.527862156	0.650883464	8.02607952	8.226603315	9.186873226	7.566112444
4.027132502	1.441114244	0.375709875	7.881476181	4.824115773	6.148786921	4.540805473
5.915520338	1.268230518	0.409614029	6.056547144	6.544232986	7.628280247	4.391287624
2.666660372	3.425437883	1.536768503	31.77642261	4.523947144	5.530215438	4.148750053
6.421403145	1.566434975	0.874991021	10.11520458	7.864760245	9.19880777	5.922992285
3.784899332	2.16907934	1.102658957	21.67367518	4.618897994	6.135270461	3.152865703
3.754951047	1.86851735	0.705133746	11.67942944	6.582844537	8.264488443	5.571221502
3.448323936	1.670152088	0.488216243	11.23275302	4.490807162	4.967301621	4.268442053
9.074513813	1.173276015	0.482532143	4.90930427	10.34629699	11.55144445	8.943485262
5.054931668	1.416306539	0.554209783	8.654245241	6.361795521	7.248689753	5.227200646
5.41935911	1.875975676	1.068021479	13.71564466	7.326361093	8.669527902	5.488129062
4.558449712	1.198029816	0.182340511	3.662250836	5.097077983	6.577548456	4.596065534

3.373576294	2.690620212	1.259100763	22.27138223	5.441288694	7.370181553	3.938606135
2.219217186	2.53440378	0.824889808	20.83763539	3.880167244	4.283509167	3.236843054
4.856077928	1.394874678	0.526535597	9.417100302	6.0341037	7.739213048	4.887037288
4.491896491	1.712129621	0.817220186	13.18281806	6.095517504	7.68463364	4.752105393
3.468696714	2.132542274	0.867782678	13.41802982	6.608476599	8.85412521	4.161301883
2.938701442	2.528143795	1.411117863	28.40382906	5.996183747	9.557747555	4.634260552
5.793553203	1.309481606	0.359514078	5.652040586	6.224041948	7.150541652	4.718062839
2.681599507	3.937230327	2.643532339	56.61333798	4.55960892	9.81073956	2.066205435
4.800867196	1.562404079	0.721252164	11.76269044	5.957918218	6.946882708	3.832446343
5.324434758	1.968562895	1.050097632	12.30336012	8.140192608	10.75641252	5.230566836
4.797384973	1.66051514	0.689652071	10.1315088	6.450311225	7.27532246	5.675156989
0.663632982	8.115942811	1.569324682	46.23033926	5.372568054	11.44431658	3.977976923
5.205332608	1.442287949	0.645428869	11.01333239	5.981111491	7.083290463	4.548802324
4.950113867	1.49981808	0.646275624	10.28669185	6.623460109	7.789040908	5.513291732
5.387113389	1.621194605	0.684595504	10.52023919	5.973256462	7.38064003	4.672774798
5.390925263	1.469328299	0.665755585	9.584273561	6.492406423	8.385906154	5.572770297
2.119870421	3.311323794	0.907991559	23.57032737	4.632680883	11.91672577	3.828380833
3.414506519	2.125917522	0.700560332	15.0137108	4.779123582	7.662065773	3.796463705
3.454104805	1.747349545	0.420166577	10.20042658	4.210541664	4.925028699	3.889608061
6.379104175	1.218266038	0.385365796	5.470113103	7.012524543	8.48854974	5.532878744
4.778470419	1.496792178	0.540882966	9.148475895	5.498399264	6.535690639	4.029413323
3.418435162	2.108594608	0.857867663	20.94533683	4.44678017	5.901297897	4.107631669
4.329642484	2.248058604	1.233187547	21.54567366	5.681010852	9.518916873	4.340335018
3.487669464	2.087894657	0.691634596	15.83153897	4.448289277	7.384923113	3.829654625
2.641405347	2.836625996	1.390728748	25.86387983	6.071209806	8.693818783	4.925236138
3.400200831	2.439894967	1.122472749	20.73352627	4.871211018	7.474199345	3.310100966
2.392851629	3.942446643	1.536404049	21.78175684	7.708317795	10.2461824	4.868697178
3.943658338	1.580748015	0.425638483	9.187550679	4.753781194	5.146906031	4.450376981
3.122576877	1.838538594	0.506109904	11.45040854	4.428764837	4.948586525	3.912696525
5.27564463	1.389051705	0.512424669	8.282469296	6.103520073	7.401148356	4.850691474
3.166250526	2.571622093	1.202702569	21.87722468	6.386873434	9.144413106	5.079300722
2.736001153	2.641129597	1.088486592	20.21628648	5.427570395	9.330296369	3.621870785
3.482223559	1.352224058	0.267961063	6.338896359	4.457774816	6.655710149	4.252014786
3.630432042	1.67511729	0.761275015	17.14788347	5.201929235	8.274285353	4.390384546
4.212977979	2.034973027	0.790952239	11.85883388	6.500848198	8.255156531	4.320225962
3.725791473	1.427260369	0.30138451	6.906161424	4.540703592	7.684469374	4.166065721
6.017695828	1.250236046	0.442972552	6.495438525	6.857467353	8.201589736	6.029427667
6.686474839	1.506176022	0.801358302	9.708617081	8.179562707	9.797245924	5.972119204
2.208320142	1.984475786	0.790391135	28.09504483	3.991701419	5.992770924	2.955530002
4.516209014	1.496487193	0.51819456	9.58736881	5.469847044	6.142395816	4.764657263
3.833740003	2.377623214	1.235198288	18.63904385	6.815631711	9.125696745	2.863448742
4.000334445	1.802967396	0.938619804	19.07787094	4.772569733	5.221783494	4.378848255
3.007980076	2.203337754	0.583575022	14.5819788	4.13390468	5.040112531	3.298784421
3.119172504	1.538395012	0.276052461	6.396680338	4.457914954	5.372521916	4.275265954
5.950197227	1.619045379	1.045335237	13.34687151	6.810633273	8.255498753	4.974353701
6.008988155	1.336377976	0.573615133	8.167528713	6.52652709	7.993342662	5.56902019
4.083497713	1.829178292	0.701950121	10.90360883	6.420580443	7.083984258	5.490214635

4.838789393	1.434941893	0.524289967	8.705620972	6.145030565	7.12192407	5.005584991
5.024557811	1.674599703	0.781881884	12.7501808	6.10144709	7.871336982	4.626472018
4.871771588	1.630079362	0.663937748	9.945151015	7.048176112	8.754645266	5.167104054
3.983725121	1.731941073	0.678457591	13.99743729	5.214930539	6.067339856	4.559213733
5.133767172	1.507362039	0.685510891	11.00115832	6.577602156	8.022642705	4.175773374
4.662002816	1.586102389	0.728680874	12.03744352	6.231452482	7.693716174	4.894019236
4.057904293	1.583791112	0.657131996	12.5935134	5.42333881	8.938162695	3.662480954
3.619429222	1.37488738	0.395172528	10.19597012	4.063516555	6.553248524	3.374669685
3.027749403	1.355797321	0.184990774	5.557302166	3.386330058	4.697116238	3.16131938
6.754242516	1.368976096	0.614831328	7.73278223	7.705024184	8.575088411	5.987975881
6.37588293	1.600813581	0.872003874	10.37233915	8.447110465	10.32790264	4.933274812
2.8694622	2.040845089	0.631739979	13.92553597	4.977404222	6.787209388	4.464696136
2.159757971	3.785723179	1.448229627	25.17253218	6.844926755	11.80702269	4.198753003
3.902791176	1.795254638	0.839146285	14.78517704	5.057379887	6.956047456	3.012303858
5.220414177	1.62333588	0.749870976	11.9550964	5.996131467	7.265544015	4.794558171
4.132700933	1.946552586	0.740375414	11.43382311	6.217909005	7.089233003	5.324424651
3.653094679	2.612189845	1.522817008	21.91515422	6.802188511	8.994311623	2.985708944
7.903082713	1.224763533	0.387460851	4.34680305	8.950167867	10.1316771	8.328941073
5.43917992	1.626916297	0.657099162	8.848381219	7.704338834	9.036333352	6.930456521
3.7352165	1.770509347	0.762437628	16.47594342	5.609121807	9.12971362	4.681675878
3.267935657	1.336453406	0.261508608	6.624113526	4.053686254	4.400762796	3.70396306
3.314570146	1.833328584	0.625604203	15.80076706	4.081663257	5.25822575	3.744232942
2.750180113	3.02839368	1.277569916	26.83573556	5.26904507	8.830928185	3.265419439
4.477224676	1.586900806	0.611572003	10.76619192	6.049904883	8.619155067	5.184813278
5.153634552	1.869052428	1.172961125	15.26194232	7.949708556	12.16893384	5.099253606
2.991979916	3.087198918	1.633253578	25.1715364	8.041637299	12.80396371	5.347884761
2.259874577	4.457333547	1.951736791	30.46676719	7.62596925	10.51736018	5.062414364
3.836977822	1.806650804	0.826737061	17.98972457	5.25226846	7.89829486	4.806849343
3.147521235	2.529700433	1.098862865	19.87285788	6.8823819	9.762683032	5.2337629
3.944962246	1.285358955	0.239182191	5.269142073	4.600715868	4.721535616	4.356464837
3.495805929	1.233861562	0.193654779	4.859805668	4.140474317	5.080789859	3.579873034
4.210933235	1.785826701	0.609990516	11.7501581	5.301057559	5.667194417	5.072901822
4.353189817	1.685406072	0.760896931	13.33550162	5.491424644	7.676044563	4.116845379
2.623093857	2.021978213	0.506743236	11.72971825	4.546634315	5.564712829	4.137489292
1.805895232	5.702169594	1.611814443	26.43631847	6.162886278	8.791942137	4.521416518
1.665289146	4.546379605	1.222613049	29.35214099	4.221548846	4.80549916	3.736650408
3.570053469	1.576497336	0.431859131	10.07790294	4.279816774	4.882377523	4.036635915
3.876800161	1.430564481	0.279696826	6.413865797	4.315401613	4.667497079	4.041373059
4.665007844	1.328980667	0.376500632	7.169457652	5.289204595	6.32978247	4.304405964
3.846409772	2.552002951	1.574654614	23.17300893	5.403294746	8.526788738	1.782563648
3.447284539	1.417539958	0.331687914	7.803850888	4.348371754	5.028835175	4.04396805
4.623835798	1.480866583	0.50258473	9.943365361	4.929626592	5.377752056	4.58880003
3.298050815	1.542552115	0.343776575	8.378122058	4.251967811	4.61466552	4.045342384
3.67149041	1.594464814	0.481047796	10.23347502	5.028197129	6.570730902	4.507399815
4.486453667	1.953522907	1.190558492	19.60869526	5.738378152	7.168978787	4.474164192
7.441885048	1.415781229	0.613266808	6.190452698	9.830009893	10.56046783	8.752783862
3.122481499	1.76998549	0.450062473	10.28555924	4.378518314	5.036195841	4.004539376

2.197489485	4.278436103	1.740673712	26.98701944	6.373306263	9.239848991	2.282403975
2.794757346	2.697210831	1.020044451	22.91180139	4.362405441	5.719295482	2.665180504
1.157661229	7.190851225	1.452904043	27.26000328	5.132543537	9.348823769	2.375704663
3.54205079	1.273270312	0.177871308	4.625006773	3.791847273	4.197801285	3.237397329
3.377350218	2.187678971	0.756379288	17.06271114	4.965797365	6.445119378	4.545270942
5.46544325	1.870815903	1.293828539	17.08812084	6.645061483	8.603222744	5.00872155
2.927371452	3.23289909	1.84954736	30.25962886	6.150432365	8.56426638	4.224604831
3.884938847	1.489046375	0.369450992	8.087055225	4.644520015	5.016927465	4.441479765
3.655517124	1.516837247	0.348627344	7.777965247	4.519228438	5.007546643	4.203320342
3.870395624	1.422121533	0.377984553	8.464823736	4.509553584	5.744248426	4.285921516
4.327950386	1.752386801	0.721459408	11.16901762	5.959476973	8.020102133	3.741251591
4.141491137	1.511927396	0.398756999	8.222332129	4.867954813	5.437763282	4.634113897
4.305838575	2.047991053	0.943057622	15.10374382	6.265819638	7.658763808	5.224732534
3.848648124	1.882546265	0.959156185	18.80057997	4.802604906	7.144530726	3.560721904
4.776078118	1.075481114	0.072168693	1.47523518	4.91229007	5.174970771	4.668200363
4.377202711	1.797760804	0.782456218	11.98078902	6.478392617	8.134005518	4.592232659
5.087747366	1.328396604	0.347343377	6.15494866	5.71727115	6.733545984	4.563722107
2.82147653	1.476214901	0.341157647	10.42325639	3.535583856	3.866573066	3.317764342
3.623764354	2.008231125	0.842993637	20.22757286	4.617398613	5.977692916	4.339818834
5.380053654	1.487769052	0.720188019	10.56058864	6.980134633	7.976566817	6.047135243
5.880106167	1.454794115	0.678281573	9.720507464	6.965250425	8.08418085	5.106118515
7.725956747	1.161765501	0.307649227	3.651552631	8.346769404	9.288108777	7.480919898
3.381474689	1.512161243	0.384626252	10.0918109	4.516231645	5.18736293	4.050558746
6.959415242	1.373944907	0.579387947	6.716610974	8.348298189	9.688923926	6.140090706
4.240633788	2.0588619	0.970509494	13.515139	7.595825991	9.75010092	6.037465911
3.765454796	1.225138981	0.265380689	6.604090312	4.375797144	6.948997898	4.062018004
2.676192613	2.675919058	0.757920838	17.18595441	4.483060096	4.681449644	4.358353092
5.391955712	1.158973627	0.213858725	3.715390381	5.846120637	6.230430815	5.53604661
8.030008245	1.224683831	0.467445588	5.406810041	8.474050277	9.249220566	7.535406703
3.195144118	2.874111301	1.273551117	23.57587278	5.356256441	10.19218277	4.490118383
8.157518959	1.127880775	0.275320516	3.206160696	8.341407958	8.888646067	7.724551504
3.078457234	3.142793687	1.687775548	22.65565809	8.080721288	11.04678507	4.530988503
5.697291273	1.263349054	0.342969647	5.263513489	6.623674614	7.60081994	4.876708373
5.92564235	1.511922188	0.533436658	6.88310587	7.970833939	8.902081418	7.25167232
7.810658853	1.313897707	0.505004485	5.326492523	9.528969713	10.78201187	6.511887308
2.850475131	1.80586102	0.473593651	12.17593403	4.204928239	6.10632699	4.041261856
6.33134781	1.196446689	0.297463696	4.336053434	6.866275797	7.721171308	5.344881838
5.128953887	1.69483677	0.674014935	8.693895661	7.755348432	8.734642202	6.574177999
6.248305991	1.260952772	0.41296402	5.768548518	7.295874273	8.236947743	6.560609126
6.836007527	1.248638538	0.42981431	5.577187463	7.72470196	8.820570682	6.220127803
6.436543703	1.219460557	0.381018382	5.462233222	6.914845789	7.830509886	6.149060189
2.722269462	2.801762674	1.328494592	30.41028954	5.78480544	9.319081384	4.251407502
4.94189269	1.508858142	0.598967249	9.520320191	6.550263476	8.361685212	4.793549429
3.16940955	2.141354396	1.120201537	22.98129952	5.618298355	8.004554445	4.699286626
5.691928261	1.411468232	0.555802413	8.0449539	6.717691363	8.012724327	5.262234174
4.844856378	1.481900603	0.600585792	10.04778583	6.421702431	7.891465158	4.952538035
5.342670352	1.368108948	0.392931945	6.222990365	6.186665307	7.165474573	5.701473642

4.069806684	1.475430376	0.340779805	6.576585725	5.055929891	5.939476395	4.700027829
4.388384613	1.550297879	0.58556559	11.78773197	4.851868755	5.818282113	4.013265385
3.601199609	1.412262866	0.258561219	6.120459762	4.386925251	5.136938042	4.14146671
6.423013763	1.468924093	0.84395047	10.27252395	7.756380938	9.244228819	5.252780575
4.202391309	2.548567241	1.295019867	15.04525766	9.142199649	11.47590736	7.006771191
6.530550337	1.42341662	0.871550671	11.29434315	7.882126742	9.333261415	6.348545424
4.201085767	1.186706159	0.153305137	3.314290688	4.640493232	5.315925397	4.444519768
3.753065518	1.832226522	0.728797601	15.24256735	5.294277666	6.199902208	4.87228667
4.072408226	1.369472181	0.408714428	8.348871223	4.917043135	5.911028328	4.283604767
3.753598505	1.782178635	0.854086826	18.23429747	5.484156099	8.483963246	4.885391198
6.257459752	1.309805113	0.446153436	6.12662705	7.277106097	9.127441483	5.392583307
3.333194128	1.494081146	0.309097001	7.799189441	4.089178258	4.430722483	3.794024266
4.453995775	1.39611275	0.417471225	7.612975932	5.675554741	6.591089199	4.829918305
5.130563655	1.490407801	0.584588821	9.387778448	6.255502939	7.806698978	4.230523722
2.859977702	3.812697796	1.842489079	36.27104904	4.809600055	8.903070274	3.62240487
4.239088165	2.11688857	1.100961386	15.00992186	7.801205043	9.507285803	5.850010786
1.851230899	6.333343403	1.668484627	23.74293606	7.362807759	10.15134635	5.452658079
3.652019706	2.4284511	1.231759344	21.46053011	6.364710062	8.362778959	5.594661267
3.873318577	1.241730671	0.20803713	4.908541381	4.171099567	4.607026656	3.807309468
4.244460012	1.343282139	0.298058535	5.738786728	5.331478976	6.398447491	4.996707423
3.444527245	1.376606391	0.267699594	6.530454951	4.110630743	4.846013948	3.475859099
3.790891207	1.532057876	0.388299847	8.388933312	4.678833427	5.638727505	4.254070738
5.460893747	1.472077733	0.512926294	7.431407433	6.47952047	7.080153596	4.988262842
3.016423559	2.554894371	1.150163197	25.0331103	5.291398115	8.856535903	4.249710812
6.509697914	1.18359052	0.300168411	4.238799413	6.978794909	7.77452336	6.204401728
4.351656872	2.361091972	1.475354124	18.3873825	7.053301401	10.35921896	4.847379314
6.580180718	1.199702177	0.341173815	4.761508428	7.262207516	9.209522809	6.509124175
3.92888637	1.656682019	0.538537349	11.10256777	5.11771901	5.795490844	4.739616115
7.448465813	1.491552304	0.833146314	8.896695421	9.037461911	10.16936326	7.264513783
5.699506832	1.586979964	0.763669134	10.80012969	6.621569271	7.877031739	4.806085128
7.038529876	1.331297914	0.623661054	7.689922782	8.106936662	9.684373535	5.621094099
6.069757438	1.346939624	0.475667136	6.575756679	6.940902968	7.603574573	6.177104299
5.429069694	1.25103693	0.300504395	4.840740236	5.90960374	8.18253395	4.283305599
6.714329766	1.404599952	0.611856449	7.452276778	8.324790933	9.607302324	7.161329554
1.511014118	6.869968533	1.999240722	43.16598266	5.480935164	12.06882264	4.869023768
3.021714235	2.397171584	0.786063205	18.64376266	4.390646239	6.449970221	4.08059747
3.308418806	3.007322926	1.409639931	28.83160353	5.515428753	9.830643864	4.806412918
3.106915528	2.065699899	0.877056517	18.36452958	5.099517464	7.131433573	4.159472651
3.113042496	2.709568003	1.305556351	26.38060208	6.183876557	12.00047259	4.873018151
2.996491658	2.55717234	1.352610273	26.86385875	6.352025236	11.15131187	4.858942244
2.861928953	2.085486731	0.644541761	13.03648414	5.299357919	10.67248393	4.809128588
3.205400941	1.901293433	0.890725804	22.09859348	5.167373753	9.542177242	4.26746401
2.68750303	2.131596876	0.60750614	12.85007094	5.13673966	7.239287567	4.810578748
4.303682314	1.384164118	0.515155405	10.68817818	5.20373213	6.977603611	4.242836256
4.185900324	1.395391188	0.285234657	5.788892957	5.084227644	6.774934424	4.721254069
3.861089678	1.174000898	0.133726498	3.295381055	4.199911695	7.428019081	3.996347422
2.729872373	2.09321747	0.657876079	13.87628105	5.089312236	6.356489177	4.777884903

3.239982758	2.312658157	0.976861607	18.56147391	6.220171558	10.67662187	4.351639119
6.495323744	1.23246123	0.334435272	4.447082798	7.32487157	8.539541576	6.752852756
2.877551194	3.139849624	1.346417027	19.72822031	7.951840389	10.6043001	5.116506058
1.652331272	3.284331783	0.877004371	19.60603611	5.053314867	10.74682773	4.38406483
3.141396371	1.883323866	0.513916006	11.54079533	4.780557386	12.76157017	4.221292821
2.651414592	3.274550324	1.269836305	25.14564281	5.121288588	7.994609122	4.52698605
4.813140687	2.686567581	2.076873495	29.80323852	6.395055051	12.44841723	4.998309689
3.522441577	1.198022319	0.14516979	3.799589328	3.945864081	5.590215338	3.680388669
3.211681677	1.592098165	0.310373287	7.568109348	4.536575594	6.08528594	4.212370567
3.07655056	2.058253207	0.98103345	22.74815739	5.471631134	8.019912288	4.801596665
4.285993046	1.20143833	0.173922288	3.664298409	4.825372363	5.66093399	4.611461204
4.200393768	1.228856299	0.25473592	5.705089865	4.813430917	6.82008417	4.469168892
3.794113136	1.651039223	0.443501524	9.45748373	5.216949288	7.465545603	4.872335244
3.056959967	2.909019541	0.995077236	23.30973122	4.483305556	4.813828704	3.571256798
5.890333459	1.468662053	0.678266196	9.538662714	6.801475644	7.707895166	6.04519212
3.644606234	2.369875095	1.378074825	22.69734532	5.715757786	7.959737229	3.377696491
5.974233894	1.413513283	0.508070945	6.523245038	7.650824793	8.873087321	5.879405674
3.509003193	1.671829618	0.509911603	10.97814075	4.999668763	8.445498908	4.487397043
3.673576801	2.443672846	0.98628325	21.98846412	5.474966118	12.20960243	4.829221616
4.873124615	2.339565866	1.938322873	24.95134112	7.133477224	11.55786857	4.525973689
5.269183444	1.330401145	0.454653273	7.731765917	5.845751874	6.433449241	5.329487551
3.143464088	2.585479561	1.358496299	25.72501447	5.137280414	7.186650331	4.08181903
4.711953798	1.3817485	0.422884676	7.881406919	5.225695593	8.393477486	4.58642347
4.30504504	1.937455375	0.880973501	14.98105382	6.457653256	8.904347872	5.196625793
3.97191499	2.062207441	0.998929821	14.84337449	6.922570663	9.4322322	4.847050132
6.523226726	1.255685596	0.419626671	5.652589297	7.509503569	8.942701928	6.274321743
3.43462196	1.851054795	0.745489372	15.38366092	5.730803391	9.230516448	4.736777006
3.606174337	1.79306787	0.737753528	14.35754516	5.955386983	9.227516549	5.049039381
3.459880087	2.001111151	0.80391415	14.19844042	6.268539002	7.411932987	5.376496114
6.281818683	1.57763094	0.846759615	10.01943238	8.573877735	10.69583697	6.701633111
2.532120671	2.512712481	1.070158154	24.49495818	5.667181036	10.30311019	3.463920534
3.641739021	1.876355158	1.026209981	22.33843446	5.635935672	7.29524189	5.062172264
6.073776546	1.610601074	1.05487068	13.6106725	8.213434253	10.1899441	5.806472467
4.245808818	1.456307944	0.419478253	8.281961415	5.657628321	11.78850806	4.659106188
3.807392298	1.428429002	0.355769654	7.497979465	5.047355813	6.662002115	4.501743066
7.668575819	1.500972821	0.73686038	7.057944455	10.32299736	11.11700355	8.6695222
2.575055719	3.638450491	1.393765646	20.92193614	7.046409966	9.752447992	4.919771752
5.936928663	1.524024988	0.806247431	10.23792719	8.103486513	9.365909703	6.31184375
2.800968213	2.118669783	0.74490605	18.10784336	4.787699324	5.583180916	4.561538387
3.061706313	2.229620789	1.020344684	21.75842941	5.308270028	7.844054188	4.187711793
6.661351993	1.450207779	0.760729123	9.068786435	7.693420315	8.943244479	6.303072827
5.731877419	1.224486791	0.302949281	4.715904154	6.411353675	7.23809525	6.004987953
2.494331857	2.22373357	0.929344339	24.56010867	4.461106721	6.616151921	3.680606005
5.476726142	1.784243537	0.999180812	14.4262942	7.590440195	10.0926986	5.683769438
3.470407356	1.395049818	0.3624618	9.480586067	3.8920994	4.513655769	3.740717234
6.140994211	1.313689984	0.485625041	6.836806924	6.851050943	8.25266456	5.35153753
5.844350548	1.229126187	0.304224771	4.642626095	6.708059351	7.661316983	5.829848114

5.172856467	1.461146787	0.523304041	7.855789835	6.722519081	7.505118581	5.922723111
5.76857383	1.85634974	1.086199669	12.1496874	8.005507061	10.14595831	5.183952322
3.776899953	2.879336425	1.64451043	22.95183224	6.402255356	9.926735115	3.150997704
2.788167041	3.236521189	1.099077826	23.06907476	4.804928691	5.375607111	4.517821784
6.406875714	1.426356309	0.855830673	11.08978832	7.062390036	8.219245358	5.455157901
4.107842017	2.22941178	1.030998117	19.6470235	5.489595823	7.574456233	4.852128394
1.841409276	2.361025986	0.441802744	12.06040222	3.781461061	4.271327126	3.296977101
2.37413691	3.683323576	1.728945844	34.6996244	5.979198658	8.46866645	4.472389321
2.881596402	1.436659001	0.239940293	6.976505072	3.818792069	4.227713221	3.442772938
2.40461369	3.266331609	1.273245901	23.29625172	5.906048064	8.542378918	5.018959654
3.384174194	1.925561825	0.558607946	11.54424477	4.998486508	5.624004958	4.732051635
2.617665022	3.679983094	1.666040141	28.95472956	5.333570552	8.402113573	2.995774397
3.406947183	1.690572625	0.420929628	10.42135481	4.114156385	4.392080332	3.893121232
4.574137875	1.27029372	0.272514136	5.107039662	5.48456018	6.565656679	4.989639193
5.526191083	1.746661535	0.785503079	9.059483345	8.631976131	10.06091885	6.729376127
3.682343365	2.102350481	0.898659043	14.21762887	6.400780254	8.128970945	4.73855371
3.355900208	2.326884488	1.040391489	21.87957976	5.321926192	6.789625251	4.107860551
6.61903684	1.307281138	0.558291546	7.356502344	7.62896897	9.016734339	5.774800276
4.220297136	1.660946472	0.659396912	11.28862449	5.910751565	7.520182985	3.659824143
5.526696695	1.169437613	0.265588637	4.441555807	5.805169396	6.508107811	5.103562902
6.304337272	1.726321654	1.197220242	13.92768236	8.514018721	11.18938025	4.928062977
7.644970534	1.378041029	0.778790217	8.671748986	8.603004908	10.07217777	6.689423429
4.109490689	1.598325314	0.594079848	11.09526204	5.484615813	6.96015146	4.331272912
2.83104235	2.592844314	1.035569731	22.64086081	5.101298447	8.237065333	4.380335031
5.218353221	1.423625685	0.594933813	9.417020594	6.265484668	7.543850578	4.160121551
4.184016209	1.266731866	0.306241991	6.528688897	4.9219031	5.720369976	4.629422342
1.014245925	7.22012845	1.806092641	45.4741874	5.207239312	8.850445167	3.715019378
4.058390159	2.085218579	1.277971829	21.57834433	5.930689768	9.823214953	4.685128418
6.46645344	1.335978963	0.552618625	7.168876588	7.014960549	7.846414854	5.391375733
3.348298636	2.360471609	0.837726443	18.20359587	4.75002255	6.069205054	4.223503522
4.006373554	2.359858681	1.275253312	22.00360128	6.887507605	13.08473085	5.217848012
3.764404392	1.678797075	0.463053867	9.588027138	4.908478504	5.841148758	4.532020725
3.66682462	1.308046059	0.191940247	4.654176388	4.204241722	4.517607121	4.026408323
8.002766797	1.271255324	0.594526245	6.403062689	9.756221253	10.91041959	8.254975277
6.192193515	1.694621146	1.304435468	15.82351783	7.437043108	9.584181178	5.615225451
5.1979685	1.722270547	0.961059335	14.02707253	7.078607391	9.954535197	4.726086565
5.812704338	1.295764801	0.458964382	6.768218542	6.807070779	8.658132877	4.031970331
5.402973069	1.421212778	0.661830044	10.10099311	6.318200743	8.839718804	3.853925139
2.45299635	2.345398947	1.064769126	30.20368622	4.523417792	7.637555549	3.74385064
2.391817758	3.08767906	1.160727399	26.69043173	4.62890709	6.422343358	3.679422294
3.936901753	1.184252536	0.145546381	3.375650207	4.421026078	5.083158663	4.208477734
8.149395476	1.308742148	0.599188294	6.420306555	8.916991015	10.3838265	7.598504689
6.577100103	1.226502916	0.325436522	4.392201079	7.184968994	9.761911632	4.01660965
3.941886333	1.991080078	0.887237211	16.77766998	5.196634329	7.678487327	3.963992551
3.837520071	2.397919626	1.472798713	22.88195896	7.464886672	10.06517609	5.336750046
3.831530493	1.225703549	0.215306236	5.332159292	4.090488411	7.732367111	3.836060406
3.055185987	1.326560582	0.212264099	5.908905025	3.656842836	4.224930928	3.062238587

3.301031978	1.717865218	0.443543117	10.18616324	4.345854428	4.929525305	3.722737106
5.321004479	1.363123689	0.419578805	6.436882112	6.257045057	7.356388985	4.78672904
6.569128043	1.306422535	0.417315005	5.557803888	7.444182511	9.473728597	5.8617192
5.619754344	1.300881748	0.45305818	6.931310556	6.187832276	7.233942656	4.782484201
5.654573489	1.339349319	0.493292549	7.484046849	6.290236903	7.477179887	5.345026116
7.638675697	1.232355946	0.393313937	4.662604819	8.10961076	8.898204979	6.358043715
2.668395427	1.747453463	0.382977332	11.12900138	3.562805597	5.148630734	3.040417252
3.318698325	1.674640816	0.766376857	17.57938244	4.772507252	7.262937026	4.15199858
5.343259167	1.243783187	0.291318125	4.749170675	6.257242052	7.171974461	5.693106812
3.862179556	1.190700828	0.158748441	3.707151087	4.49452432	9.585215032	3.769351331
3.029843673	3.47846758	1.87281223	38.45758453	4.688258017	8.781333678	3.909469575
2.921087261	3.222235674	1.895120013	35.65121135	6.268970187	12.67486238	3.928533338
4.019192828	2.115879011	1.222420367	22.9478975	6.156266056	9.379288276	4.066507612
5.8339548	1.494137174	0.824896879	11.48870173	6.782245062	8.082026372	5.284001205
5.037889995	1.247207704	0.365475106	6.521858064	5.617558798	6.565686083	4.936945809
3.170871118	1.620052554	0.386834595	8.5803759	4.618482923	5.650679862	3.889391797
2.918211359	2.978590954	1.445267391	22.40782949	6.947434172	9.202476378	4.675079941
4.174856752	1.680388736	0.797061794	14.13683062	5.453815659	6.721260676	3.846702368
5.096261809	1.41746321	0.50290827	8.735621272	5.741016594	6.839636335	4.820631956
3.624185992	1.70924378	0.460412556	10.55967374	4.37195822	4.749070855	4.240833136
3.348134011	1.295986589	0.223989834	6.26838645	3.592853376	4.443543914	3.211792084
4.201741226	1.088920581	0.088982563	2.039316692	4.408690563	5.38825437	4.287595632
5.46244279	1.459032904	0.603635467	8.755876827	7.114940517	8.394313111	6.178690815
6.386829235	1.787938871	1.325960966	14.46287894	7.931845574	10.07322552	5.427507701
7.279168384	1.602804089	1.012927859	11.05300188	8.415333539	10.39062383	6.674801408
7.577558121	1.238356569	0.435165112	5.182184422	8.689734165	11.13342673	7.510381055
4.34122914	2.440425549	1.901009182	27.92703603	6.07779583	11.78622176	3.398669489
2.674654533	3.618659907	1.530230369	21.15118765	7.810617303	9.212251579	6.389184444
4.161328495	2.245345813	1.096301935	14.67235255	8.082468413	10.66517113	6.014932552
3.822998076	1.975789583	0.935851456	14.65008272	6.441427317	8.894906686	4.609009891
5.467474926	1.668520937	0.703309241	8.583497447	8.60685725	10.81679389	6.003330281
3.699033406	1.246963684	0.151293767	3.75232244	4.075014039	4.433839897	3.77824949
3.719089293	1.443146763	0.302108142	7.312032073	4.16417695	5.398429641	3.826928214
4.394763097	1.318690512	0.294016806	5.909434163	5.047195247	6.433671642	4.457656756
6.457994016	1.221324875	0.364209623	5.073760569	6.731541033	7.357989191	4.829588065
3.128009711	2.450982793	0.759410493	14.15319775	5.031102461	6.57386985	4.113515601
3.849845872	1.69043044	0.666054399	13.62422329	4.874952764	6.146037659	4.21392917
5.316991136	1.39055396	0.587097667	9.475957911	6.077157022	7.69331112	5.522978766
6.57224361	1.283751945	0.468063619	6.350571645	7.279479595	8.18839796	5.780898338
6.677740695	1.654707916	1.071694027	12.15781645	8.156193582	11.05148333	3.882036277
6.622834668	1.649800803	0.794007908	8.20526958	9.858880257	11.21314147	8.27369445
7.189740933	1.489365238	0.927233616	10.38016272	8.195869246	9.31991924	6.334395627
6.221006307	1.568932658	0.851945605	10.38375223	7.901923861	10.53344684	3.511271968
6.808173159	1.299760382	0.579203861	7.331732655	7.603003279	9.235474338	5.126258175
6.366870044	1.284652169	0.464912616	6.519986362	7.275515345	9.565739277	5.321561746
5.367346968	2.08155549	1.331683142	16.14521529	7.810260019	10.15979982	4.341104132
6.869311477	1.241751861	0.415930621	5.32091699	7.667116316	8.479178618	6.92922482

3.556391173	1.622229146	0.389435533	8.989921142	4.464821522	5.171248034	4.230923691
6.143448295	1.392502973	0.662324917	8.752113052	7.525336151	8.979205435	4.560211526
7.296606452	1.239318648	0.397401781	4.886278853	8.021903573	8.473889654	7.432313348
6.091354779	1.243216345	0.332773884	5.024225317	6.770820979	7.296378913	5.691554272
4.896927895	1.430797495	0.399627865	6.355808731	6.233043522	6.753075282	5.312813274
2.31170817	2.889288005	1.193925988	25.55725586	5.924180011	8.678165781	5.068346598
3.123359617	1.99351831	0.902917322	19.97141794	5.552715577	8.928704147	4.513608767
3.132305594	2.048887482	0.598720211	12.87137212	5.201634106	12.34497894	4.668825486
3.069396359	2.135995246	0.643179259	14.04589326	4.724019299	5.102224108	4.45948551
3.425280762	1.376175783	0.24154275	6.265283284	3.841495094	4.17995577	3.53257577
3.672274208	1.434988762	0.306830199	6.895232702	4.5546205	4.995537727	4.354070241
2.384787457	2.289656119	0.595639475	13.85373865	4.451642996	6.753965177	3.692463598
4.887102347	1.331557688	0.424262455	7.708929545	5.705274096	6.872785249	5.014023309
3.843571881	2.068568231	0.904879473	16.65916986	5.560607371	7.174140036	4.289843417
7.544527518	1.370953966	0.741971381	8.417366236	8.991021685	10.20965726	7.336681372
6.119296798	1.209707777	0.368214504	5.482655911	6.707679071	7.540060011	6.037623056
3.214410128	1.713329403	0.550975609	13.22306085	4.21834221	7.678310147	3.664014798
3.559953807	2.461793849	0.931975238	17.50677377	5.270379645	6.519144148	4.763560509
2.402413125	3.113913805	1.076865675	26.68280229	4.205520009	7.483847246	3.661199712
3.505642549	3.161637743	1.707376483	24.03333927	7.647258715	10.54877258	5.584136271
3.004620034	3.494043284	1.950707363	24.36656659	8.922793936	12.31631466	6.503388333
4.046966328	1.687094967	0.543944642	12.21133827	4.526790808	4.828176364	4.229044785
2.301237544	4.358297549	1.824532469	24.0026363	8.323417513	11.214229	5.711992479
4.839357344	2.348158578	1.405867174	16.01210105	8.713901031	11.75125432	6.55447913
4.966616662	2.218267043	1.402729503	16.68840544	8.33213705	11.36377439	4.34563438
4.171747957	1.961570248	1.154341674	18.97690198	5.601839597	7.787435582	4.168831376
4.816986797	1.644596449	0.600836151	10.01036827	5.491578643	6.975767498	3.703297347
3.376595631	1.754912092	0.599246787	15.1878963	4.188164146	4.644143116	3.893182147
5.306595962	1.467269322	0.584594087	9.849714211	6.112148175	6.987765212	5.367258072
2.036613249	4.284920765	1.509101129	25.91493177	6.576599165	9.181524815	3.761444269
2.468403607	4.591883197	2.052925121	24.86605463	9.152373645	13.02102104	5.039063924
3.339059557	1.879475842	0.930324497	21.95758696	5.565478284	6.283172991	4.852230874
4.206730042	1.877344222	1.068425458	17.63662016	5.978028691	8.518097728	4.330868307
3.280169559	1.558360277	0.349921562	8.640156496	4.001524755	4.481109929	3.624568243
2.984579743	2.059012945	0.667535035	12.99658167	5.366835168	6.207623539	4.66293923
3.091285247	4.671219723	3.399275285	49.06144014	5.705106778	11.24365823	1.586985469
0.560794584	16.33675289	2.428181585	71.14823169	4.394220242	8.636979297	3.952828428
4.686013074	1.533501229	0.632986396	12.22922554	5.186889649	5.860028783	4.75137743
3.643708279	2.459881275	1.274207607	20.66960066	5.771839962	7.520307086	4.918262392
5.983388966	1.64290111	1.113171161	14.20219783	7.947579882	9.818282514	4.920627953
4.995156707	1.744309944	1.139681203	16.66524528	7.175232274	9.327528134	5.235722109
2.027794826	3.265928984	1.046447172	27.86437663	4.710974483	5.98740393	4.2543342
1.856296137	5.849606964	2.840430147	53.143463	5.710074121	10.69112447	4.418773029
5.753642091	1.261958145	0.312242562	4.555244098	6.900069381	7.463246034	5.810684026
7.577490164	1.119689723	0.20458938	2.543884	7.931909985	8.971559145	6.586593562
5.321194004	1.841905368	1.115111408	14.59546163	8.058250216	9.798390015	6.30647913
4.753294752	1.625403425	0.686742057	11.26563567	6.238640122	7.275339762	4.859002632

3.478388451	2.397856587	1.225273139	22.09425923	6.754353503	8.998256309	5.114652592
4.00770804	1.69233061	0.837633674	16.33907349	5.452689716	7.359025146	4.062594325
8.653565285	1.234094932	0.466677083	4.793372525	9.424462912	10.35049835	8.253980673
7.554445306	1.191386139	0.306281186	3.708350691	8.250751671	9.262181374	7.445427156
9.6293233	1.142266921	0.370417031	3.646871557	10.21671432	11.50740938	8.825401699
9.193235955	1.171372781	0.380544438	3.7288523	10.16509	11.25246687	9.224056408
3.77473113	3.025547236	1.961770151	23.45952305	8.189018165	11.78929549	4.583622389
9.360231383	1.190636766	0.453642727	4.41750825	10.37368842	11.27273549	9.176230109
7.50120466	1.355865644	0.714174993	8.095256467	8.722070273	10.26373604	6.751745114
9.404065343	1.22053277	0.500287055	4.69372093	10.58632139	11.86276503	9.252484523
7.357890041	1.526634913	0.775080912	7.642219474	10.22228439	11.60221443	8.342140686
4.743238899	1.457457275	0.411768039	7.318387173	5.711436351	6.862604141	4.794972191
5.657070318	1.448531972	0.505930033	7.533462551	6.474712606	7.343077933	5.417701586
1.517488698	4.74197008	1.030820009	25.48790771	5.029184235	7.95798484	4.260290741
3.119976724	1.237619322	0.136580281	3.839424763	3.61148676	4.083205441	3.407718184
3.962265019	1.510363971	0.407477412	9.151769864	4.387549249	5.661274175	4.054540621
3.358500146	2.316764692	1.112436994	25.67294162	4.829674431	7.060742742	4.303612029
3.081717299	1.405407145	0.206232984	5.427136336	3.856245645	4.24400375	3.471372212
3.187960449	2.097859515	0.839762936	21.68137038	3.667500405	7.462305142	2.592270473
5.905248065	1.350962005	0.527735044	7.512841257	6.526956507	7.742817584	5.232904391
5.77825986	2.061945318	1.530618988	15.97504674	8.105344859	10.07134963	5.402647378
3.135705616	2.553008845	1.041153864	19.14154739	5.431426351	8.692830868	4.057794356
3.654428124	1.298935971	0.22218695	5.214002436	4.345915604	4.774030859	4.099812365
3.599537466	1.279487856	0.181188737	4.473265689	4.125663183	5.913327696	3.732945136
4.62563191	1.774652848	0.720884587	11.62915734	6.338486957	7.858190904	5.021896706
3.083668101	2.405274712	1.125509965	25.65230294	4.834615314	7.083919129	4.14400391
4.692924345	1.291178752	0.302767869	5.798007898	5.279142065	6.310011098	4.741368057
2.481317619	3.035271324	0.876528543	21.29122088	4.160282495	8.135412479	3.680376701
2.192163269	4.393061632	1.93127626	32.99619613	5.296825665	8.740902673	3.702834757
4.177691851	2.705829303	1.935939278	25.59798143	6.872889923	11.60924272	3.393173832
5.559132829	1.586492795	0.573397556	8.278715882	6.885419834	7.818054589	5.093797605
5.780891161	1.36462302	0.44446838	6.41153495	6.666536504	7.577700101	5.026366373
5.924100186	1.223022032	0.309268664	4.83636537	6.087484697	7.504431953	4.601127812
6.000091001	1.182722838	0.304917022	4.695059699	6.150837355	6.739627564	4.728193231
6.463128346	1.504607177	0.800320768	9.64595869	7.73311014	8.971873949	6.022653545
4.484054775	1.608857978	0.705478107	12.22179438	5.784090767	6.466190553	4.877698242
3.381442807	1.616012254	0.348639182	8.870120488	4.182279557	10.90917747	3.593702673
3.142776524	1.966369864	0.53336171	11.75412271	4.579202164	6.859626728	3.848067709
5.537907786	1.910622383	1.506420139	18.05528889	8.223264685	11.3069081	4.28025372
4.03472637	2.300374811	1.184601984	15.31781682	7.756568061	9.14273692	5.066787075
5.233313228	1.328971584	0.360543448	5.593943952	6.365957888	6.998493519	4.347774682
4.126722966	1.558567473	0.529893888	10.5506691	5.4042934	8.022610119	4.555133662
2.572328595	1.617336242	0.32533949	9.083684333	3.719906116	4.196246666	3.342147026
3.07508975	2.33116976	0.904586068	21.62418308	4.241669975	5.532558563	3.643353682
3.725696859	1.2805023	0.191434478	4.524096666	4.280170066	4.862687804	3.964672924
7.276090579	1.390431629	0.659078895	7.761626907	7.974880683	9.580869957	5.416883347
4.879752499	2.571168477	1.988199159	23.23130054	9.144279038	11.97696733	5.65570788

2.339836322	1.740910069	0.3566736	10.5668378	3.542329933	4.16665279	3.115098234
3.187992535	1.51538281	0.359247191	8.644980515	4.216460394	4.77508362	3.778285427
3.63293457	1.465661905	0.312861922	6.975572053	4.596769493	5.315215152	4.283648314
3.738630351	1.454038158	0.305675403	6.546289954	4.755642314	5.636387437	4.599126486
3.087928946	1.350723836	0.288408918	7.614057642	3.953403477	4.345017158	3.683117698
3.827703287	1.28289787	0.200966419	4.564014282	4.536676976	5.555786962	4.209719357
4.449045004	1.530431779	0.560360773	11.39657383	4.999864383	6.311753846	4.71861626
5.914272265	1.626429893	0.95642271	11.70840348	7.935433989	11.31036255	5.005862994
4.804139241	1.572106139	0.672509973	10.29356572	6.037919725	7.873656457	3.692487717
5.718050232	1.430509259	0.536517114	7.50127074	7.546570849	8.855085307	6.605546898
3.931875021	2.174529856	1.282688574	22.10347591	7.092788769	10.04713669	5.531837784
3.307506479	2.335077842	0.797573731	17.37608971	4.856390923	6.007269389	4.572172422
2.508412257	3.401445374	1.55543423	32.05953513	6.030689359	11.07328362	4.46024821
4.226746911	1.310111834	0.233981691	4.937306324	5.12266554	6.446929408	4.800381105
3.432702591	1.806499774	0.600291346	12.0838525	5.473024356	6.964879503	5.05838751
5.937677049	1.352219894	0.518479082	7.233645063	7.513673985	10.32790023	5.26345677
6.441997775	1.17313673	0.29739819	4.255016867	6.84776574	7.767632442	5.852887915
6.676071665	1.128315285	0.219324056	3.059633868	6.976300586	7.951970986	5.167171088
5.938716951	1.362092449	0.46461177	6.677333758	7.220655764	8.466029804	5.197495213
6.524145199	1.321057504	0.485196542	6.403779604	7.481751464	8.368577313	5.957250244
7.336069801	1.332382593	0.484767928	5.329888557	9.120140802	9.980537401	6.475320342
1.502030358	6.338339806	2.252987593	41.70157008	7.006487199	10.50204087	5.220698106
4.189449741	1.487136549	0.488919772	10.72109485	4.516318456	5.050492313	4.293948149
2.053579289	4.08733441	1.266495869	26.23899298	5.130840217	7.761298758	4.447261627
8.509490284	1.267077865	0.532558191	5.451007028	9.267511052	10.66149059	7.622264111
6.11029165	1.864783601	1.376088991	17.35263452	7.936694069	10.66721978	5.35945682
6.104108677	1.326386554	0.417507651	5.645173212	7.644237822	8.150133786	6.911120778
1.301810482	7.120472867	1.896439094	32.38840664	6.170590078	8.813324602	4.216065312
1.15766017	7.38625757	1.979317545	51.33313906	6.246511108	11.85357442	3.964209603
3.594597624	1.892608133	0.657730193	10.98783138	5.799182286	6.799940332	4.887186127
4.137770806	1.531984364	0.487806227	8.618280704	5.765617736	7.559539415	4.510542186
6.020093568	1.303591092	0.501766761	7.150276455	6.845905561	8.147226833	5.421139298
4.045154855	1.888348731	0.685380837	13.61458557	5.090700247	6.72471326	4.506365792
3.306864169	2.460243954	0.910818259	13.22104777	6.916059067	8.130750011	5.38464521
7.515342407	1.208504917	0.363815894	4.496661931	7.853727929	8.603120375	5.941244632
7.769780971	1.219138935	0.42063602	4.893991045	8.0527442	9.1906831	6.863695017
2.142979557	3.514073803	0.965582385	16.93018121	5.607450998	6.599276815	4.651396197
2.556101182	5.013268096	2.147902617	23.74228991	9.096546133	13.34307231	5.077837715
3.614153739	2.112828218	0.848463174	15.55313384	4.972615759	6.766317811	2.993886747
5.917995461	1.497455618	0.509575884	6.362186604	7.848915299	8.757244636	6.479636983
3.70522493	1.749921153	0.649855762	15.3901068	4.064503359	9.052229182	3.685307107
4.674777118	1.385503907	0.396587036	7.189954034	5.591252576	7.353458283	4.872027612
6.607594136	1.410286475	0.562654282	6.957112631	7.834819283	9.932376504	6.193297487
3.039690105	1.81768323	0.486824012	12.13747098	4.07085232	6.131876536	3.6392678
2.047206249	3.565908219	1.139327944	24.25942154	5.398970494	8.315658825	4.106346951
3.442758682	1.69754967	0.360832988	7.579848435	4.923198066	5.853614318	4.727139028
3.114648486	3.685220053	1.832072148	32.49495816	5.963725475	10.24100171	4.714951592

2.530732353	2.530752809	0.743773207	15.3456172	5.143565399	6.508215292	3.968558117
6.390368584	1.633189198	0.948396156	11.12415831	8.941701064	11.46935869	6.467303504
2.655948543	3.90763505	2.009334983	31.89499012	7.563829117	10.17185429	4.461868392
2.850737809	2.637113121	1.180464456	24.59364326	5.617554331	9.448037123	4.23237585
4.771944407	2.08264993	1.15153686	14.27982985	7.659303187	8.958205821	4.56440344
3.632960884	2.638084267	1.245012897	16.75206205	7.741474016	11.3096556	4.723872087
5.766720989	1.29497439	0.383939757	5.761880765	7.031805411	8.272574976	6.059835782
5.774184606	1.408560849	0.609714558	8.694883275	6.642250109	7.886246647	4.69864492
4.202324404	1.608711507	0.726196662	12.8983795	5.600841282	8.348799681	3.974911103
6.486113692	1.427402609	0.804413894	10.24443157	7.179562694	8.654727593	5.269889412
4.274002503	1.892018055	0.809488698	12.19656779	6.881713517	8.484996882	5.253504308
5.859956127	1.307703534	0.469090606	7.074978058	6.29209595	7.458031903	4.975563444
6.209890779	1.298338299	0.45318993	6.025817471	7.561732714	8.668517465	5.875004489
3.571365577	1.667896796	0.693799637	14.76998448	5.282643988	7.205207946	4.583237351
4.707210743	2.131712786	1.036622079	12.39598881	8.556473299	10.35541142	6.713274493
5.155702723	1.50436701	0.502109786	7.863929379	6.090783275	7.307019104	4.872174285
3.805359033	1.169089245	0.150690524	3.687734242	4.062415459	4.311043895	3.756008684
2.845613618	1.680745112	0.347428024	7.827557961	4.505895627	5.065751916	4.195122138
3.222668369	1.570051263	0.392265219	9.746252035	3.924380928	4.559436376	3.428475236
3.673846711	1.280843261	0.183038113	4.309737432	4.287573795	4.749938763	4.038848569
4.71590039	1.205999906	0.22204019	4.353299225	5.092153033	5.714401391	4.812555312
2.369989696	2.341024094	0.554661921	12.06376719	4.628397417	5.290146783	4.304151998
3.19597765	1.903986433	0.568003555	13.51107321	4.690033126	9.306005899	4.148710017
3.817336749	2.962794212	2.079931961	32.56201744	6.09301085	12.27061556	3.9837811
3.148058972	1.694051499	0.404446575	9.717071161	4.16685963	4.407047254	3.989307677
2.815605675	1.566739471	0.301199891	8.179778061	3.743995629	4.134291642	3.50249196
1.249275464	7.693991497	1.7928141	43.99642725	4.709764655	7.898092131	3.073115731
3.781798602	1.796073736	0.692259926	16.42240975	4.271955473	5.244092347	3.942089849
5.692050885	1.384545608	0.538006825	8.184640595	6.899171231	8.829190173	6.093608985
3.132812779	3.728212913	1.793653457	29.76392364	5.361292571	9.669656266	3.888220697
3.482913945	1.309786676	0.346535691	9.138968551	3.889313788	4.285480821	3.682170784
6.523916582	1.642642678	0.822142846	8.382039704	9.663466006	10.64530277	7.35453111
5.762545968	2.029342071	1.288228123	15.75328589	8.025377772	10.91454706	5.612793269
6.212009676	1.255714122	0.334860314	4.717605112	7.009260422	8.28044608	5.904915589
2.54518091	2.603178578	0.730812826	17.7366213	4.112929503	4.425376816	3.85092333
5.790093792	1.844147278	0.90531954	10.21557868	8.493789922	9.812769312	6.795225546
3.666961492	2.013734957	0.817513365	15.52327856	5.68765894	6.897870476	3.958366576
7.437120577	1.246927146	0.432163978	5.089711333	8.346024198	9.499881592	6.485270997
5.978522071	1.391527011	0.520370928	7.659663073	6.716289328	7.949018586	5.02388521
3.125157832	1.172516629	0.131060259	3.791932583	3.534133447	4.327324311	3.129925325
2.231804329	3.340284812	1.199384445	26.56218209	4.568327327	6.886064588	4.105525209
8.153919214	1.31762826	0.650001974	6.730786106	9.498212459	11.3090243	7.543621553
5.008749634	1.366202044	0.497237462	8.08840614	6.050666663	6.662120521	5.23273068
2.353722022	1.662034196	0.39875415	11.54392734	3.66248386	4.032847456	3.47020916
7.623398669	1.501403861	0.980163575	10.47390047	8.604762501	10.22201755	6.353932794
5.533670084	1.421979263	0.600113083	8.811476012	7.08984237	9.702845961	4.951082895
6.318538301	1.504114737	0.686644771	8.152001213	8.118969187	9.318378795	5.785530314

4.240066538	1.446241817	0.485503105	9.69946124	4.896915957	6.386854292	4.229197387
3.160358621	1.970342193	0.567260828	13.568138	4.100139225	4.428500405	3.831669479
3.191306437	1.260131904	0.155584499	4.321422893	3.651851893	3.930294501	3.340112891
7.774445175	1.222125566	0.374087248	4.268151148	8.548000937	8.935617866	7.928812795
4.905538865	1.628041925	0.713804559	10.77042024	6.974332122	9.714432819	4.952776474
2.74330084	1.677646706	0.338125332	8.808268954	3.908031407	4.442003739	3.627252628
5.623736719	1.965106841	1.224687621	14.16065192	8.209134402	10.58184318	5.241801709
6.87492852	1.51315462	0.611112034	6.53172593	9.184342739	10.41661304	7.612804934
7.799273354	1.276147534	0.424493104	4.707958349	8.895774427	10.53898544	7.153226364
6.440510007	1.172617323	0.262573638	3.698723868	7.005911256	7.557782743	5.804512861
6.326529247	1.323125773	0.523597274	7.488557413	6.661832995	7.568015143	5.1266115
5.466410721	1.657542965	0.862264168	12.31451326	6.553720686	7.587350823	5.169941611
5.34414709	1.37909442	0.410435563	6.894231474	5.975508524	6.876014123	4.890939035
5.257965442	1.409244525	0.403350692	6.123715327	6.359859838	7.716514813	4.801844992
7.659106907	1.301768721	0.457970415	5.253386484	8.593124385	10.17163377	7.585566524
3.931529068	1.357118091	0.241279747	5.511097951	4.36231427	4.554888716	3.968739796
3.962544932	2.303520875	1.184699174	16.0961001	7.664142759	11.44883971	5.973108121
5.443035214	1.472426414	0.528856284	7.724795394	6.935528492	8.10391963	5.876048693
5.255997093	1.646268151	0.941983615	13.66917525	7.5354962	9.677806193	4.251070961
4.265147252	2.17543763	0.962407887	19.4078315	5.063528914	7.529237039	3.882752109
5.699153282	1.283309986	0.3539868	5.129475683	6.782636935	7.664124591	5.133387065
4.953913355	1.709671128	0.888528938	13.50716142	6.402169629	8.335903082	4.543028088
2.743587251	3.432521384	2.013818064	34.02939474	6.808535176	9.854679009	4.517787426
4.370317932	1.35152773	0.322642453	6.917197505	4.685359418	5.785635134	4.507568446
5.484041422	1.643317752	0.777314413	10.88599123	7.328142407	8.490386993	5.78135814
5.936559048	2.261844491	1.463335711	17.1589007	7.724479908	11.46143451	4.856797831
2.419453944	6.157754937	3.515689287	33.52741466	7.269576111	10.11117103	-1.28633876
4.806288649	2.369288833	1.645421069	18.34943938	7.960340788	9.204902782	5.406567187
4.334297623	1.347931973	0.269565048	5.796542238	4.757809199	6.203084999	4.479484069
5.273670047	1.607612245	0.81035238	11.76848933	7.006181603	8.142201383	5.612110213
5.639844604	1.744651251	0.850516907	10.75718206	7.707327866	9.222932114	5.943084033
5.542268109	1.216284308	0.316431526	5.084194728	5.901466868	7.155024123	4.369550826
3.226823434	2.429375721	1.13520152	22.53043136	4.694858827	7.61454016	3.26341209
5.533614532	1.493870804	0.603293622	8.904854829	6.294966296	7.711923412	4.426269837
3.548204843	1.822537001	0.650416284	13.11774971	4.915033246	6.120853554	4.596046816
4.149161407	1.163991859	0.205948205	4.797342316	4.54620806	5.415950671	4.114277385
3.488905187	1.487359695	0.357765494	8.400813431	4.307583418	5.160954457	3.753184681
3.343712663	3.543010341	1.809233076	39.10945259	4.424592134	5.044968959	3.664194361
3.81543478	1.783437983	0.656124568	12.33799434	4.961629414	7.025437628	2.468964156
2.251514308	2.15197591	0.409973393	12.14006434	3.532372137	4.184768799	3.34428269
3.662791215	1.995619536	0.743534906	16.36217345	4.821308624	5.843154825	4.529618554
4.250320544	1.454233398	0.413299119	7.798733524	5.2473132	5.848410995	4.717810677
4.491211085	1.813758313	0.764328179	12.35817759	6.164272439	7.446669994	5.143652027
3.674638889	1.713106534	0.753838442	15.9970969	5.247441295	7.843018205	4.333221013
3.34788896	1.477564004	0.302659329	7.770142904	3.934552561	4.36416532	3.650835475
4.330863255	1.298473045	0.348777813	7.205161166	4.88214886	6.241903821	4.547329552
5.374406191	1.537716252	0.564013635	7.941670162	7.035864248	8.129578464	5.849956873

2.549371783	3.036938551	0.808800028	17.45223958	4.790695734	6.844947576	4.198525347
2.965804722	2.335208959	0.848474066	16.08691222	5.290354372	6.812035485	4.255554087
3.263031628	2.328005547	0.870549819	17.61415551	4.974344934	8.49500261	3.938074294
5.938513144	1.43008467	0.598459381	7.960467368	7.323535731	9.844857788	6.41653449
7.219307111	1.212062206	0.396714069	5.010745474	7.848868241	8.930323801	6.145091194
6.269107688	1.332514959	0.616223234	8.323344348	7.684608799	9.861762666	5.316658157
4.183128449	1.372705621	0.341727669	7.09561347	4.688301302	5.325228443	4.109073073
4.884587819	1.34211797	0.374084484	6.456261507	5.642112913	6.163560077	4.92124927
3.227360861	1.763002872	0.674000883	15.92303429	5.001207188	7.425485143	4.552200858
4.49564086	2.213710323	1.425078902	18.61803799	6.140834313	8.647609252	3.683617527
4.732693835	1.497866267	0.544208103	9.198130243	6.062058944	6.952924392	5.227959068
5.831324698	1.375537158	0.483365389	7.061181412	6.747225164	8.49772059	5.739324463
5.789635657	1.473907528	0.624508513	8.87290094	7.112591156	8.400047399	5.414000046
4.373769592	1.295729359	0.202020322	4.133555825	4.92975752	5.405539908	4.729949335
2.896974075	3.417236802	1.995254885	34.76869973	6.528449964	11.18810106	2.595612128
3.507590368	2.372533868	1.566537163	26.516229	5.274511774	7.291623904	3.585648097
3.607644478	2.106412215	0.821332335	15.27456711	5.92023913	8.238510283	4.608104612
4.186476746	1.541993151	0.689156372	12.55764062	5.57711503	6.863920868	3.778184286
3.299981649	1.67234008	0.366158533	8.987008362	4.126817573	4.771178932	3.854759701
5.227315324	1.919605439	1.094992344	13.62852103	8.31935319	9.664321745	7.058954543
4.804062061	1.429405846	0.521071057	8.509651083	6.273368639	7.668963845	4.892624077
1.142544741	3.627605245	0.643608381	19.23452597	3.515569031	3.779930599	3.177088025
4.095332602	1.338125051	0.268032851	5.64555231	4.822694736	5.479782128	4.672430408
5.542948266	1.398859641	0.508371281	7.3833033	6.567871429	8.023902425	5.05246358
4.15098172	1.658698426	0.592785164	10.93942578	5.703994754	8.535235144	5.059821083
3.89671308	1.414367955	0.359642441	8.250854895	4.332295821	4.844597282	4.061058626
5.721826657	1.348018721	0.373074289	6.133906497	5.937365567	6.734754804	5.293604144
2.522892827	1.769698765	0.371937361	10.99262252	3.500974359	5.028757526	3.18991901
2.901351073	2.539499758	1.221560617	24.35564348	5.641387269	7.152708583	3.890257014
3.69345307	1.220381728	0.230483687	5.966870595	4.048947708	4.698611312	3.826484939
5.025694049	1.462701827	0.647789647	10.75081117	6.095457137	7.749035549	4.788831814
2.97544911	1.296207814	0.186989932	5.28877072	3.601554632	3.881253717	2.826929857
2.641628105	1.599660039	0.554007564	18.26564494	4.007682942	4.329801501	3.746771664
6.235773739	1.435997859	0.561363385	8.059577163	6.840926288	7.823492269	5.95690864
8.045757328	1.463909465	0.825017044	8.25761472	9.476606532	11.48539065	7.693239077
2.355169548	4.72593789	2.211767456	59.08191855	3.673948521	4.218090029	2.721167648
4.52885899	1.754108747	1.027722721	16.10108653	6.753319743	8.692039525	5.269592066
4.227017366	1.920138766	0.909988399	15.47472148	5.371850466	8.637971317	4.261634621
4.400041095	1.564390254	0.549159208	9.569676935	5.571678061	6.969793147	4.819967208
2.412977381	3.236069539	1.068488862	18.89758967	6.05549961	7.700845327	5.184468965
4.665612632	1.239565005	0.265169541	5.143714677	5.23322697	6.084868577	4.83290292
3.564683324	2.072246365	0.842816785	15.32175085	5.561588555	7.540221462	3.810559954
6.223612084	1.525295105	0.921106069	11.51378626	7.79467812	9.395524105	5.942300062
4.210565628	1.740051617	0.77460028	14.83499377	6.058454411	9.359481313	4.523063065
5.478616222	1.433460924	0.556753089	8.231512257	6.947653137	8.643935574	5.108879423
3.280479707	2.597653919	1.448056356	24.44660742	5.893504208	8.734243781	4.243725823
2.440800066	4.485692421	1.856070113	26.39076789	7.730096431	13.10706791	5.386975793

6.917218888	1.678903151	1.318922582	14.64159941	8.734019256	13.02231421	5.748239452
4.762876378	1.696778683	0.758798808	13.7637278	5.65548299	6.430663565	4.252753188
7.170002584	1.319769404	0.503427179	6.043509147	8.24497515	9.844606986	5.751025768
6.057897895	1.241896111	0.378856729	5.690619581	6.647602907	7.492022911	5.045588531
5.473001055	1.134149518	0.201691561	3.520533312	5.592737704	5.989282828	5.060938873
5.183200777	1.403917528	0.441344381	6.766138594	6.536119175	7.452381377	5.3755197
4.514233053	1.347658682	0.413794429	7.959792983	5.377343382	7.69249902	4.738078013
5.0614663	1.603685669	0.573350356	8.520071648	6.527229077	8.287330838	4.916368436
5.721510492	1.171515862	0.182107329	2.920994745	6.317229827	6.621555591	6.061140936
3.951628493	1.739444106	0.587202805	10.43590025	5.463819233	6.194757934	4.883368203
3.070190859	2.885635686	1.57430682	26.16865115	6.840739033	10.42630674	4.682707629
6.349194953	1.46139636	0.766660185	10.17547396	7.220307795	8.659827612	5.869980413
7.432651515	1.337745175	0.583694611	6.594435167	8.435289039	9.687455283	5.6326524
8.108886087	1.282935235	0.594740661	6.293591325	9.221726301	10.86187434	6.812984632
4.080110414	2.821209204	2.087149019	27.38833115	7.022454865	14.88035178	4.27471199
4.143761975	1.691382102	0.791487538	15.5704544	4.714883516	5.812991711	4.224147208
3.413680887	2.546082929	1.051979037	15.56305573	6.50161437	8.365780174	4.663536177
4.147926701	1.673973404	0.800196465	14.12111264	6.350954193	8.451930914	4.944701437
4.137935308	1.40137225	0.329786727	6.89861457	4.78334628	5.345812038	4.588597611
1.926729541	5.823697379	2.412831702	40.85588139	5.070318372	8.752762935	3.771694905
4.049001579	2.079314318	1.141308582	18.75074943	6.555776103	7.939372997	4.385714596
3.636835791	2.930433858	1.638645853	22.40889113	6.569548921	8.575391924	3.997254937
4.895965466	1.622098756	0.570513568	9.197571416	6.288096989	7.496514859	5.287336736
7.022457959	1.370944311	0.590082472	7.086168085	8.236656787	9.380325148	7.272010141
10.14703094	1.183859017	0.442980754	3.950681791	11.08601657	12.25026528	9.472616673
5.754437375	1.790964865	0.967482242	11.89734449	7.907433306	10.18878223	6.073177844
3.844611274	1.923191623	0.70385157	12.8770989	5.677315938	6.365475251	5.263901352
5.034961477	1.751699446	0.968390417	14.14705278	6.858047455	8.977709009	4.746962154
4.328081097	1.731204619	0.625416868	12.10385125	5.236856545	6.529437947	4.843342814
3.87713224	2.165824094	1.312652748	23.95498583	4.863317937	8.58388407	3.265209901
2.948886318	2.015054189	0.619789479	13.13239773	5.092605759	5.401170222	4.939583481
5.865557078	1.533229053	0.803613529	10.61154453	7.248065383	9.147953417	5.554470024
4.136111759	1.422747678	0.430831477	8.885477769	5.169985987	5.816693345	4.62921791
4.603095545	1.566579284	0.617860309	9.878781482	5.882150398	7.664605114	4.2655678
5.986170598	1.896719926	1.227312363	15.69753168	7.367712018	9.331253686	5.403960021
4.589337885	1.681087903	0.620219029	10.85206994	5.943149243	7.772378155	5.159738091
7.49348372	1.644886127	1.485522303	14.93776635	9.322168677	11.44982641	5.325108101
3.738211965	3.300209412	2.166932229	28.49407537	6.945426088	11.77942334	2.514004886
1.800646469	6.402521493	2.360717428	36.46515751	6.216613284	10.60139951	2.891322576
3.871921015	1.895770911	0.762611034	17.08774623	4.453083832	4.979062455	4.171337628
6.407288067	1.376354795	0.513266157	6.783159287	7.797223262	8.711286879	6.174103386
6.956386875	1.263977273	0.425485325	5.413503849	7.92336924	8.939575862	6.493349621
3.944569548	2.028222174	1.069254363	18.06850366	6.477290504	8.86656837	4.440127902
7.697237911	1.311622115	0.574624508	6.309270569	8.70941599	9.774367959	7.202853786
4.935138072	1.388183336	0.425216806	6.875366927	6.028338236	7.06016768	5.291782874
2.601014913	3.318500489	1.623208867	29.60578294	6.723062517	9.659953998	5.061769457
6.135850203	1.254484651	0.355636594	5.019224554	6.929220698	7.854517716	5.931001332

6.004636989	1.381905654	0.535969466	7.286012186	7.456928702	8.516747985	4.844667001
6.059725737	1.48091164	0.706476249	9.266385709	7.492111529	8.867198269	5.278670204
5.749887417	1.393212247	0.480523145	6.654120717	7.150223453	8.079992389	6.167173165
3.625704709	1.939003118	0.697867174	17.1981423	4.043691182	4.39984948	3.760679157
5.531693344	1.292291754	0.415912434	6.586051855	6.178556052	6.725561262	5.231652147
3.991019099	1.163206931	0.137754315	3.290037838	4.356596116	5.202201191	3.846382126
2.727175898	1.719332414	0.390979501	10.16152634	4.027275265	4.657576348	3.760524352
5.87124388	1.552228897	0.722489525	8.992478783	7.525386878	8.900659965	5.143949696
6.402682099	1.222850102	0.423381486	5.909576303	6.791302998	8.067215003	4.987919813
4.06095633	1.955378205	1.35695684	24.39191604	5.730611322	8.755025145	4.026585827
3.525102183	2.025187662	0.981246677	18.6206351	6.115425926	9.284164949	4.015053318
5.071388857	1.291026973	0.301247147	5.095413263	6.096672013	6.87875576	5.300208272
5.336953531	1.432799237	0.5568968	8.574621308	6.583586821	7.917719854	4.851760388
4.92439203	1.558165399	0.583724507	10.48890555	5.429247567	6.374100664	4.842808317
4.368173707	1.979820656	1.095473371	16.02689471	6.301231633	8.661446993	3.861957573
4.804753337	1.770506061	0.944284195	14.63912396	6.349664339	8.794606011	5.015602012
5.330715678	1.760160432	1.109324196	15.61050308	7.903129382	10.94014792	5.886775511
3.325169015	1.64090788	0.447532431	11.03480971	4.714963745	7.834208291	4.177362584
3.758856115	1.520355949	0.416993353	9.333247274	4.505374418	5.486453849	4.254425532
4.620529877	1.58334912	0.494887581	7.976438815	6.415492062	7.646605105	5.662235559
3.29992401	1.677973691	0.424134964	10.45141287	4.074792722	7.468805924	3.845798059
3.989211933	1.189420246	0.189975171	4.551030966	4.119545632	4.775964741	3.703244509
5.748997452	1.408435981	0.584634808	8.28717569	6.802205433	7.628812136	4.71329986
5.016245722	1.72491602	0.791921066	10.63383009	7.882964985	9.406224617	6.708521596
4.361169146	2.407921236	1.353316073	19.06454896	6.84154141	9.488902958	3.45677871
3.006372113	2.536560565	1.074165363	21.78850451	4.738448346	8.594231799	3.465025389
3.600933833	2.558475146	1.467172867	25.54060848	5.321391665	9.067731494	2.186125476
6.589582418	1.392947169	0.622546968	8.019671463	7.433706388	8.366297161	5.666509865
5.051413474	1.436664662	0.51925164	8.937235596	5.984168712	7.828851871	4.287753355
5.669012429	1.486003517	0.707392065	9.578894509	7.309168476	8.843996074	5.123604347
5.862143405	1.264031862	0.386998078	5.710199753	6.70053802	7.754783019	5.121131178
4.560992899	1.287427875	0.34777291	6.912277834	4.915479787	6.138826847	4.234375145
4.844483794	1.433532391	0.548009554	9.723601681	5.29227248	6.874846529	4.504883106
4.74038311	1.386388567	0.490471232	8.964464921	5.676204577	6.643301009	4.95001675
3.6293771	1.871352159	0.570418498	13.42213181	4.25064318	5.045647195	3.734265602
6.150385666	1.394104421	0.648596199	8.892175459	6.565151058	7.995727302	4.446819427
5.536062634	1.565665538	0.650832332	8.810411037	7.588637624	8.703801459	6.325356714
2.278990703	2.919915645	0.761931115	15.72285052	4.973820391	5.546578096	4.533172864
3.770500223	1.589532893	0.569227469	11.31317994	4.949520843	7.472260111	3.349597313
3.320762267	1.984852631	0.659765452	15.92919299	4.093642586	7.287725113	3.708712569
3.46575361	2.385197604	1.094016984	19.98376556	5.512688932	7.655847881	4.287837319
4.23483211	1.553397031	0.60137481	11.49595185	5.373782944	5.864570655	4.892983075
4.38773691	1.829009717	0.787904091	14.19928381	5.640876524	7.204124417	5.114583275
4.472563619	1.552896549	0.677008861	11.77180512	6.088941482	7.776777484	4.590052921
4.221799468	2.598378294	1.531097094	21.97847087	6.434034233	8.370531153	4.386179632
4.790358758	2.45499527	1.473165007	18.28442229	7.600606268	10.10528886	4.882990678
2.252907534	4.081556631	1.655045954	23.92223879	6.101842068	8.647592206	3.166431107

4.69455911	1.403788849	0.534034142	9.65052876	5.871876868	6.528431698	5.281289444
3.93124548	1.407968459	0.315851803	7.013316557	4.513660924	5.738053507	4.300371175
5.329457546	1.766215726	1.032616095	15.4595565	6.31994367	7.930504428	5.357964685
6.398242877	1.417142866	0.716808969	9.259100887	7.753346952	9.23572962	6.709003744
6.376051205	1.635326102	1.004879102	11.14994187	8.472605044	11.32832256	6.004457583
6.712746656	1.418138066	0.627609293	7.591451005	8.148598378	9.345782528	6.116042823
4.802358597	1.421739375	0.376555052	6.17198973	6.092660991	6.824282539	4.955975167
5.415908082	1.190575599	0.257865197	4.323138717	5.575168807	6.933093786	4.963932196
3.222799595	2.10928844	0.948933199	17.63110039	5.297575133	7.191281996	3.702952934
3.241878394	1.695384295	0.57032691	12.62364068	4.400736104	6.304186069	3.950974534
6.813560102	1.285963479	0.442661232	5.686433309	7.686844065	9.357453083	6.085014466
4.979585967	1.437918901	0.386653571	6.46884328	6.136383318	7.335477447	5.38909892
2.558692131	2.108005308	0.76063251	24.81338926	3.825014553	4.775763526	3.189401464
3.46813867	1.919051281	0.905100031	20.51574381	4.356952203	9.355003314	3.353231001
5.784006797	1.33050384	0.471065574	7.002343608	6.658870204	8.05257526	4.429984742
5.391597285	1.371302757	0.476048889	7.93435153	6.092780934	7.086925087	5.154496834
3.73813253	1.933729464	0.720045389	13.91862563	4.97436609	5.719600216	4.253495536
6.928995714	1.509528647	0.697146104	7.507747962	9.37997484	11.63060766	8.23868149
6.104586155	1.369120573	0.516704774	6.976760577	7.325553003	9.015881379	6.101464424
2.985479721	2.187435317	0.673094264	14.08461678	4.974100902	5.528555334	4.507818258
3.106571708	1.458964446	0.251744956	6.245998517	4.146123214	4.595030293	4.050058649
5.617979806	1.40705212	0.641828885	10.1056205	6.609498306	8.364762578	5.685727461
3.880510907	1.236159422	0.225567015	5.312708554	4.256954896	4.825847328	3.809768566
4.259995513	2.18167211	1.012524599	12.45533024	8.235472836	9.169147029	7.0682133
6.422807087	1.556410316	0.716362915	8.609184529	8.062702127	9.349164052	5.957238568
5.725625972	1.33692857	0.64344114	9.621505344	6.913672932	9.345775977	5.093802449
4.394747333	1.758348317	0.749774365	12.4248668	6.303651389	7.804400493	5.592792613
4.067313019	1.32336916	0.2814928	6.093072832	4.707732212	6.025371282	4.308855859
4.589320704	1.551471036	0.468023908	8.075737836	5.649045206	7.310433654	4.844166854
3.084843226	2.598662837	1.090531874	18.94246089	5.900547391	8.219902541	4.980812414
4.441135985	1.797957863	0.807945335	11.91270316	6.500478941	8.51172158	5.190654832
5.287573416	1.292104266	0.421637989	6.863107923	6.322330033	7.654440742	5.325881552
1.897604933	3.72869055	1.404681319	28.45887769	6.268704823	11.08865109	3.782878682
2.892033591	2.889569744	1.379243622	27.32805568	6.495879524	12.08789844	4.541817802
5.296643971	1.734116499	1.005688995	15.07279205	6.372488127	8.178220295	4.459199097
6.161952003	1.139602275	0.20539146	3.112081988	6.672707733	7.374212694	5.655792475
5.052271747	1.496222083	0.630808268	10.53397163	6.26266871	7.469169389	4.961413517
5.015494566	1.59175248	0.587842007	8.395276323	7.149840134	8.092981176	6.106904174
4.009453071	1.319142157	0.292931922	6.561914808	4.496916481	5.661107809	4.19336812
3.901767959	2.052030499	0.752962573	10.84436345	6.869389289	8.988225023	4.580896244
5.186780248	1.237099412	0.395936499	7.034901222	5.743431971	6.452336395	5.560121728
3.252485903	2.677347062	1.424039964	22.91848288	5.693897883	7.462917202	2.823352596
4.481126242	1.557838574	0.44333111	8.361856161	5.319298854	6.364216034	4.684284271
5.340887954	1.296441622	0.354678422	5.837803487	5.816099673	6.269935758	5.065136886
2.144684949	3.419449367	1.479812984	29.0952085	5.476606184	8.947766404	3.482216862
3.956558269	1.360088893	0.254317048	5.985843577	4.395075547	5.728494264	3.916238533
4.318415835	1.722417908	0.721209827	12.06138827	6.06877874	7.220713716	4.75267601

3.994645462	1.672570846	0.675101515	11.68056511	5.884393223	7.832382996	3.468286509
3.023427408	1.888157289	0.718744633	19.75691852	3.97763422	4.916568346	3.368675747
4.136770441	2.436496972	1.51154728	23.65754934	6.893689421	11.25126519	4.191195811
2.176556913	4.116461002	1.425349076	33.11663061	4.580871229	7.754370094	3.463887849
4.014376502	1.582087419	0.417799833	8.802445034	4.76233596	5.801512719	4.445958667
5.875625469	1.513309114	0.763527151	10.35516284	6.75071089	9.815280817	4.71073215
3.584170605	1.586135511	0.325395012	6.965310039	4.808608778	5.514276183	4.589017056
2.682620876	2.03806497	0.466181925	12.93446768	3.685631222	4.368111023	3.519393137
3.956900028	1.646916859	0.595132675	11.98282037	5.015216829	6.695568122	4.607112351
4.170858147	2.261500868	1.467628001	21.1651205	7.684699342	10.2850605	4.498835916
5.461853774	1.565581129	1.004522222	14.77337551	6.240497529	8.077236038	3.93854186
4.79618351	2.237921509	1.424675957	21.75908488	5.643105659	11.18537425	2.73397052
3.708775423	2.355127633	1.253268969	24.93251897	5.666548025	12.13265857	4.091792932
2.666463799	3.316989131	1.098913101	25.48925929	4.307697645	6.496482769	3.832799896
3.335801711	1.199507415	0.123641335	3.350214825	3.860697244	6.139494935	3.606248326
4.315879534	1.223079565	0.251355592	5.405610385	4.80635344	5.340259533	4.526149412
4.262597082	1.436942449	0.33587463	6.865203997	4.936634969	5.474253073	4.455163992
4.652155399	2.084089554	1.106363283	14.10367063	7.549055704	8.680465953	5.879174192
7.015615051	1.417168985	0.686627316	8.139224898	8.123284598	9.445485542	6.126108057
4.305490297	1.488777672	0.509539206	9.802773526	5.344763201	6.639003624	4.641339172
5.149706744	1.42965518	0.531863139	8.743586227	6.230429139	8.1261127	4.998803193
5.966120925	1.290446003	0.411322138	5.805032536	6.780182587	7.433189561	5.838709231
4.905402766	1.454237234	0.641537799	10.84991	6.236097898	7.507657138	4.289770392
1.750983178	5.016561603	1.888993996	42.41997839	5.721386175	8.262548196	4.576750129
3.999007811	1.949501403	1.10196174	20.23074245	5.983633284	8.267740813	5.095185053
5.595872514	1.36561109	0.534087434	7.920790498	6.950477145	8.285385387	5.13281565
5.243628786	1.294706215	0.412376746	6.953608724	6.053117535	6.95509872	4.799154238
6.621801586	1.486114914	0.792919988	9.561921636	8.441837165	10.49690879	5.264425111
2.940459991	2.202421479	1.153787978	30.17363507	4.652911142	7.159143965	4.283000019
10.52818089	1.150160129	0.444747173	3.939326804	11.25550923	12.32777203	10.4278635
3.363935696	2.611099753	1.263997433	23.06104422	6.232144527	8.493590831	4.398726324
4.667583993	1.971783424	1.208894431	17.12574059	7.302656108	10.18251437	4.127270692
4.807208638	1.780783922	0.993036947	14.57892598	7.11498558	8.842893274	4.30325087
4.557571093	2.036555674	1.141574721	15.72964328	7.089098736	11.74359686	3.366906119
3.503859935	2.285904548	1.052006194	22.37074632	5.070786147	7.469385263	4.233896122
3.610868946	2.826575236	1.730714395	27.12322686	7.632874132	12.17571368	5.899138054
3.078853339	1.656633327	0.463299505	10.64063713	4.6506819	8.405933271	4.32082377
3.73829589	1.794683591	0.779945956	15.68320688	5.633433853	7.220360457	4.716750011
3.320696626	2.143275866	1.131505657	24.43731964	6.096611226	10.69144021	4.087797036
3.828245081	1.49951693	0.765100822	17.11209534	5.503534392	10.18878972	3.835179168
6.205133064	1.554162365	0.788202688	9.830742104	7.950291088	9.950933363	6.23237258
5.064623969	1.487593251	0.55163789	8.735757108	5.90081046	7.104016704	3.859646282
3.662812063	1.705110424	0.566740083	12.88228417	4.772822267	5.772950099	4.434495462
4.011042353	1.27575101	0.203902784	4.663173353	4.501464108	4.944206103	4.157729019
5.659551523	1.628243901	0.643766017	8.301365163	7.789758058	9.126198196	6.878328258
6.295766908	1.332925684	0.560379693	7.652036023	7.143578764	8.236871501	6.272968435
2.707448967	2.423562522	0.770558205	13.44424641	5.721078545	7.776757753	2.970916897

4.512127746	1.661047937	0.836381957	13.61921707	6.026689181	7.586874458	5.210978859
3.918759746	1.915598028	0.872870309	15.37915431	6.183296141	8.508263164	4.866286185
3.398665362	2.515506781	1.456025018	24.20273882	6.102686619	9.590341604	4.151501465
5.668829874	1.403843699	0.447178763	6.946285698	6.237190874	8.062146669	4.246259116
3.446491946	1.344014742	0.19701259	5.015062113	3.94386981	4.592517721	3.498286861
3.418233926	1.453836461	0.264170894	7.074463698	3.763518042	4.359514531	3.479019255
4.149737062	1.89212407	0.910874636	16.2478124	5.832877051	7.317765434	4.737930929
4.158342169	1.456654907	0.456219598	9.471609735	4.770400583	6.507819149	3.784746081
3.993525751	1.610664025	0.507985003	10.4423635	5.138308492	6.964344007	4.328888314
4.029975079	1.385291112	0.382829565	8.570621665	4.462935278	4.923473858	4.128552823
3.084947464	1.73357562	0.494771849	12.14317884	4.201855377	5.102486366	3.684915606
1.965477734	2.61301138	0.578941535	14.7904505	4.043741602	4.523781081	3.579069245
3.710802583	2.023651586	1.028251022	21.53721715	4.223932904	6.199652828	3.521538785
5.575426638	1.668844006	0.888694966	13.35775747	6.529572026	7.935864941	5.689013246
1.922946962	4.440013768	1.200550778	30.65717966	3.786292739	4.084715025	3.364527927
3.412959483	2.034506767	0.70132827	12.62541398	5.296168723	6.239977756	4.033964415
3.842857501	1.243886874	0.161010127	3.674610517	4.45298544	5.28877843	4.196943776
3.191074692	1.300998516	0.16929439	4.842731583	3.463033843	3.813171844	3.144874982
3.721566913	1.32216462	0.256912698	5.724584218	4.660950054	4.96306869	4.437879666
2.910400565	2.227181945	0.930568184	20.14005601	5.936166686	7.86691405	5.346389323
6.565402049	1.414076875	0.748292606	9.809306339	7.494787345	8.97395107	6.110326417
5.00630918	1.862851598	1.084444095	15.38920433	6.110065276	7.942011482	3.636165042
6.251920002	2.121188336	1.704027453	18.5828111	8.477346136	11.23609249	5.088622984
3.277944498	2.687902938	1.714034602	27.2109199	7.465050878	9.925063028	5.132289404
7.415934981	1.338794743	0.700942236	7.926158275	8.520970441	9.884537875	5.994897748
5.468504909	1.347042082	0.484977933	7.584128681	6.221416586	6.99840646	5.304328651
3.533827661	1.621655418	0.71708048	17.2901551	4.561626063	5.750357056	4.303994445
3.228952137	1.955892906	0.903324544	21.01674528	4.655509096	7.530834306	3.832083862
3.49003734	2.290826417	1.481911385	26.02932337	6.291246654	7.863728659	5.458066369
2.417157842	3.670576211	2.081874647	49.93451045	4.657598774	11.48234039	3.680760608
3.067151388	2.626435364	1.142117688	22.14556551	5.006986271	6.120728708	3.645042291
2.856482748	2.543661595	1.154676452	26.88097212	5.03807256	7.513682785	4.282929822
3.641744304	2.258190824	1.036430682	15.59834749	6.613157505	7.373984988	5.079785052
6.295522559	1.401351543	0.707586049	9.084096352	7.492631078	8.298087	6.244123725
3.695672251	1.476718512	0.377325404	7.850160113	4.901491194	6.229088575	4.215744404
5.997191264	1.422640674	0.555612276	7.637141653	7.405236393	8.572920877	4.724698757
3.234428004	1.36655444	0.203200696	5.323781259	3.838041333	4.033275192	3.488222655
4.148555837	2.132621097	1.182411419	16.36408824	7.839630799	10.17801326	5.220000072
6.881703354	1.246893719	0.444613073	5.634856344	7.921408181	9.345322889	6.38640317
3.332526112	2.306794	0.896589338	16.34043568	6.012551411	8.425100755	5.229024868
5.971636782	1.222591939	0.39001671	5.846435256	6.690714733	9.289357622	5.056110705
4.769769954	1.633852352	0.717563071	10.92476941	6.245618591	7.298147037	5.093428004
3.732964951	1.663078028	0.46634422	9.864300406	5.095226989	6.875375959	4.637197764
3.073538278	1.614176315	0.680114343	17.92242219	4.999411478	7.508438298	3.63295055
3.205106068	2.06985661	0.658236666	13.66039848	5.311556109	8.363611065	3.946691127
2.775290755	2.093235827	0.598898076	15.81923181	4.242459702	5.655424542	3.812032319
5.562527456	1.378796859	0.490502149	7.654113845	6.254178586	7.995661184	4.913531262

3.040917171	2.812054152	1.452210133	31.82469156	4.213607835	5.094590661	3.618415194
6.217856613	1.786812828	1.302402798	15.49077483	7.822976085	9.916173233	4.653154963
6.440175273	1.443897086	0.715630018	8.519563955	8.059820394	9.463752291	7.016073296
2.468683702	2.083344173	0.445859691	10.46920632	4.281897701	4.608835096	4.028693322
5.686791758	1.997037712	1.736363827	20.47390922	9.33633951	13.51316152	6.981251487
7.132074215	1.194309331	0.369126172	4.701743615	7.754366771	8.974378018	6.330935215
6.216015414	1.74401229	1.216645711	15.41144541	7.353572765	9.342606096	5.165944623
4.558032776	1.528063044	0.613107484	10.93280135	6.139569284	7.954394027	5.174731335
3.264844621	2.914350849	1.071702291	23.62394731	4.600289903	6.271868865	4.334585402
3.267621916	4.155713714	2.685902179	28.78183809	8.579111557	12.3878263	3.499565055
4.739303585	2.75134919	2.744824912	33.05703327	7.18764716	11.3715144	4.289283029
4.605052417	1.810111582	0.914714698	15.03992546	6.50803705	9.155681336	5.319072543
5.268554466	1.34086819	0.338115219	5.352206663	6.413350453	8.174839245	5.033664887
3.684985967	1.54421022	0.700041424	15.85044571	5.197645364	6.593601117	4.560874111
4.13200326	1.231013893	0.226838535	5.248318833	4.503444333	5.693337848	4.232484689
4.733922822	1.418803426	0.537453173	9.826294603	5.347933696	6.176240817	4.687336069
4.939576085	1.278344113	0.300123934	5.473954655	5.498728793	6.404367019	4.898257991
2.333112253	3.719881769	1.134849284	20.39857743	5.451400949	8.27265837	3.558304108
3.245364816	1.669628495	0.471927649	12.7181434	3.864167838	4.186085985	3.341927701
3.283052952	1.347262626	0.25157755	6.406551762	3.931188955	4.288693799	3.634891141
9.630277645	1.239412885	0.615217283	5.756813031	10.64820723	12.17247382	9.715750649
9.663985246	1.215583134	0.523250365	4.727708943	11.4294345	12.66600211	10.31262523
2.999477496	1.495511132	0.258692156	7.601742747	3.424604423	4.206517222	3.05400438
6.116125602	1.407589154	0.550950284	7.174108831	7.342387762	8.206279571	6.216318529
6.263648007	1.219913314	0.386460622	5.554717357	6.961103707	8.117260163	5.191365793
3.946398435	1.95029827	0.840308606	14.94407934	5.464201246	7.520585161	4.626043071
3.813365158	1.404851767	0.386457824	8.111954353	5.21540723	6.43051131	4.815426364
4.230175967	1.143676466	0.144626458	3.201029054	4.61347274	5.288383222	4.352294263
4.452541105	1.788030261	0.879378583	14.19372437	6.420975505	8.338429929	4.253586205
4.776435949	1.476722659	0.511841973	8.304260335	6.394932018	7.16231341	5.133446648
2.69346803	3.750537572	1.525855126	27.27391085	5.732693904	9.847486856	4.744926687
2.592515072	2.165073154	1.090323331	28.59978469	5.137240275	8.867112368	4.159667119
5.649930056	1.644012697	0.794846013	10.58210655	7.016815975	8.93483381	5.506803197
5.049772051	2.028132504	1.40021775	17.70744891	8.437141569	13.64103304	6.027489856
5.655998656	1.26101128	0.361309453	5.730820934	6.204326605	7.546066106	4.715970343
6.811224681	1.221904437	0.324415673	4.221045033	7.732928221	8.531743656	6.822552466
5.645412925	1.481353681	0.589797478	7.891963434	7.270816736	8.6288991	5.154266845
4.521956326	1.39932403	0.41869057	7.697843575	5.304869022	6.195449352	4.604751648
4.518265572	1.545766606	0.60848802	10.20465164	5.867742628	6.589249446	5.232005551
5.267735879	1.405633808	0.536333853	8.546776473	5.934011905	8.369290238	3.9305017
4.169424005	1.591952505	0.627489348	10.93675444	5.956463309	7.550925067	4.176803188
3.051252458	1.38810111	0.221461512	6.056162391	3.690759616	4.288386329	3.343459218
2.257986383	1.770504136	0.384809583	11.76798359	3.44968643	3.706284674	3.100934474
2.743314318	1.876558117	0.419442295	12.07156001	3.454669868	3.763228633	3.274436172
3.115092947	2.545310573	1.549491353	28.14238441	5.027951876	7.863613477	3.440120066
4.054779841	1.691713973	0.680134482	13.8786492	4.820838007	5.806092205	4.429136711
3.357079933	1.241941274	0.153412098	4.065458339	3.825363605	4.257540847	3.433870229

3.204723893	2.112376008	0.695119289	18.66879509	4.10965395	5.224151213	3.473674821
2.358287798	1.782457133	0.349865499	9.825301531	3.622937668	3.875282498	3.435824782
2.903181945	1.618858841	0.415394261	11.4781675	3.632241297	4.007419412	3.185174343
6.226672621	1.212400276	0.327987689	4.76243053	6.863259755	7.726946742	5.446815257
5.959989816	1.33508185	0.484563895	7.129446616	6.43868096	7.881405447	3.852878756
4.382418162	1.482158196	0.579288974	10.65597509	5.513687319	7.475653073	4.454763305
4.714279857	1.188353852	0.17959965	3.530292055	5.202598111	5.856743551	4.789593929
5.056067456	1.501488009	0.504827857	8.443736149	5.597311779	6.849960161	4.933114249
5.03858629	1.297160281	0.314934613	5.540578397	5.899161245	7.16823941	4.616950085
6.219350378	1.386772015	0.600757273	8.095003623	7.50795576	9.868887082	6.532503732
4.964891108	1.478657132	0.666546516	10.70126146	6.266461909	7.797102275	4.38812182
3.401903412	2.383872601	1.046617871	16.63595081	6.086127971	7.269170589	4.807702065
5.212081504	1.27810453	0.37373455	6.250477752	5.867016975	6.909858635	5.194769824
5.644662436	1.523594367	0.550649363	8.090995298	6.594409114	7.621708955	5.475693964
3.413442065	2.017189015	0.864545582	18.98096023	4.670612205	6.077579077	4.206566552
8.704970375	1.350055719	0.638907493	5.851794452	11.10984926	12.48032204	7.86936339
4.236633239	2.220300137	1.036458156	14.86639623	7.013528176	8.203977955	5.328795379
6.916424497	1.472030929	0.86240287	10.11101323	8.94632839	10.6899134	6.741052378
4.63740391	1.34221744	0.399755448	7.163543439	5.675644759	6.537901361	4.997629931
3.964157999	1.922129927	0.769116799	14.44807136	5.605253536	7.593944573	4.226987588
3.449209004	1.360544714	0.284130944	6.988971685	4.338449681	5.91020033	3.898375937
6.096334086	1.65166428	0.954247856	12.0003339	7.880376898	9.562674448	5.882214585
5.803982875	1.397003095	0.714365722	10.10452519	6.640172501	8.1941404	5.482261613
3.893244203	1.285018906	0.19926181	4.313764974	4.72936832	5.017083471	4.522327846
4.801822757	1.23812668	0.278359603	5.288970748	5.187199427	6.548438034	4.571836339
3.705575539	2.01697409	0.932573197	18.4077899	5.526113774	7.818907681	3.862809005
4.30304242	1.103051371	0.109514009	2.456811959	4.448852366	4.900881506	4.132450234
5.194676505	1.276361099	0.406260962	6.800683525	5.690324323	7.831547617	3.830076951
6.413743674	1.408085117	0.606969627	7.671806025	8.077794507	9.012348996	6.09997608
3.50428233	2.905085755	1.322773093	21.30790814	6.962774576	11.57099017	4.715387284
3.084133783	1.559519439	0.330530342	8.286702045	4.13276316	4.976449921	3.790243092
2.927588636	1.260570623	0.123973118	3.863510409	3.207945217	3.660941571	2.736803245
5.385779336	1.358852055	0.43014958	6.755409867	6.464309012	7.740113863	5.040233869
3.048760626	1.633555912	0.310836115	8.523618397	3.673456214	4.045562959	3.351329701
2.911087958	2.446042996	0.70538811	15.82349132	4.627248701	5.397000763	4.02684166
2.271965	3.725017163	1.167826806	21.01533061	6.416218755	9.08623198	3.438217428
4.752661327	2.029817627	1.136843286	15.88080326	6.990843763	9.687022427	5.794406737
3.180640828	1.631622129	0.386137985	9.008847908	4.449777665	4.680072804	4.226397289
4.025048116	1.771355202	0.544421049	10.78373526	4.982907831	5.721350223	4.628242403
4.889499304	1.882549134	1.046471681	14.77626995	6.572622509	8.343789964	3.57146184
2.297865894	5.118450094	2.052540372	40.11762119	4.414958657	8.381135646	3.33434125
7.205533095	1.306588469	0.554432299	6.795013971	8.204850718	9.445677279	5.836807001
5.878413724	1.746437776	0.991261596	10.88475262	9.265037926	10.04841843	8.353194787
1.663483261	6.485225387	1.926573769	30.74620149	6.930192751	9.632247745	2.749739158
3.157557423	1.697729679	0.456355555	10.42896318	4.439463766	6.11052867	4.039671673
7.004254255	1.389702204	0.646456287	8.029020208	7.553904995	9.378638152	6.082134957
3.508579947	1.501074755	0.32144722	7.509358262	4.333207062	5.009835974	3.837957739

4.150553917	2.486371921	1.584789312	25.05177184	5.846046294	8.564982193	4.02216499
4.057970557	1.702760913	0.607665254	9.675279175	6.417192657	7.414999216	5.22638883
4.368305718	1.84746786	0.956146154	16.41285389	6.326016589	8.610240035	5.490156208
3.481212751	2.386617777	1.247240988	21.57187478	5.341280502	7.793424771	2.567717693
3.163502944	1.530438792	0.337027603	8.179011726	4.311518971	4.700473355	3.966163735
3.087281884	1.648715119	0.320175413	8.831505495	3.617057545	3.946243628	3.183621183
5.806829069	1.984880759	1.310147947	13.78905353	9.589310004	12.25524537	6.252011594
4.419376179	2.274695787	1.374469819	19.41692016	6.808535408	8.893284522	5.323588256
3.572914206	1.613981352	0.450915842	10.10524383	4.436255138	5.389905955	3.287862594
4.200678168	1.28728124	0.212036405	4.777804737	4.560352183	5.062621618	4.332725346
4.39492416	1.295111627	0.330726079	6.942686128	4.960570142	6.789995864	4.284748935
3.444861187	2.003789835	0.69626836	15.33131348	5.143324147	6.623165617	4.616098046
3.228396655	1.510771486	0.590095746	16.28506561	4.225176607	5.042022832	3.697138569
2.868782372	1.431332859	0.22978626	6.233293263	3.84519477	4.265883798	3.626632167
5.053924443	1.654180057	0.848160974	12.90843952	7.283046762	9.14980753	5.673645773
2.999671775	1.996836789	0.62999586	13.63696168	4.709381468	6.360970607	4.128845441
4.040456035	2.278564278	0.996618166	14.75581055	6.711324697	11.73314319	5.095698869
3.886069948	2.187690571	0.938715197	14.0111262	6.76918271	9.645141305	4.481041642
3.256746095	3.37885768	2.1942594	36.39032003	5.782260575	10.90579459	2.94822623
4.941093772	1.308668022	0.308941077	5.337416195	5.63967192	6.532835777	4.26851149
7.033852803	1.390690817	0.554668946	6.687586016	8.069150854	9.371742897	6.54070459
4.003541313	1.497367283	0.370678497	7.897051057	4.864095368	5.601379338	4.502483484
3.407080527	1.677280715	0.418841814	9.368136964	4.490330809	4.974739444	4.324520697
3.972896559	2.022673811	0.872434164	14.73782348	6.053966742	7.693032577	5.069687668
6.800951682	1.461198384	0.650461938	7.311447768	8.952124644	10.28715785	7.66571118
3.648384728	1.557331485	0.390933238	8.600848274	4.683615219	5.486278585	4.302158168
2.481631022	2.646513111	0.834964668	16.73104199	4.797429436	7.472632479	3.4329073
5.548581713	1.341142545	0.481180053	7.616633512	6.290253972	7.866189275	4.73332752
5.125042071	1.807630591	0.97151242	13.349573	7.814321837	9.844869019	6.734148217
5.720481259	1.646648761	0.916344175	11.23909461	7.899339658	9.130648719	6.275387222
4.755749298	1.51651722	0.606334276	10.46990088	6.191025907	9.82075988	5.037700278
4.600942148	1.584980825	0.660267528	11.19512244	5.961138141	7.274688536	4.436272432
6.210619147	1.46029532	0.590370089	7.761828547	7.736078646	9.662368815	5.367488859
4.412838586	1.553798195	0.614540066	10.88627737	5.481075703	9.595437398	4.750563317
6.977918262	1.429744723	0.673032654	8.43723097	7.703891218	8.475083257	5.578708684
5.387292929	1.414360386	0.587202319	9.403118148	6.551226616	7.292643673	5.879997151
2.629505752	2.747228115	1.220074802	30.16228259	5.419538583	7.345331334	4.661861423
4.515965357	2.102278069	1.138683546	17.05327001	6.25349049	8.482466878	2.108873141
4.675300013	1.726692848	0.622003055	9.182360752	7.245390058	8.891734904	5.509273812
3.77708263	2.296745069	1.137099308	20.38384399	4.824257115	8.00023801	2.867978461
3.801635536	1.940921181	0.760556295	15.08080844	4.900586804	5.953014488	4.414374183
8.371323374	1.269880759	0.65952355	7.077387146	8.946990019	10.56279078	7.846100923
3.711783338	1.365186244	0.241671428	5.94461414	4.12778679	4.599420943	3.963191815
2.026431961	2.944332692	0.602609901	15.70351235	3.811153886	4.289207193	3.733903529
4.98453653	1.463423054	0.559895423	10.09777962	5.423216067	6.961920559	4.703261168
5.783534497	1.606375557	0.707736843	8.230858076	8.750186233	9.905093003	6.34660357
6.165752521	1.429185992	0.518083379	6.398625512	8.264195375	9.368438678	6.636118713

6.315584895	1.647267776	0.865610592	9.05361234	9.803757203	10.91076157	8.650048289
5.228108311	1.359436111	0.512933341	8.414563399	5.977379127	7.142839275	4.583979814
5.146863055	1.635041409	0.767886518	10.86103002	7.15133168	10.21376385	5.556690764
3.839811515	1.314224841	0.25091804	5.847002941	4.246632745	4.678334012	3.703330672
6.020371733	1.581740076	0.667427894	8.229913081	7.970503653	10.3956173	6.024320293
4.710138011	1.582352625	0.620182618	10.15563665	5.885637222	7.733337096	4.176034956
6.108864673	1.390545737	0.485256973	6.963439809	6.814275022	8.639883966	4.577579552
5.469927235	1.42635687	0.474246953	7.240712587	6.558640104	7.548276112	5.427839153
6.8227596	1.267234648	0.458776767	5.792291006	7.601934045	9.76895116	5.394849274
6.714734541	1.333626975	0.591166439	7.40967917	7.746953238	8.601970191	6.200231205
5.801658261	1.920741593	1.186070343	15.34329995	7.948537212	11.43576301	3.362601489
7.744693331	1.332007703	0.584337864	6.764758895	8.706353086	11.23306109	6.775819262
2.123028966	4.630931884	1.983649886	37.11766664	6.794542021	10.33930542	5.390190536
4.254811672	1.166199581	0.13988979	3.098649679	4.538411614	6.560940844	4.229613479
4.52797351	1.175400091	0.167470894	3.492148877	4.827029768	5.452932546	4.647440399
3.77332317	1.984199734	0.860661941	15.04559145	6.186295312	8.798377415	4.5493565
4.004052332	1.378288934	0.372501492	8.255021386	4.528523207	5.540705643	4.000695591
4.573657436	1.471465739	0.531463265	9.322503797	5.614890755	7.172691425	4.231777033
7.000949868	1.492024834	0.7600641	8.743652421	8.969304786	11.76718621	4.959810724
4.103885812	1.282852339	0.347290088	7.480148849	4.367855747	5.639357603	3.954434659
3.485126281	2.259459431	1.137900706	20.3823019	5.004794432	8.149561487	3.009998826
3.694955102	2.06798884	1.109518547	20.03810439	5.772860133	8.896080669	4.082762183
3.519723145	1.520149096	0.391635684	8.993548101	4.313193414	4.889840876	3.962340876
4.497538647	1.941526458	0.823885122	16.42718914	4.991599045	7.123778255	4.609010386
4.68866893	1.554220312	0.729181564	12.41349089	5.535989222	6.99794486	4.555474482
3.545115252	1.810883384	0.779463861	17.80219723	4.178799059	5.252988651	4.018178416
3.899502723	1.352040871	0.245166323	5.283835465	4.709463594	5.743417841	4.226744074
4.8634412	1.413993468	0.679066939	11.23384089	5.462071701	7.388351876	3.755729185
3.374700326	1.7443889	0.529341892	11.62529669	4.474440317	6.535889965	3.983235083
5.022789964	1.378847376	0.402901154	7.057516539	5.733172013	6.890765597	4.84638392
5.15094188	1.385234812	0.398367417	6.577759696	6.235602499	7.675428152	4.737933949
7.786254041	1.323595446	0.567913765	6.361665304	8.680512968	10.12741022	6.147865936
5.776208209	1.638484064	0.71601462	9.16963968	7.7486587	9.647443898	5.080305195
4.563365767	1.270163849	0.255411604	4.767761687	5.401437808	6.212567698	4.952656537
8.845716801	1.236106767	0.52227996	5.301480592	9.968156013	11.33161575	9.010450699
3.479795762	2.750176826	1.114834385	25.81183791	4.483775083	9.942544122	3.806613074
8.845721943	1.601876792	1.373897876	11.49518461	10.74536991	12.14592835	8.418738485
7.879347056	1.407542497	0.756515163	7.562815906	10.10801248	10.95261881	8.826581133
3.688588483	2.519284806	1.229676293	17.48841407	6.941199907	9.074271575	4.044822451
6.321450495	1.274904293	0.386884213	5.433926124	7.169069845	8.372383157	5.742291451
4.683955422	1.564123744	0.650846367	11.11866337	5.836219021	8.320908008	5.210601737
4.085457094	2.024066617	0.742936271	11.42879515	6.404511576	8.425569642	4.535326169
3.599607413	2.12279673	0.990392984	19.01921777	4.630081796	7.269603895	3.433240965
5.177105636	1.353695303	0.372618154	6.419328678	5.928329583	6.680876234	5.0327605
3.441994608	1.348460001	0.250450794	6.542841754	3.892590693	4.397668416	3.674996183
2.136412982	3.003433291	0.727012948	22.3383187	3.277690731	3.473133883	3.125071357
3.37234627	1.773892624	0.6428327	16.23134232	3.882079874	4.472415942	3.529634534

4.422040002	2.332350392	1.109610284	12.98053489	8.637067147	11.29755584	4.66708525
3.464474669	1.248723663	0.190310203	4.91127418	3.910597154	4.283830861	3.582357036
3.199095183	1.650758262	0.458317477	11.0593916	3.996705535	4.798817936	3.432814065
2.810275161	2.013395358	0.609361035	15.41133684	4.027818682	5.601116586	3.794171483
4.272404483	1.218354728	0.19022323	4.079070098	4.756910932	5.486006641	4.515159135
3.356842959	2.022995387	0.800390722	18.31265589	4.148101641	6.293697055	3.715159224
3.785992229	1.309875646	0.247475317	6.066651392	4.051601375	4.518509045	3.901177531
2.776298509	2.951986972	1.380447483	25.45596439	5.461560793	7.017710143	4.861955841
3.35858783	1.580541535	0.486706389	11.75042827	4.211615508	4.862363874	3.689394988
5.781461825	1.412119569	0.514169256	6.918177907	7.668766577	9.031902933	5.719810912
7.290455762	1.290398909	0.440609315	5.550199322	7.880228937	8.837423056	6.160112619
5.545284846	1.513801849	0.534966586	8.114389228	6.215395908	7.47522261	5.230427654
3.956264359	1.435023942	0.299228849	6.241664456	4.824516166	5.377098812	4.593430049
2.697083963	1.707032524	0.502894214	13.34832841	3.986174199	4.301321137	3.843672948
1.220292465	5.041687544	1.580361944	47.27629202	5.124917274	5.977273166	4.864539498
2.419887971	3.088358024	1.095371952	22.63006193	5.288995856	9.150530214	3.891599741
2.275757103	2.318522617	1.005185559	29.69685279	4.684121762	8.508352181	4.251041214
2.562103776	2.958318036	1.32080817	33.0018538	4.788696116	5.862919556	4.320713754
6.47635887	1.185915142	0.313222565	4.315283558	7.110873939	7.659235873	6.150315667
6.098082744	1.219266277	0.29590304	4.334717147	6.667155302	7.491409716	5.59304474
6.372251731	1.225558348	0.442686385	6.30139074	6.852829935	7.454408549	6.053190657
6.085618402	1.65665752	0.742631936	10.51336713	6.890359689	9.67455163	5.428323075
6.484129677	1.274520966	0.393053903	5.331345502	7.616865053	8.758058696	5.981697779
3.573569932	1.225215068	0.147456775	3.813280916	4.045673872	6.536861781	3.048487208
5.486710609	1.576528433	0.864466454	12.24795238	7.012410433	8.553702831	4.387981087
5.235191994	2.206488686	1.483526285	18.33257144	7.130945535	11.41110517	3.525559183
4.478275444	2.353481598	1.287064216	17.82588582	6.734573043	9.941861252	4.109312384
4.243277862	1.514743158	0.438062635	7.794457806	5.852868127	12.76547231	4.793926889
6.406476525	1.885170916	1.061722856	11.01020442	9.50004891	11.1571935	5.21308591
3.730807304	2.225537743	1.609682834	24.5498534	6.442385114	8.101577486	3.422640615
5.058863718	1.591466782	0.593828986	8.448503523	6.544007996	8.028622059	4.813316761
5.538484719	1.460235532	0.459504612	6.804492693	6.484395456	7.17149983	5.439611956
5.625409662	1.327377199	0.486930628	7.357354975	6.661836386	7.866509815	6.094857707
5.217678574	1.765532561	0.880710856	11.00783314	7.889268928	10.25577291	4.697121874
5.352309604	1.339192245	0.471453738	7.573206338	6.376962322	7.757373048	4.632595059
5.870338024	1.477223709	0.563590187	7.28463626	7.763610739	9.208826851	5.600192167
6.075369405	1.335725015	0.583828281	8.063077835	7.07029057	8.471913084	5.337622904
3.973631528	1.978923595	0.832279115	13.99438554	6.26114186	8.835700703	4.70557514
4.537136074	1.643380161	0.602893305	9.528269259	6.370391065	7.873358004	5.595900309
6.488356225	1.222796554	0.374014766	5.381566494	6.966697824	8.153461406	5.788592312
4.958841392	1.426981386	0.582825857	9.52749863	6.169841584	7.738999761	4.6094345
7.151911111	1.656895332	1.001609232	11.94749893	7.735935051	10.24150268	5.28280088
6.651053742	1.192616389	0.333088256	4.453727551	7.189578366	8.317510815	5.879354532
4.163161962	1.522991551	0.553586937	11.40175019	4.823400812	6.440652448	3.806907406
3.879906111	1.417165996	0.285243421	6.612525786	4.309400721	4.866720069	4.100984906
2.918067749	2.837352607	1.114044625	16.98621965	6.728507089	8.910346765	3.524038352
2.87676795	2.867883225	1.224543917	20.6885901	6.057340195	7.840867194	3.510105392

2.787229455	1.512579621	0.23610615	6.301327	3.770510888	4.239917164	3.463138017
5.863297123	1.328715028	0.392495707	5.520775798	7.178302876	7.788648128	6.546135051
6.534310209	1.242879198	0.349782848	4.608049214	7.59231907	8.34837612	6.453277891
4.754638988	1.81732417	0.953823867	12.82556786	7.924871799	9.383492028	6.986187643
3.258591839	1.310291563	0.190026351	5.196054331	3.645345391	4.720821857	3.349705956
5.216543319	1.596069785	0.807368901	11.78819445	7.384121691	9.974211951	5.834553256
3.022662151	1.410280764	0.232703298	6.33488969	3.629121725	3.832817877	3.054417223
4.084298728	1.83970454	0.713629224	11.10467376	6.678985414	8.341762978	4.458090976
2.794971205	1.419570456	0.266192481	8.315501078	3.121682107	3.427000991	2.733061306
3.169048001	1.866332067	0.764408827	17.48256215	5.424363886	7.916477232	4.471037073
2.920244227	2.416610831	1.407078022	29.56371554	6.176495343	11.79902013	4.2997155
2.560881721	2.760445978	1.138724931	28.71204905	5.520965634	10.35992539	4.805938584
3.502801	1.831637796	1.011494284	21.80751271	6.010708762	11.70174336	5.114350582
3.43116411	1.574741872	0.339124419	7.177438029	4.969686099	6.534832113	4.71334183
7.270553783	1.316662908	0.586743359	6.926562402	8.097964286	10.16683317	5.498774601
4.634244499	2.729319582	1.771923389	19.38104999	8.166348924	12.37345882	4.031347713
4.341628465	1.729437846	0.572699475	11.47387126	4.94020521	5.724958411	4.645679374
3.243223225	3.369698163	1.695608678	25.58271667	6.106949804	12.28941521	3.864556497
5.283283011	1.294119103	0.35289641	5.856906404	5.95733144	6.859421667	5.35513145
5.831403124	1.748590546	0.977911755	10.84691631	9.482633984	10.798866	7.922268216
5.987086666	1.754186811	1.207785402	14.98897196	7.501775708	10.76414922	4.987494204
3.387252416	1.816172776	0.495374153	10.96858926	4.532952248	5.788552784	4.11111174
6.970139378	1.36789796	0.606590546	7.093483139	8.628390981	10.55232969	6.675769893
7.19819257	1.271902707	0.521845606	6.669723425	7.673416981	9.004293825	5.640628627
5.830680131	1.591849799	0.705936427	8.476149284	8.197731246	9.211380601	6.463583397
8.519783872	1.26612097	0.58222497	5.998110788	9.535212805	10.77337223	8.465643387
6.041846816	1.573005074	0.794295435	9.938107397	7.653213644	8.57621999	5.408897289
3.817973052	1.228191481	0.172831782	4.104797961	4.266023371	4.609688419	3.999268337
3.107811799	1.714833394	0.436659894	10.34441232	4.518014666	5.377554626	3.800398222
3.589559036	1.476972214	0.270469715	6.637099346	4.08843619	4.750236923	3.586952641
4.384011463	1.968640422	0.868534931	12.42876492	7.279124679	8.776768349	5.691554184
2.275089122	2.765908453	0.885963538	21.81351692	4.16245253	7.683626996	3.72041056
5.476390817	1.170720848	0.21408827	3.630698668	5.952300482	6.557177416	5.160883293
2.472040821	3.250208198	1.493218634	32.77532959	6.387719759	10.29446913	4.579362093
3.538560951	2.274620344	1.147152655	20.15916241	6.68514881	11.0692	4.598639962
3.862155653	1.375753321	0.244419162	5.677448374	4.332502897	5.016419268	3.997694822
3.325316276	1.233704702	0.143937978	3.80383655	3.858974668	4.411702666	3.717263758
3.832452581	1.423021328	0.288244926	6.919225524	4.154121531	4.623233924	3.891088084
5.034520746	1.585048603	0.645667012	9.541185358	6.486388988	7.930466041	5.208485136
7.213557943	1.449730406	0.739984514	8.097824713	8.847120492	10.60906417	6.835274682
6.019705912	1.228487402	0.296409891	4.464584972	6.680598428	7.922852428	5.718058897
7.381933093	1.320095689	0.605457232	6.93863349	8.700371771	10.37173225	7.308200297
3.191969873	2.243342976	1.099943679	22.38591573	6.00931413	9.716621512	5.287217077
5.601611958	1.434279365	0.498438538	7.776386713	6.189611848	7.26349276	5.643428249
7.489871801	1.35902856	0.588543007	6.45955652	9.226024895	11.42502017	7.569908362
4.469872188	1.405976738	0.357508029	6.751540951	5.066937853	5.707094839	4.392814601
3.572645983	2.551970797	1.424644948	22.0336116	5.57648549	8.0736016	3.180327423

4.030489579	1.402671236	0.330834283	7.746585305	4.496733262	5.174241853	4.218332908
3.456214692	1.466054961	0.282850034	6.845818534	4.176502878	5.001197224	3.656041446
4.402858291	1.711686305	0.618167428	12.0224837	5.095308829	6.862442852	4.117383447
7.104802163	1.845754367	1.877535414	18.45644314	8.372306387	9.80250099	6.250397193
8.953354754	1.267691683	0.536607151	5.465932022	9.799030574	10.96681034	8.410979976
5.278500878	1.383010427	0.470093353	7.517244882	5.740822348	7.709025239	3.804049948
6.559950424	1.192491631	0.363704741	4.93339842	7.222973145	8.232338899	5.408110028
8.415641799	1.311312027	0.680385117	6.991134064	9.783635597	10.75041618	9.141513041
4.849682939	1.31830392	0.399137774	6.897238693	5.821512233	6.552046494	5.12093263
4.969268444	1.354651439	0.428613929	7.19360088	5.936263724	6.868064605	5.254796047
4.726052896	1.676566168	0.688080923	10.73756792	6.005226229	8.125562838	3.878855736
4.816805825	2.161911095	1.350267125	17.60147681	8.314121099	12.32061983	5.124303622
7.427077185	1.461793581	0.948604909	10.0754472	9.122809634	10.49303406	7.141966127
3.783280425	1.2790992	0.244552456	6.08227048	4.114272458	5.397756907	3.877125131
2.598934866	2.618716272	0.883074233	16.71445108	5.725910717	7.452845655	5.278604986
5.793382174	2.056713969	1.624868516	19.97927152	9.122789424	13.13936431	6.890172879
5.797553155	1.661030388	1.109232075	15.25418513	7.464503487	9.977351739	5.522378128
6.448268336	1.987217995	1.71151056	18.54680808	10.19792484	13.58522247	7.320035392
6.293887223	1.508635614	0.788806595	10.25665729	8.325568591	10.30434833	7.067639113
5.872639887	1.386334974	0.532410381	7.959310926	6.257879914	7.531626619	4.795800966
4.754494664	1.443860082	0.462491656	8.132075272	5.591636066	6.298695012	4.615413227
3.765986934	2.271741207	0.942579126	16.1919398	5.717508175	6.995921916	5.154289008
7.46679207	1.231951275	0.500586751	5.946744338	8.118073837	9.408962275	6.808808588
6.053136468	1.574157559	0.707583054	9.425990995	7.096009127	8.51624284	3.468999367
3.143323118	1.576234112	0.326973604	8.054470737	4.099271511	8.403096349	3.669482228
4.365806147	1.648560797	0.711980448	12.54891951	6.304286645	7.615652709	5.175179564
2.393955742	2.745969192	1.190271613	27.64513054	5.21266188	8.866759481	3.759758033
3.393001598	2.284192226	1.182620347	22.20757192	6.759555542	9.740447557	5.002967917
5.119025789	1.496925745	0.486762923	7.122999349	6.916129113	8.601910169	5.60269944
5.494316173	1.580853756	0.937326797	13.53734769	6.726885293	8.256864752	5.212743719
4.394751504	1.530503924	0.620301567	12.55100872	5.080255249	7.207342674	4.506851707
2.587834101	2.427390154	0.86678603	22.6559108	3.547357486	4.005158148	3.112403019
3.301643368	1.872067041	0.833692175	17.75194982	4.681019134	6.101377075	4.312280509
3.276614387	1.426387115	0.357606485	9.783224733	3.645879734	4.148582369	3.470561406
3.584545203	1.473890613	0.313542248	7.452380852	4.259444706	4.892309284	3.725723437
7.453106749	1.22812906	0.458344374	5.410741442	8.222608656	9.785562617	6.830677435
7.6126779	1.303724144	0.525899763	5.898371918	9.055419676	9.994510601	6.938523395
6.6629968	1.18292428	0.339603962	4.598348797	7.236931663	8.061491631	6.132081639
5.573586633	1.506028576	0.672565762	9.328183528	7.316511658	8.330294852	6.010866623
7.209637497	1.208952234	0.337508123	4.226880575	7.753392733	9.812314702	6.049074337
7.369011681	1.240732503	0.421033153	5.038950689	8.125993494	9.587946333	6.984891187
8.695683611	1.241033769	0.389190182	3.816706532	10.02442377	10.76048392	8.905460159
6.82821784	1.307685077	0.462899975	6.12015222	7.291620306	8.025134587	6.39935695
3.589694156	1.39832667	0.256504983	5.995421189	4.4175839	5.892967617	4.148879438
3.148584771	2.143787283	0.801669541	22.3632233	3.860103742	6.623785733	2.929190928
2.656082344	1.758103305	0.315606481	7.971385959	4.074566034	5.350447546	3.568536426
4.264541752	1.36824755	0.440807969	9.129028939	4.960581306	6.249774771	3.56716091

3.274563182	2.08339638	0.863037474	21.78695075	4.205860169	5.031078158	3.835638479
3.588997519	1.684143479	0.484243606	9.810132782	5.072700825	6.681930714	4.459038107
4.131794361	2.013600219	1.08888521	20.43778513	5.752758832	7.50256557	5.447626658
4.265945885	1.552192508	0.539821759	10.74482582	5.061046279	5.858342192	4.629649559
3.537498259	1.675613623	0.524902893	12.36938334	4.226197229	4.793325627	3.851309632
3.093870901	2.678694566	1.622196904	33.69517268	5.071706872	9.685294769	4.222183001
1.710797499	5.634434786	2.21321115	44.37818358	5.270108326	7.828534452	4.308191701
1.260462711	5.248654418	0.790297093	19.43593823	4.27896852	4.671309067	3.661013672
4.19996973	1.351796941	0.363360083	7.525773542	4.832016064	6.075331336	4.502085411
3.13242131	1.836820062	0.706096163	16.48825628	4.139350018	4.891741627	3.808871844
6.13968404	1.556744962	0.801844763	10.49400513	7.141376105	8.939729857	4.598906643
3.360557598	1.364206255	0.261041861	6.937165412	3.756234122	4.477003526	3.453850466
2.581906803	3.996990788	1.833170199	35.43949101	4.979311994	7.926306201	3.168348158
3.851104068	2.9063056	2.205237981	29.13781294	6.414458747	9.805807842	3.872148543
5.550092023	1.305302674	0.341115779	5.354347638	6.508394573	7.330583922	5.861650482
4.996803353	1.302736826	0.36533827	6.553204589	5.628202636	6.413246116	4.878919373
4.548326069	1.238425042	0.178270992	3.535318853	5.08171092	5.3413517	4.840782145
5.01067423	1.466735117	0.518674282	8.220235207	6.840738866	8.488707446	5.300922554
4.791699737	1.529364309	0.521190752	8.364137526	6.270504085	7.141452652	5.232478115
4.513057921	1.300453366	0.270987656	5.458201241	4.924112561	5.717554939	4.525734018
2.947800745	2.354512023	0.937703842	22.56297492	5.141585954	6.707948766	4.163412815
3.754838461	1.455643878	0.331773232	7.857330835	4.236555646	4.623264275	4.067944706
5.407680297	1.272006223	0.344065469	5.55789439	6.144595638	6.782485753	5.534278329
6.15586339	1.24925732	0.371612535	5.490235471	6.717126591	7.610268938	5.977951763
5.110784087	1.713106513	0.883362369	11.33836847	7.142596348	8.458021291	5.58619699
7.654950185	1.357383578	0.636183491	6.899658488	9.093672973	10.41513054	7.643168263
3.601043323	1.086717806	0.066480769	1.790159791	3.752568504	4.256980126	3.511089328
3.209163799	1.838721098	0.937422748	22.97620229	5.16770562	9.539387008	4.635799378
4.054218642	2.095473429	1.345066883	24.24381273	5.237247456	9.839066559	3.425032509
5.127467466	1.582733464	0.701530598	11.04386337	6.005844346	6.837049374	4.711925257
3.321320483	2.308524682	0.787378888	16.86305593	4.962015504	5.709166773	4.773604903
2.935955605	1.90180729	0.833529775	23.67881382	3.772012756	4.350779028	3.492163233
4.128387075	1.519793026	0.463567026	8.444782795	5.463224346	7.48553316	4.043784423
5.914653893	1.52482418	0.75484519	10.03562382	6.934121036	8.024310892	4.886529685
6.892279732	1.443227246	0.751598414	8.467256437	8.902918982	10.30821167	6.407207839
6.406763742	1.631859744	1.073240993	12.15727723	9.10910712	11.23172955	6.851163722
5.101943798	1.464518311	0.552660348	9.140671856	6.135171385	6.917894071	5.278484151
6.468315722	1.244314975	0.410927483	5.666645182	7.110920927	8.413893441	5.29775317
2.680869763	2.649816711	0.8237521	14.35599089	5.828680839	6.857211318	4.925940375
6.853648032	1.578137936	0.84716447	8.82523637	9.479864263	10.57188261	6.943751296
5.724915693	1.552317861	0.838748928	11.27003374	8.108758552	8.926674011	6.547722599
5.306615048	1.287614563	0.420299695	6.839890172	6.087390569	6.890443192	5.025884193
5.383556606	1.404905055	0.438758967	7.172056963	6.065654374	6.775114211	5.163641528
4.22883904	1.253088437	0.244802673	5.474137954	4.45100864	5.076885993	4.165096564
3.34810938	1.287482569	0.180101406	4.549452417	4.041953144	5.409192195	3.766174293
3.27221813	1.385418893	0.261501135	6.645308265	4.009103588	4.166593318	3.91778188
2.554559806	2.354308086	0.789708299	17.45251875	4.848881803	7.88925673	3.414729334

2.91091585	1.248929685	0.145005791	4.464192797	3.415710699	3.689413299	3.296102186
3.698015866	1.570568537	0.443700774	9.654139499	4.530084882	7.93759943	4.045197092
3.874738179	1.430970152	0.361170921	8.127605095	4.483539658	5.065301035	4.119160013
4.434431083	1.248384988	0.251637831	5.337540636	4.768365128	5.421120629	4.519058918
3.440857951	2.078358031	1.019353993	20.25194984	5.600649891	7.651233358	4.067061702
4.277150338	1.271723836	0.265129832	5.434598148	4.940329103	9.118947382	4.257652109
2.498877293	2.200631543	0.520654805	14.70246666	3.523362141	3.96918022	2.714276159
6.570962517	1.699717435	0.993102794	11.14715701	8.812633505	10.08127011	6.954425737
3.310305799	2.247052986	1.033206667	24.72746258	4.401357354	6.681667442	3.871072325
4.27485687	1.469693218	0.386715539	7.209038708	5.31862659	5.897171881	4.615816247
3.4414014	2.265472662	1.132848883	20.2937273	6.48502004	9.802556505	5.020569972
4.366837382	2.098076243	1.083327867	14.48916318	7.120925469	9.164129248	4.196107452
4.547162033	1.860291279	0.896371527	13.269967	7.19666366	9.108082606	5.251083433
4.597876106	1.64547902	0.879502866	14.93974385	6.927086642	12.10600949	4.621209758
6.30933336	2.005343945	1.438233411	14.88122376	8.9418055	10.66493162	6.152739994
5.38425986	2.131697658	1.254613358	13.56407887	8.735354943	10.25646027	6.991570121
4.659121865	2.526899166	1.432098217	14.98136962	9.181402422	10.77178421	6.482083473
6.717449446	1.732013261	1.320635259	13.92103053	7.95218405	9.393780301	6.073238298
5.429005342	1.542103158	0.726605391	10.51395983	6.869405627	7.871579824	5.784364801
6.140444224	1.489471579	0.587273836	7.675165608	7.669107874	9.707744891	6.77145201
4.744870743	2.022284639	1.020029878	15.24998803	6.848368027	9.033763767	4.754583047
5.607794512	1.443673538	0.656945959	10.02799421	6.787530989	8.866217472	5.772924375
6.608991186	1.268969635	0.411946465	5.398029332	7.710355137	8.932017874	5.427105306
5.972891375	1.452837797	0.5665385	7.92327445	7.162645542	8.516165523	5.741925572
5.688600049	1.22583418	0.330185938	5.168842578	6.395338323	7.594423836	5.617907306
3.894634071	1.65513277	0.503137502	9.522971929	5.232055355	6.145581853	4.910477265
3.47559299	3.024128618	1.935381342	27.24324234	6.627891889	10.42853378	3.757012273
3.532957932	3.204788924	1.852468032	25.28946401	8.021652846	14.02860806	4.500992175
4.51263808	1.763817673	0.866582466	13.11328008	6.904693977	10.72084931	4.063318161
5.258086674	1.3300136	0.453732335	7.56535831	6.527702403	9.338058547	4.839553893
4.345719622	1.773338912	0.8624618	14.46536332	6.442332499	10.49344909	4.968833829
4.932675402	1.885369626	1.222333677	16.9392634	7.7428116	13.45866197	3.993089298
4.530913405	1.875896728	1.149217082	17.9845339	6.974541247	12.09559505	5.506271916
4.440070426	1.649911661	0.670647172	10.41984945	6.432323916	7.356863528	5.22318336
2.475708349	1.863904947	0.496321268	13.48266205	4.352873961	8.43961591	3.856311263
6.370977612	1.300764014	0.520129236	6.931007056	7.751405417	9.273713417	5.878485454
7.621075953	1.326600716	0.58136035	6.418273854	9.126764477	10.35807513	7.878383091
4.826962197	1.777013868	0.942638156	13.98817859	6.580673627	9.101817373	5.216996499
7.415685363	1.422100336	0.761415487	8.375773568	8.839692975	9.818251659	7.628275949
4.679586785	2.204466661	1.363747171	22.46625075	6.021086798	8.055912602	4.6201037
4.257921586	1.759552535	0.724596299	11.54397149	6.072430002	7.876823188	4.01381232
6.168116452	1.336282809	0.478715892	6.458708316	7.283204934	8.744987005	5.764641166
3.501901369	1.26071973	0.240107637	6.406252277	3.689885128	4.567351747	3.521645235
2.196622766	4.425348493	1.558704178	22.88392405	6.679303682	11.88304023	4.044356324
5.831811139	1.836968624	1.274113573	15.64592602	8.006421996	11.68077129	4.383755851
5.275423082	2.074252519	1.431238075	18.12590405	7.622103661	10.69284034	5.549099485
3.576911042	3.298944462	2.204289184	30.26778247	7.723344664	13.24549703	5.159256819

3.996107454	3.012096081	1.842236325	20.6327275	8.719113475	12.09339488	5.764935901
5.023386948	1.140746531	0.133995228	2.480940185	5.421048271	5.770968763	5.118385005
2.295896566	5.339140119	2.879744062	50.43767691	6.789849303	15.58958719	3.22189954
2.286342566	2.38187178	0.631118157	14.45103781	4.52967845	5.515500568	4.152697673
3.025623646	4.42231721	2.884655976	37.82801945	5.880111752	12.13092497	2.809563408
7.285409657	1.307461852	0.517649237	6.280944214	8.03020534	8.630963858	7.024794743
5.457521639	1.275042151	0.379659392	6.203525748	5.9541471	7.422324042	4.444471936
2.478763407	1.994677887	0.5811809	16.75682316	4.140032211	5.369003719	3.466512027
3.332753651	2.061273841	0.983128096	22.85542872	5.875909426	8.882975881	5.324231016
5.271955613	1.467049044	0.599880876	8.909647534	6.629344372	8.039729332	5.089335574
3.456237934	2.172626311	1.11629888	22.39446506	5.586305954	8.782331656	4.302868589
3.545029056	2.273976643	1.089419447	23.61643538	5.166576401	7.470538324	4.305979519
3.513745814	1.835882961	0.684865486	15.9574138	4.869590014	6.397429767	4.606177145
3.532677346	2.367558569	1.230156079	22.44539416	6.389951915	10.87870885	5.132665714
3.66024185	2.098122422	1.128482935	22.69784558	6.124530595	10.64736197	4.41963035
4.04364156	2.192142149	1.204513423	20.42245745	6.923952123	10.18033727	5.343903725
3.167915436	1.519844416	0.267547031	6.777086541	4.006077422	4.413306143	3.819930621
2.418814619	3.58766728	1.681387816	39.72342333	5.516695713	7.586638239	4.533984935
6.385379939	1.242932944	0.362751573	5.052436171	6.787037459	7.951172769	5.927060444
1.756862091	3.488396746	1.149686008	29.52697962	4.646421298	8.96970181	2.944132379
2.28875401	3.421324428	1.852555709	42.62501831	6.088309992	12.74702161	4.742747216
1.427542724	5.766720614	1.978339373	45.4737626	5.933440432	11.29931279	4.078183582
3.729553975	2.065951047	0.987569999	17.22978363	6.794812206	11.41393038	5.093594732
4.020415011	1.924467509	0.908226188	13.53479123	6.970467428	8.640750187	4.914865362
3.791277105	1.297326311	0.296267948	7.304138676	4.463678753	5.341921869	4.339004744
5.006883743	1.55162112	0.722479878	11.23668886	5.886223973	7.337535517	4.366088407
2.529115437	2.127228931	0.517717057	12.88780008	4.012333888	4.338611629	3.798381901
2.40802676	3.371305744	1.118452815	30.33643254	3.995933644	4.845277939	3.642834576
4.270194366	1.368448785	0.252255818	5.260016811	5.021751822	7.324582434	4.268002448
4.317510215	1.933110155	0.920135738	12.96882467	7.24823061	8.525349978	4.885037371
2.699708738	2.303999455	0.982782221	26.90600647	4.436747979	7.475359624	3.091479696
3.023772857	2.9713188	1.516078267	25.20835295	6.334272184	7.878242928	3.770593996
3.355049741	2.110967745	1.152038472	24.05095496	5.920756288	8.949093825	4.865241986
4.497526485	1.295299193	0.278439099	5.586681212	5.256267982	7.50662797	4.743421871
1.818287906	4.42987716	1.947816804	43.44206809	5.4812627	9.65067701	3.583722297
5.370423097	1.339523252	0.337532244	5.727157236	5.770348401	6.395608017	5.174020971
7.141994277	1.420453231	0.821378254	9.2848231	8.760265455	9.858958577	6.880451946
6.866366944	1.231319041	0.358857612	4.809888335	7.248089755	8.4469386	5.39926249
3.060573459	3.032776649	1.53512592	22.26546108	6.503898436	9.487621269	3.479419249
4.441791083	1.92436253	0.879602488	14.76421364	6.338975013	8.27276464	4.285432058
2.96476879	1.225890462	0.138865975	4.312090725	3.21120766	3.50582169	2.786631163
2.481581075	3.507003422	1.605147339	30.10630538	5.935071274	10.10742895	4.771190754
4.722637563	1.321230566	0.364982666	6.638427482	5.492838583	6.539140769	4.647518564
3.958948656	1.934297841	0.74937766	12.33544357	5.977933673	6.848101097	5.389576236
3.897031353	1.469283512	0.356067802	7.969708623	4.555070318	4.91299771	4.364562864
1.310119988	6.519648417	1.785542856	39.58333943	5.808519981	7.586385615	4.78477159
4.445032512	2.435077017	1.458977223	18.52681222	7.498247797	10.79344932	5.098598723

1.024859313	8.022743652	2.102256717	44.65897876	6.629020359	12.35482116	4.882286263
7.14763715	1.436985423	0.585464936	7.179361832	7.787954174	9.270785951	6.516121475
5.103246198	1.229017092	0.315468996	5.630085821	5.480636081	6.660031644	4.703873649
5.2575725	1.472254682	0.579152908	9.140566499	6.251772624	7.73843243	4.382585403
3.94665896	1.617433113	0.52347654	9.832863773	5.274175822	6.117773999	4.745889677
3.88790291	1.62203228	0.505232376	10.18914068	5.391154642	7.620740219	4.746686139
5.464577086	1.422705394	0.58802692	8.819250427	6.619084837	8.529435712	4.804835932
4.498312682	1.64811052	0.726347448	11.66061703	6.398964321	9.051791808	5.336040756
2.262426167	2.4840094	0.592045685	12.98930806	4.745558505	5.172485416	4.515682535
2.874931384	1.448298867	0.328193516	8.777851064	3.96351395	4.417603491	3.794817031
3.544728984	1.57105354	0.345056228	8.764710689	3.977302487	5.969430187	3.712847279
7.754474832	1.242425775	0.418413049	4.800447552	8.660867957	11.00176197	6.952963087
5.553782974	1.358003112	0.608205215	9.517722266	6.867962274	9.436692665	5.640789215
5.117059921	1.596224582	0.626069078	9.229402777	6.916402853	8.624119166	4.37013105
5.588888867	1.286509006	0.353874932	5.896828559	5.74186629	6.753226043	4.989871254
3.587385986	2.091058061	1.043047165	18.55171899	6.699099966	10.32359856	5.237622535
6.305415812	1.349735299	0.51806067	6.950236391	7.477847923	8.911434718	5.443724293
6.298321686	1.266670203	0.538110707	7.551777721	7.30819642	8.899465836	6.03131812
3.536710213	1.698138944	0.645608249	13.95460581	4.850951551	6.570075321	4.271360897
4.11407156	1.583544989	0.472211536	9.416390488	5.394450265	6.208031729	4.987240447
4.538227258	1.920535514	0.87420039	13.99763138	6.289327081	8.489612206	3.875030924
4.027493242	1.686575973	0.737852673	12.68826888	6.580103019	8.941644869	4.805429242
4.39879105	2.115988758	1.321550825	18.03742586	6.654091156	8.356234781	4.146408054
4.299971234	2.079587922	1.085139604	15.90890371	7.141628173	10.89447706	4.096648087
2.840174526	3.300831265	1.298249861	30.97294624	4.436895093	10.51127272	2.51838552
3.720575357	2.668536134	2.082730819	28.08464606	6.906014836	10.09563687	3.926900017
2.858887255	2.870114274	1.367408912	23.77889883	6.456888863	10.14269772	4.917143183
2.948805278	2.028387536	0.471983897	10.57150443	4.448093718	5.101810325	4.077002862
5.171825062	1.751097305	1.121874076	16.08539997	7.222489265	10.68699189	5.822301523
3.084418507	1.77768993	0.830985208	19.63138302	4.92993393	9.183375455	4.222376328
3.992182493	2.262950738	1.193588018	17.92102913	7.436929802	8.644178257	4.867970388
4.74767981	1.685420283	0.719538869	12.32895673	5.460675574	7.387022745	4.629752905
5.341139448	1.566334238	0.801444382	11.57607759	6.255138261	7.53325119	5.143971073
5.660746506	1.68248056	0.882425011	11.34728794	7.891738862	9.15376967	6.001499161
3.074570353	2.278604064	1.061651557	22.7041344	5.641866474	10.17108058	4.618886155
4.023209467	1.740000598	0.816119298	16.43226268	5.649115003	6.958098583	4.754856599
5.708898281	1.832441515	0.961866717	10.17041388	9.301712027	11.09327254	6.534289442
3.751553747	1.797443576	0.533477286	10.87382977	5.227482226	6.461741724	4.893033539
5.107796973	1.474691617	0.46625877	7.299558441	6.457985447	7.150761497	5.860872336
3.964779352	1.97310827	1.035542087	19.37667994	6.439086217	9.841249618	5.412197676
4.23999088	1.728851741	0.854679321	14.13278177	5.61280558	7.551311236	4.258635287
3.836458859	1.803327452	0.657183913	13.94565391	5.047035611	5.920052757	4.458729804
4.076401574	2.146371278	0.840227437	10.70836662	8.326428593	9.688766026	7.015064322
4.85774969	1.738767321	0.799528424	11.40329671	7.0330678	9.024141775	5.761895796
4.72903995	1.931084921	0.966430659	16.43244156	6.093122374	8.426537515	4.402708514
2.846137065	2.44403676	0.764506316	17.17971328	4.851566756	7.219625029	3.574588144
4.346942115	1.095271427	0.116968626	2.622237122	4.409238784	4.798497888	3.978674503

3.236839299	1.822877151	0.568917476	13.02872198	4.264760763	4.936848487	4.087565077
4.319631914	1.242894802	0.318715178	6.997903497	4.538150584	5.218403333	4.176130439
2.779814634	2.766895308	0.779308205	16.24300405	4.867819111	5.211320159	4.652840797
3.523463186	2.605378438	1.15818475	15.09137445	7.514091726	9.349732491	5.422358455
5.803340683	1.259796109	0.363053759	5.699064525	6.300497447	7.533821606	5.66061721
3.61951185	1.861164057	0.708192836	16.96652611	4.326540869	5.448642253	3.909696519
5.553977561	1.501285796	0.757020232	10.35247254	6.626475058	8.184948502	4.528567346
4.188030037	1.92989164	0.75611259	12.0484526	6.102421771	7.624780716	4.752845248
3.494669986	2.160250595	0.853747591	13.36180936	6.376430686	7.654465425	4.823511689
6.187855183	1.416707316	0.696049863	9.282879145	6.849583614	8.017312449	5.527295403
3.447828653	2.743737792	1.442412198	33.52971337	4.77062611	5.983937763	4.293610153
4.746706089	1.524171076	0.646551758	10.56751244	6.191712198	7.841344142	4.82198153
5.574081123	1.419427171	0.547646928	7.977452546	6.930128569	7.858497323	6.031216698
3.907221894	1.699321979	0.758854925	15.15677882	5.332046853	7.469810969	4.307659532
5.537949179	1.944093871	1.418999789	16.71257231	8.301462116	11.0614843	6.078053766
5.908670127	1.745911674	1.058898076	12.29758378	8.38377569	10.35829501	5.742154966
6.293853978	1.517423113	0.707095913	8.565255822	7.912496824	8.943027796	5.62080536
4.654365551	1.73385022	0.769224584	11.22663016	6.588946662	7.878020796	5.160920654
8.073570704	1.238711259	0.426391083	4.61214312	9.242883628	10.32909221	8.304376006
3.11633457	2.596082443	0.853594955	19.66586358	4.372327196	6.13617363	3.822503199
2.624759322	1.964179468	0.577756037	13.86961752	4.474858579	6.82924479	4.11018713
2.855433636	2.835340787	0.906785391	23.39563062	3.889301183	4.541518656	3.593761401
4.073462685	1.99697248	1.052517058	21.13529972	4.798137247	7.461550838	4.353622597
3.69919248	1.914447952	0.620002446	13.94330646	4.37873729	5.301864547	4.186200064
3.380748639	1.309849782	0.201610544	5.082028765	4.078972719	5.278534013	3.569131178
4.532130782	1.5300026	0.505147858	10.24998839	4.977179476	5.619056028	4.385657923
3.985163444	1.246382701	0.204251184	4.549415137	4.557194653	4.901546549	4.239146549
2.401278355	1.90077005	0.524502449	16.47535352	3.58568018	4.128985621	2.846251984
4.301011486	1.495632519	0.47046761	9.441132559	5.095026622	6.423749568	4.641595709
3.986541224	1.627208721	0.592767618	13.44508349	4.682398531	7.238928287	4.194546499
4.021671274	1.359484981	0.319377773	7.191270134	4.460695373	4.865309734	4.307392988
2.984115849	3.014890247	1.282305448	29.59189583	4.259326506	9.052892938	3.354612489
2.70788024	1.498367578	0.330332035	9.377054602	3.65217728	4.806484052	3.2724768
4.129910575	1.07740168	0.066847791	1.561792731	4.2639408	5.080682918	3.662612636
3.248154863	2.689012855	1.289652268	20.76697329	6.162107083	8.772041025	4.098703275
2.174965847	3.355186839	0.913006979	20.98838447	4.276335954	8.542650615	3.08356067
6.109818964	1.767254981	1.455282614	16.62557791	7.442682004	10.43960202	4.750733277
4.70876386	1.4942284	0.521135029	8.659859123	5.670046653	7.374667328	4.390963853
3.437131823	2.744954283	1.472203925	24.59233118	5.384242858	7.377674869	4.526952041
3.304190103	1.78080109	0.634641325	14.2109094	4.971074495	7.303845322	4.243155588
3.716709321	1.965451952	0.69326659	14.4480971	4.845607332	5.712396613	4.570482673
4.523049342	1.422990732	0.529593324	10.06329188	5.094796178	6.127351027	4.462293614
2.630253024	3.022866506	1.692531681	37.56845044	5.731922966	10.47181257	4.504648772
3.872498713	1.127187841	0.090921706	2.204197413	4.229355015	4.799445955	4.004518313
3.533288395	1.811821101	0.640362545	13.04236896	4.887111756	5.496649022	4.448784187
2.594058043	3.246055625	1.032634996	21.19996227	5.172146534	8.126138756	4.624931306
3.653220851	2.15284937	1.183091195	20.09477257	5.937198306	8.182287671	4.029522723

5.55043867	1.862678988	1.19941984	15.4276633	7.080608388	8.866251002	3.505946271
3.465692893	1.50481922	0.407591224	9.002758773	4.610961308	5.038623514	4.089833638
4.292641524	1.155806176	0.145552819	3.178996863	4.678483783	7.033683221	4.16837318
4.056499628	1.694376357	0.758492433	13.17515179	6.025530141	7.743872694	4.132131483
3.926251282	1.680336694	0.681065203	13.43424291	5.706266548	7.447554993	4.95280876
4.576992774	1.861891906	0.770978554	15.11936675	4.830844815	5.71656386	4.463109553
6.95434239	1.240648164	0.422047425	5.24619098	7.927826543	8.740091748	7.037368445
4.005127205	2.673582254	1.516059627	28.3038656	5.315273245	9.206618067	3.900862633
5.148103007	1.350009656	0.384203887	6.587472825	5.604006617	6.881047207	4.777970044
3.746434612	1.364360943	0.289544698	6.972896758	4.262265536	5.072199648	4.086606742
3.927238471	3.500007634	2.71010302	32.26051102	6.792380836	10.61050336	2.04658854
3.76099736	2.193142231	0.84364667	17.71127297	4.759357604	6.521190741	4.273650057
2.959781581	2.390531202	0.828910878	17.84122697	5.229562534	9.450702305	4.22499634
1.927601175	3.834996451	1.214587065	38.05182911	4.218138493	7.624379658	2.596656488
3.15040618	1.593663985	0.375802146	10.54561117	3.888654025	4.317815642	3.680279055
2.623640844	1.626122999	0.384537693	10.63767657	3.747880158	4.028414569	3.529781568
1.20667735	5.391082503	1.360505085	30.36763641	5.276145302	8.836952611	3.166851331
3.902580135	1.99558536	0.854775493	16.74737112	5.423361502	6.888457343	5.040121578
5.660898338	1.419833947	0.639564229	9.28302611	6.466568429	8.414447837	4.74754206
5.691375828	1.345677958	0.433958431	6.451079348	6.659114237	7.891343157	5.108184483
7.361959131	1.244881985	0.414791408	4.930011193	8.342523155	8.947450884	7.051432263
4.271840311	2.046969139	0.891913239	12.18487702	7.581877536	8.627076694	6.028754957
5.553223557	1.370716839	0.461780352	6.896552504	6.814721671	7.778559182	5.657177259
6.629049367	1.269263356	0.418178864	5.609017594	7.289805825	8.2552674	6.205945743
4.715659901	1.863179944	0.824827341	11.95570525	6.952611713	8.191342975	5.553076024
3.539659391	1.291631099	0.271188086	6.439792108	4.51829269	4.906607457	4.252219146
2.039839298	4.27876598	1.14405217	17.41982163	6.656084148	7.376361331	4.764727511
7.921912737	1.36257222	0.709736215	7.653506739	8.977625025	10.55705834	6.396875778
7.055550383	1.353114925	0.509856864	5.89060333	8.379705078	8.970750065	7.081142016
1.829686087	2.537323363	0.545666158	15.43105384	4.130677435	4.819847588	3.654939286
0.886976572	6.767183902	1.747893655	62.4213667	4.810201299	10.10887633	3.862155919
1.868333484	3.639848362	1.015358921	25.23205822	4.641197487	5.461748521	3.525104375
2.96585592	2.036905511	0.883254849	24.66847043	4.557526086	4.918200263	4.297917487
8.275554572	1.305033535	0.673347527	6.931364723	9.272328841	10.92827175	7.155285147
3.177161352	2.599360391	1.453690692	26.31227815	5.954070106	8.906287539	3.157889827
3.916599006	1.260239392	0.216921389	5.089083697	4.534740708	6.590149713	4.240449981
3.40937894	1.673374997	0.328751537	7.614191239	4.394846191	4.8988582	4.247481138
4.071067724	1.16977629	0.155997151	3.571880408	4.452253049	4.779062444	4.040230658
3.664197906	1.411754501	0.302983287	6.819874104	4.459177245	5.276067547	4.237939216
7.668637915	1.194422156	0.335033255	3.984018425	8.287519204	9.793423977	6.907463672
2.506968537	2.923046467	1.356884228	33.02080516	4.792106398	8.320012226	4.087712781
3.957747229	1.827577078	0.882112635	16.7869437	5.630195434	7.312646553	4.131220132
3.482423128	1.789789092	0.589014343	13.05051383	4.527319558	5.481953303	4.055914946
4.155405374	1.557790266	0.652641182	12.90616644	5.767912472	9.212851555	5.233873015
4.242436895	1.443488189	0.388668481	8.34478959	5.285627887	7.534869591	4.193870056
4.22748747	1.596556618	0.672251591	12.99771063	5.413697743	6.628032493	4.516033265
3.366316318	1.471828575	0.439573165	11.09921101	4.439528379	5.004972645	3.828768688

6.510271224	1.406244852	0.651742108	8.154250432	7.631088302	9.263662263	5.877772774
5.390212387	1.860213224	1.179794451	15.11204188	7.601046756	10.95119712	2.628026314
7.311439289	1.240255084	0.511021814	6.284969956	7.967026212	10.0803374	5.682585036
7.113605359	1.397671133	0.709447714	8.251894897	8.303330674	10.33503963	5.867252843
7.000535992	1.406723874	0.744151872	8.56306653	8.505804157	10.90175391	6.415168983
6.957547198	1.440363584	0.769447024	9.071269418	8.602042842	10.69641988	7.300408671
3.433542201	1.798504196	0.562812557	11.15742166	5.339671289	6.849879843	4.446038829
7.176597838	1.337181988	0.511524062	5.939940798	8.639207138	10.32262282	7.116119291
3.496960146	1.452488142	0.272417577	6.476497838	4.397282827	7.328034632	4.23754263
5.08236895	1.73696147	0.941803389	13.37094456	7.252926437	10.70217166	3.583170178
3.819833742	1.786665348	0.766434403	15.85932006	5.443478079	11.57382348	4.554681442
2.844776691	4.291318653	2.329824181	42.48592416	6.244531295	10.20489795	4.301454322
3.883336192	2.621259193	1.722590804	27.09374826	7.698127101	12.11614324	4.534582775
4.085822022	1.754131484	0.767685197	15.19898798	5.482667838	7.795773689	4.90782313
3.332285729	1.269849969	0.199219676	4.951271737	4.125859859	4.435655672	4.035605411
8.505961107	1.393785992	0.865331054	8.557939455	10.4065638	11.40333714	9.137988967
3.4184215	1.322593114	0.229545532	5.759469388	4.207721777	6.349640624	3.761128526
1.719774205	3.980503653	1.150210941	25.93251042	5.182645242	5.791442557	4.797312961
2.922907166	1.525401983	0.320295942	8.737489755	3.769966516	3.996893893	3.442865079
3.725927806	1.841788477	0.516208589	11.33113397	4.620787692	5.591147979	4.141322863
4.236228261	1.445760226	0.533166455	10.80773011	5.237414009	6.413806119	4.639876689
5.987259882	1.855969594	1.342406885	14.75314123	9.796777566	12.29827057	7.509793147
3.861947645	1.534477287	0.345730594	7.566700037	4.880037717	8.647862845	4.470046548
4.872489504	1.804104735	1.049631298	14.37118161	7.665664406	10.76904481	5.29633482
5.917483615	1.728496729	1.193429264	13.21129867	8.654327644	11.96388785	3.342676034
3.003336053	1.514800064	0.283187449	6.721946433	4.353410804	5.18898922	3.629212204
4.641034052	1.774723748	0.950235048	16.73776804	6.634685993	9.480030783	5.30775591
2.06508388	3.171034498	0.862278541	24.87475963	3.49343353	3.81751453	3.365866554
3.779434963	1.382135135	0.255547566	6.270530934	4.302834745	4.757702238	4.037165513
3.408500882	1.992855761	0.919269114	18.1303101	5.858924034	8.857834723	5.067887279
4.632200622	1.673855693	0.744052602	12.39921985	6.113934573	8.370450383	4.842238461
5.553760949	1.252919171	0.304804705	4.956215739	5.734174692	6.506279044	4.601841348
4.74035314	1.45874037	0.543626084	9.088205615	5.893596782	7.600303023	4.013146991
6.791160875	1.488400757	0.866488823	10.19404091	7.814822131	9.43087852	5.92261705
4.697260244	1.381472476	0.4495515	8.615173918	5.113912594	6.383596263	4.495947005
3.928713778	2.373906348	1.108652341	14.39139025	8.519321779	11.09790702	6.21953742
3.186894065	2.770429442	1.119869459	24.45758029	4.536386311	8.007922642	3.834496728
4.297544489	1.359821334	0.303197835	5.81743906	5.268344933	6.047187213	4.794396453
3.965282145	1.961227524	1.041921395	18.63372165	6.280052337	8.238077891	4.799373691
4.711972575	1.492372401	0.44925404	7.664045086	5.998290912	6.657422024	5.462404187
5.816409706	1.323457132	0.473943527	6.861535301	6.733070192	7.924181602	4.380982095
6.382587077	1.396161083	0.591243584	8.126116879	7.290831684	8.571168125	6.272066086
3.709686989	1.615234148	0.490318644	11.00781575	4.359915944	5.193449656	3.552629019
4.749421683	1.330306478	0.387956804	6.889643867	5.485980503	6.89780519	4.503802625
4.275051943	1.34048044	0.297379512	6.112065924	4.943363871	6.649777589	4.306025831
4.356875769	1.511397172	0.575921934	10.28102073	5.431738213	7.021838624	4.055311406
5.160601164	1.257261577	0.281358091	4.826926517	5.784156182	6.806830766	4.923944724

4.492470002	1.826127543	0.912950498	13.88401424	6.39478915	7.717179302	4.69701435
2.737889917	2.810188786	1.639478242	33.41054223	5.676927135	9.906577662	4.042681783
2.25299908	4.087100324	1.866253512	33.92688665	6.242798732	9.228098225	4.140657208
4.052657544	1.368625942	0.395820411	8.065447125	5.147074096	6.373719831	4.523696363
3.64036748	3.920428851	2.318094497	28.99846192	7.152532535	10.58037304	4.340912369
3.257355471	1.500178694	0.346858093	8.107956541	4.47782568	4.845742046	4.37752922
5.152165125	1.407067921	0.496907011	7.864638679	6.495433184	7.333942628	5.70177169
4.044113011	1.901393439	1.043192085	19.42363728	5.353733113	9.270204562	4.0666264
4.365307842	1.592161355	0.594267349	11.41375957	5.630448464	6.280210522	5.034763655
3.429657148	3.587940542	2.12063084	23.78615223	7.137686833	9.053347503	2.470217961
4.852963364	1.549757137	0.587128253	9.080269505	6.281577983	8.562487936	5.233951625
4.117930521	3.093014581	2.643021457	32.82811853	7.257855801	14.2371114	3.677273266
5.937880613	1.262283488	0.35698644	5.387194875	6.020167394	7.081368981	4.714790028
5.704707811	1.660572799	0.778714309	10.04194551	7.298816854	9.504927147	5.619569304
3.55290679	1.959208705	0.838182569	18.88859321	4.339679228	5.374969753	4.007037191
4.162842	1.721049462	0.920928499	17.87329534	5.874459807	9.304889294	3.543139596
5.215243783	1.153843614	0.195746094	3.543821783	5.48999566	6.161256182	4.897214194
3.039128445	1.761705684	0.472683898	10.90553837	4.534790722	6.005995975	4.327331079
3.095139833	2.543124655	1.107510072	20.95525155	6.025807021	9.031358829	5.303792564
2.053856241	3.929111318	1.661912946	31.20179377	6.306775663	7.911106875	5.034210845
6.042393322	1.794510952	1.379024578	16.47692918	8.554381255	11.26373052	6.058383637
5.650660258	1.205771442	0.287743029	4.781593604	6.087333644	6.620754453	5.551072299
4.425306251	2.05644123	1.424520785	26.115817	5.600600126	8.874620315	3.351268347
4.004746476	1.35402796	0.229022901	5.045699202	4.666843049	5.728456969	4.441336936
5.655454673	1.696547734	0.891566664	13.09170933	6.36885969	7.621316561	4.978884678
1.837908415	5.691649517	2.506003635	38.38441463	7.667332742	11.61745176	5.027360677
3.102501927	2.707526884	1.134322729	18.52301444	7.133598554	10.52753078	4.512574699
2.72214343	2.046625915	0.553710135	12.50761265	4.807606269	8.625094318	4.368155699
3.560862683	1.594978194	0.661095547	14.55665081	5.209066793	8.443333659	4.802941874
5.799336121	1.6161035	0.929116156	12.57145971	7.760264308	10.4122162	6.287624203
3.493098981	1.437189855	0.322257863	7.400376182	4.795265218	6.928281756	4.434810203
3.40016927	3.265590538	2.014494937	32.15511805	7.516518136	14.16991553	5.280463829
1.182402145	6.54663495	1.553416764	31.56772613	5.602539989	7.577475829	4.313410539
3.99165272	2.093896322	0.940635	14.68567194	6.75487435	8.958263644	5.480449779
9.124726242	1.394469033	1.250419361	11.02943827	9.584407374	11.00823322	6.219746557
5.815037834	1.304541685	0.427460338	6.137623429	6.823381467	7.610343588	5.694397206
6.292820819	1.24781089	0.382422276	5.545922671	6.516525923	7.744288254	5.667647195
5.268528342	1.704211568	0.872381072	11.43373743	7.787293627	10.54221859	5.449558945
4.219747599	1.48882031	0.460495244	8.244746642	5.857184701	7.304245574	4.837087648
2.706685069	2.296575019	0.912503683	19.94349333	5.22696502	8.395669819	4.204659109
5.127055399	1.60009258	0.559439038	8.313364588	6.638634716	7.998366077	5.06047011
6.227790263	1.267453954	0.340028179	4.807952192	6.902974687	8.261169091	5.811396228
5.995786697	1.219363262	0.41573961	6.352702156	6.34418379	7.245800164	5.355316476
5.676744335	1.315256579	0.373927565	5.661933504	6.372405635	8.305519644	5.203508065
6.37710998	1.216056329	0.380118978	5.407588128	6.855949682	7.806684161	5.509357234
3.938391781	1.57127233	0.5240926	9.47026901	5.461496044	6.53585317	4.751845837
5.805923866	1.584065742	0.810628149	11.08589702	7.231407861	9.190170162	5.165491626

4.973457645	1.298826356	0.315286529	5.305250502	5.869511211	6.897277197	4.347041599
1.951967472	4.467516085	1.201838845	25.39828988	4.833654363	7.407679481	4.337237426
2.971673346	1.253038101	0.164109451	4.94866735	3.547170381	3.772927872	2.782320103
3.413977979	1.32370947	0.229203282	6.240704497	3.889900038	4.117702411	3.587707009
3.069900753	1.394730615	0.236790709	6.44705394	4.033932819	4.502054363	3.880541102
3.362053062	1.558618176	0.428609972	11.89090832	3.799130578	4.363769412	3.445358816
2.345843289	1.751793423	0.283525974	7.943920876	3.680451981	4.374651055	3.253747026
3.446701677	3.531822451	1.966765795	22.47082806	7.897968121	10.04225835	3.635825891
4.249913959	1.890303723	0.912198698	15.83803654	6.390553929	10.21049429	3.322178564
5.754038015	1.50497286	0.777991276	10.72873704	6.812106034	7.721214759	6.23619396
5.453949125	1.298139951	0.441904774	6.980637658	6.165063602	7.164351913	5.339344516
5.139689136	1.923739631	1.010090459	13.52489642	7.64856602	9.097357087	5.764003461
5.980819272	1.455878911	0.642772036	8.880429933	7.199147988	8.479031003	5.665922748
6.908021343	1.986395537	1.880095404	19.00981836	8.132844354	11.0075884	5.076000756
4.01091392	1.631083213	0.617029293	13.33536959	4.691664837	6.310929428	3.995027139
2.319961589	3.799702826	1.446785533	20.95178986	7.340139759	9.081415993	5.581382695
5.938616918	1.828792605	0.997200843	13.33088036	6.871005149	9.505595962	5.198628781
6.045354035	1.404845841	0.507199086	7.333045767	7.011870427	7.637905174	6.204619308
4.187969039	1.431219916	0.560528245	11.56508112	4.856840584	7.035686134	4.142920649
6.42706801	1.283991771	0.401125867	5.786215204	6.752398487	7.901058	5.272951677
4.347225604	1.407501975	0.428161065	9.113035556	4.653160815	7.263277141	4.241698819
7.044826308	1.285741208	0.49914336	6.090659212	7.942771067	9.30821264	6.62145921
3.57486401	1.499236659	0.277583474	6.303974835	4.486069686	4.837746775	4.081484522
2.432495365	2.594495453	0.984757525	30.85794077	3.836393231	4.815785214	2.817346143
6.045650476	1.350854688	0.513463903	7.482741607	6.632060485	7.198698662	4.96192557
5.553677441	1.367887125	0.42583757	6.784990855	6.208021723	7.677305904	4.765473241
3.729749331	2.311851514	1.073499639	21.70356301	5.247343209	8.823603508	4.016686416
5.318157952	1.283948713	0.325355983	5.262302088	6.182588792	7.607605312	5.298574499
2.730814431	1.290332258	0.221517084	6.749324198	3.464609612	4.206647304	3.160298178
6.122706815	1.134678181	0.211852937	3.271041312	6.42669351	8.176207948	5.304705173
5.278731345	1.292025509	0.313124658	5.493524287	5.581924074	6.271529344	5.08189655
4.093109054	1.589109604	0.613540711	11.40851583	5.675372697	7.672742185	3.521727617
2.632160844	2.40133294	0.763167217	20.41779118	3.853640112	4.67011282	3.543782068
6.705155189	1.225943833	0.432783924	5.920956035	7.199992227	8.460641519	5.806977136
3.198028873	2.389732772	0.978530001	15.4020398	6.65221614	9.230471674	4.652408099
4.061468662	1.99385782	0.837878061	11.72692365	7.363614323	9.011878297	5.331603556
4.061419381	1.701873868	0.654617935	12.53403782	5.619931018	7.077378878	4.963100568
3.685005562	1.780848722	0.635238092	11.50863557	6.046454203	9.172383299	4.493480978
3.647654175	1.840945361	0.596220182	10.67118573	5.927342848	7.915777134	5.071588549
4.532819164	1.823364493	0.822538829	12.22131362	6.976582041	9.321375476	4.384275219
6.816184126	1.420891415	0.718544206	8.911962761	7.973845628	9.409700897	6.599220114
3.882515135	1.198683075	0.168477926	4.001109609	4.193124855	4.59383219	3.727947153
3.715885401	1.42132374	0.329933431	7.225453055	4.693090914	5.702269192	4.1952342
3.10337993	2.021463031	0.704777069	14.70128034	5.13367648	6.956159812	4.697584719
4.937836388	1.927809275	1.002894412	12.80414349	7.638897308	9.762488946	5.777615673
8.659619244	1.259100389	0.490266779	5.070691146	9.635442252	11.01182534	8.503639954
5.487449276	1.822061833	0.798884541	9.413801814	8.357567632	9.724597623	6.259765432

4.959001649	1.887507035	1.169831364	16.83818716	7.221843922	11.66395066	4.610205185
5.227798103	1.306599533	0.419214273	7.321048715	5.501491164	6.977835787	4.856948502
4.92901965	1.697096996	0.83989291	13.58226373	5.866734803	8.230432322	3.73000198
5.238594853	1.552522273	0.836812307	12.39431032	7.22029879	8.997739069	5.781107521
7.419422184	1.365059449	0.554587912	6.491696834	8.679551872	9.778533439	7.451923966
5.282447136	1.442046338	0.529208725	7.86004524	6.372085289	7.111082861	4.877624392
5.905704113	1.351400524	0.445371856	6.695295754	6.614871364	7.560047196	5.786507149
5.98582747	1.424518685	0.716742985	9.846267134	6.967243205	8.84368139	5.31059285
5.281772916	1.364949122	0.410569471	6.495673492	6.365333425	7.151646676	5.436053551
3.425265511	1.949928432	0.803662438	17.38189934	4.694552424	5.784210187	4.018350308
4.08092996	2.121727405	1.300146751	21.3053195	5.933569926	9.215194574	2.465949908
4.93646616	1.462804526	0.498551405	8.421609978	6.022770289	6.602570261	5.445142216
6.100347132	1.366074936	0.635056648	8.778344309	7.202044789	8.23125895	5.911278528
4.883308468	2.01002001	1.087073491	14.65214092	7.361303607	9.564505821	5.024494773
6.658340618	1.295947752	0.42719457	5.255013883	8.298107339	9.513688643	5.927985248
4.50293585	1.773543686	0.710608086	10.28418006	6.884952658	7.912971699	3.878564943
2.908268041	2.384361356	1.068116338	22.36224856	4.83692779	8.206632946	4.263506689
6.332869301	1.515188028	0.760855664	10.09302337	7.083517629	9.153909385	4.971970094
4.565667193	1.921088116	0.999764244	15.19052373	6.714647613	10.12447829	3.741106497
4.472379933	2.139175062	1.226441736	15.58680468	7.824195749	8.892999384	4.710069592
1.687791343	4.892866956	1.772622909	30.2418713	6.893606894	10.97778786	5.158148119
5.068733398	1.352220989	0.431119954	7.016902232	6.046157826	7.113172851	4.924917347
0.277025316	34.71541619	1.498026201	28.45103207	5.645383508	8.72162126	4.6619433
2.964459595	2.10950192	0.69749965	15.55844801	5.073565707	5.610609549	4.483240623
3.602047566	1.735495872	0.506421992	9.708989174	5.546990444	7.352495091	5.022526891
6.582099683	1.296287596	0.423745808	5.436499459	8.043011686	9.060618427	6.765656235
2.040448646	5.565476962	2.87721136	40.99416635	5.527955723	9.882553092	2.255744479
4.978303854	1.464740491	0.476154606	7.75975629	6.13072149	6.973742723	4.645480816
3.10389892	2.023046658	0.617611271	12.78951612	4.952996473	5.574194169	4.642747758
2.816300337	1.331198046	0.18052903	5.427760268	3.351940366	3.710307661	2.98227352
3.32568927	1.769468588	0.449001514	10.26662674	4.535227283	5.843039889	3.911743002
5.314385197	1.526202736	0.69404944	9.594013732	6.999986721	8.319051936	3.936863242
6.153090551	1.749544588	1.077176786	13.85820294	7.718562476	10.88828324	5.895803338
7.323706222	1.241735552	0.401729513	4.811438608	8.145329818	9.481321214	6.4396337
7.373649995	1.171247773	0.299159927	3.686010973	8.05348862	8.459767749	7.489291788
3.406951165	1.839829443	0.689547914	14.55047483	4.883867637	5.790742882	4.553007001
5.415114809	1.886981392	1.021184338	11.87491934	8.882253497	11.26394002	6.637616116
1.467141386	5.461092459	1.522135347	33.34661403	5.98791728	10.00592003	4.491241018
4.966402757	1.682589386	0.788660046	12.24027758	6.269827804	8.487417342	4.979999097
1.660921928	4.864611855	1.991905267	37.79033346	6.766323905	14.65977425	4.482428142
3.673204403	2.253466481	1.083177734	16.87618913	6.457517147	7.959601384	3.938094197
5.495756028	1.332310759	0.430907725	6.638668648	6.282585838	7.112475315	4.643030873
3.912157943	1.749840346	0.557485548	10.30547492	5.400764085	6.072124021	4.640389133
2.914878516	2.435302266	0.953138915	22.53700023	5.034143894	7.067727168	4.388947751
5.891311405	1.170526554	0.250043152	3.94952656	6.200274992	7.064474139	4.925945306
6.269681777	1.456315754	0.75103991	9.254082017	8.077502092	8.975236162	6.31467465
5.065929343	1.296620318	0.383185462	6.805841725	5.816915939	8.346749245	4.817630199

4.051097307	1.395677298	0.275399427	6.093941841	4.608305828	5.385005613	4.434638521
4.788470943	1.529242188	0.504686856	8.369864807	6.011517594	6.531016705	4.61077236
5.18199237	1.480766881	0.56600198	9.262899027	5.924727803	7.019057705	5.111200638
5.826593619	1.514356221	0.769202478	10.37182547	6.926449469	8.85001822	6.08204705
4.848304919	1.690508569	0.840148329	13.19238201	5.402392119	7.788128658	2.562340434
4.516661866	1.267271842	0.292094315	5.608723296	5.123968064	5.918771708	4.787218767
5.897972007	1.281061389	0.540365046	8.273104109	6.295866613	8.547750554	5.244437336
4.27840406	2.83859563	2.020275599	23.46262814	7.210641204	9.283276388	3.123510873
1.973975134	1.981436844	0.453521799	13.16939719	3.65690317	4.065105173	3.459072886
2.151854228	3.204238079	1.312919471	36.17956775	5.125443887	7.468086555	4.502979345
-1.066410046	-7.331267548	2.703799622	102.8098301	4.750495646	8.626866817	3.570150342
3.933505123	1.677789877	0.648738799	11.67938636	5.891151686	6.779480989	4.858057126
1.418241622	7.277796848	2.249806296	66.1179688	4.824268366	13.6088074	3.115141757
2.552700292	4.747224664	2.543452292	37.70831834	7.853201056	13.71303438	4.738701477
1.250358984	4.424481071	1.423353549	56.98911292	4.122520946	4.655374171	3.384847938
3.906845533	2.305137766	1.186019015	23.98371075	5.334095834	5.87838814	5.063439271
0.906777688	7.580206201	1.913852722	73.06547973	5.129574669	9.951570196	4.026699033
1.752787466	5.271575286	2.064651949	59.52756934	4.282589114	4.943825772	3.884708015
3.344531443	2.220532902	1.2740262	23.70497619	6.597464549	9.023668849	4.882437132
4.600885988	1.720573462	0.800203152	12.28575006	5.996206015	6.934150653	3.725350879
3.115554824	2.319445071	0.804870767	16.41125659	4.879814231	6.813901063	4.410615394
4.364221207	1.976616516	0.826981848	17.70398298	4.647468842	5.487232343	4.203504654
5.618924655	1.609576416	0.796950535	10.92394853	6.689536451	8.024458404	5.311670122
1.131156626	6.587345195	1.624581838	33.35805977	5.531045009	8.39433683	4.211829387
5.38903567	1.433421574	0.649978422	9.865868467	6.629839996	8.497138979	5.252796349
2.681181761	3.281535056	1.654036645	30.96867541	6.542212073	9.386609054	4.308292618
5.653041686	1.349749443	0.368027652	5.476778555	6.581634324	7.367359604	5.395395729
3.689917744	1.237324633	0.147231171	3.664636666	4.090278802	4.562493765	3.773624901
5.025055497	1.298477757	0.313774628	5.492796656	5.62772969	7.396880312	4.803307551
3.667822009	1.26474522	0.171413238	4.344428246	3.969036307	4.1636349	3.880978624
5.464021619	1.662482484	0.982667916	13.83920608	7.007670785	10.35455539	5.191043305
6.425406219	1.315629699	0.532325333	7.256094362	7.149047791	8.187447128	5.842381891
4.708195359	1.444175471	0.534814034	9.14438837	5.748556231	6.862290213	4.719346825
3.616034731	1.24107026	0.155115824	3.642995855	4.322786712	4.961806777	4.128232234
4.317635972	1.965750964	0.938850259	13.50966451	7.247667338	8.575368624	5.284184565
4.775899986	1.661862096	0.830473412	14.57475657	5.287788801	5.930300046	4.78446055
4.459602779	1.528661482	0.46086048	9.38196472	4.944747332	5.362887631	4.631443681
6.530269892	1.456751371	0.631153784	7.624869649	7.994474654	9.380209238	6.271043571
4.57988007	1.827342818	0.776597022	15.17143928	4.966483534	6.303518946	4.714692884
4.322916442	1.415970919	0.406538423	8.067712009	5.07246853	6.037692191	4.545895485
5.738793589	1.440535867	0.588634986	8.470398905	6.95137321	8.995003985	5.481692948
4.090471985	1.960767312	0.924274199	14.796679	6.298823063	9.123982445	4.397417944
3.735990717	3.909286827	3.643465659	40.98728581	7.311071074	14.27488548	4.332700271
2.480840138	3.291115255	1.104078514	16.32089938	6.624111611	9.124980128	2.17373994
5.894210121	1.168143984	0.228757083	3.639270923	6.223245342	7.070760497	5.622492056
2.903850773	2.082494664	0.601982979	17.34647125	3.391892167	3.92812386	3.13861399
7.251629321	1.189558188	0.343732901	4.251729491	8.02488977	8.974327684	7.278083279

3.655775469	1.991229331	0.813053039	16.39534858	5.254333939	6.231618192	4.642410974
4.867955559	1.484023987	0.529709368	9.518184969	5.6312372	6.293560334	5.262596946
3.421213319	1.441366336	0.33219949	8.834841439	3.905260342	4.176356338	3.681751032
6.30469472	1.934787236	1.401399681	14.4234825	9.861102553	12.19897899	7.258012068
6.138807678	1.993771053	1.604661371	17.3534337	9.635570807	12.2606023	6.665844008
7.482942019	1.665095318	1.213584247	11.94587573	10.30014296	12.55653065	7.543751829
8.108031265	1.551253857	1.202232205	11.41018176	10.82707773	12.85571898	8.743656098
3.813254536	2.092950787	0.788029071	13.51199459	6.059847757	9.137025394	5.16619866
5.313208417	1.357126481	0.427466444	6.680425875	6.465056979	6.962734997	5.575477972
4.511249326	1.537843563	0.625883948	11.46639979	6.147047613	9.075934167	4.463660735
6.075206803	1.398520172	0.551171571	7.811569118	6.684323542	7.411506248	5.587282837
6.9742654	1.281275328	0.500526551	6.399907573	7.702938009	8.998994069	6.314465769
4.25271463	2.015570326	1.013982226	15.63933345	6.133043231	7.642912321	4.048095081
4.132774512	1.716726708	0.789722736	14.96299369	6.029183918	8.859321947	5.136706731
1.754108308	4.215660645	0.932603085	26.26126044	3.578149087	4.190751184	3.186510872
6.077216151	1.670743365	0.695397376	8.778722928	7.58984889	9.796397076	5.649702664
7.09424286	1.248097655	0.49063968	6.180456622	7.865271833	9.06043656	6.22056764
3.834647309	2.765364834	1.71475497	26.84275835	6.608212901	10.15803548	4.749308735
4.341169965	1.151747345	0.179284938	3.945306382	4.551021397	5.600220123	4.334701482
3.759131089	1.559184982	0.378294815	8.919907183	4.333886088	4.7535795	4.178298268
3.1470974	1.253001219	0.178575928	4.959858065	3.628466508	3.799463116	3.331940542
4.98179724	1.49410444	0.581010943	8.77067642	6.508481522	8.083716348	5.191867166
7.079378949	1.229450333	0.450107036	5.688650675	7.609444045	8.924972632	6.236155134
5.569515824	1.415957851	0.572043832	8.653025737	6.642421802	7.280457129	5.637884136
4.54395577	1.318484613	0.343647505	6.631443233	5.300500557	5.894498479	5.073473207
5.645844412	1.174984373	0.270760314	4.403370837	6.033073544	6.541200311	5.458967393
4.246344905	2.392624131	1.269573904	16.20699382	8.279701658	12.47858211	5.240293173
3.070220224	2.359771651	1.169535434	22.21763527	6.398864699	9.533463207	5.023290324
3.016859619	1.804474451	0.497436772	12.74476701	4.244054709	5.727577374	3.92800129
3.651256674	1.667047152	0.614392216	13.80931893	4.958495842	6.517863008	4.437605048
3.091303367	2.003410043	0.839785129	18.72263315	5.203167579	8.265998485	4.504786581
4.921873385	1.265482732	0.237881201	4.273696849	5.639389709	7.623461131	5.097074057
1.721142298	4.826566799	1.258188798	28.1228079	4.697482284	5.572371874	4.349836077
2.65640494	3.506052704	1.710875103	28.90133378	7.109309865	10.81853785	3.59300899
4.486084205	1.472869627	0.476607211	9.267701657	5.170066063	7.357249927	4.204645295
3.419140406	1.692908354	0.483716596	11.11110382	4.496364761	6.228397516	4.11179069
5.791122095	1.471396601	0.70393546	9.689267198	7.765573464	9.928495533	5.082379296
5.5759329	1.71092033	0.909518328	12.3501124	7.307650153	9.388431056	5.259620446
3.513121803	1.148416874	0.123503444	3.365682084	3.658690036	4.521272616	3.311054917
3.685903292	1.123613044	0.095693703	2.440062136	3.970385359	5.241434317	3.67548373
5.606190694	1.641172503	0.954475514	12.10862564	8.204182915	10.06359165	4.913864969
6.082459542	1.689745596	0.993062516	12.42394567	7.522757056	9.82608693	5.419505073
3.673485204	1.815400914	0.708873761	13.23993957	5.366012401	6.330144163	4.939827559
3.535186544	1.476661625	0.280017547	6.895527748	4.131911658	7.341931163	3.565908483
3.69171964	1.457465118	0.285550587	6.812930618	4.294353531	6.091922245	4.106729161
4.114122254	1.319739232	0.229717138	4.757335509	4.897583636	5.316065478	4.656528333
4.384641784	2.871951786	1.652702215	25.57238087	6.173934782	11.23716343	5.345195179

8.40773124	1.227680358	0.408442512	4.35947967	9.299682613	10.13368588	8.471598294
3.618379153	1.98175668	0.693783072	12.13349918	5.881624878	6.478551109	5.050764441
6.513733561	1.325845999	0.474860989	6.217532451	7.881212716	9.308152888	6.612845724
4.715475306	1.520080048	0.545445245	9.014027456	6.059740321	7.003831184	5.139186501
4.662134056	1.565256894	0.612294898	10.48858477	5.924324521	7.358410187	4.563076218
4.220145301	1.503557451	0.581596213	11.20085364	5.690059722	6.923480206	5.033488131
5.452498695	1.659931049	0.814707095	10.96163783	7.083608276	8.81214438	4.986053536
3.574561245	1.438573809	0.310408742	6.571305648	4.902244681	5.323279363	4.548915461
4.429867935	1.691262939	0.509253991	8.985880735	6.07058089	6.711299711	5.150737268
4.926097495	1.630573033	0.760060691	12.1773709	6.427883873	8.075337258	4.996884609
3.796948966	1.325373036	0.431884759	9.122775514	4.949594484	6.052326482	4.183920646
4.09100314	1.399657301	0.265129377	5.672258596	4.830959441	6.02880327	4.041385553
4.41758621	1.330003324	0.270210411	5.729627825	4.711285377	5.266463775	4.313738711
6.315868854	1.336731251	0.497023929	6.650149908	7.364622506	8.818896813	5.340692065
4.674180487	1.447035545	0.546441407	10.59952867	5.009564089	5.707347935	4.449280737
3.668331189	1.843087058	0.493273334	10.48940732	4.713461548	5.102325173	4.406432151
4.161921719	1.700901777	0.583549512	9.449739125	6.074531088	7.842110268	4.309218801
5.192928057	1.752487796	0.978328569	14.3913506	6.452428882	9.199096098	4.848178262
8.887064035	1.250031233	0.582106968	5.797766706	10.04949292	11.24142395	9.210024514
5.203430734	1.65581682	0.737833286	11.00307888	6.847920948	8.386348959	5.266301936
5.567272761	1.237403921	0.328949568	5.207673743	6.256405371	6.958595646	5.489929235
6.22760227	1.124711204	0.180752593	2.720046982	6.586863609	7.293888987	6.014594741
7.589398222	1.249688665	0.442320521	5.092233152	8.799568818	10.19432565	7.771408394
3.133958753	2.938183958	1.2792535	18.47539652	5.915857083	9.61097148	2.568292614
5.67371962	1.28972756	0.313095162	4.864540816	6.42020535	6.846371924	5.772010929
9.222001079	1.16374433	0.380071936	3.841752181	9.864924098	11.01637653	8.732058679
4.579243106	1.532795435	0.593919001	9.948293817	6.061267495	7.224011257	4.72217559
1.823712975	7.074132433	2.658907347	59.38810472	5.003999209	9.428026261	4.286795202
6.718559898	1.318464106	0.464663842	5.953985566	7.405123108	8.47723743	5.988234865
6.071943837	1.193700425	0.350402909	5.252313568	6.673115744	7.945207189	5.169275075
3.274165697	2.328785035	0.998232389	17.21463773	5.389638444	6.200673557	4.167050147
4.166442998	1.543984514	0.46309986	8.142643031	5.700991146	6.908929115	4.128610926
3.670966955	1.728727159	0.746554169	16.41244498	5.490815217	9.367923147	4.470808409
7.186424204	1.183931709	0.251196291	3.257977183	7.538050974	8.133993233	6.502679956
5.737836486	1.722934962	0.980036189	12.44043267	7.193388448	10.0265883	4.469153364
1.945500759	3.194926942	0.74116331	18.25457488	4.138064229	8.156185925	3.537925177
8.876930538	1.225290008	0.418923663	4.217422099	10.07036157	11.2866659	8.527192838
6.298330546	1.246269891	0.36210286	5.097484408	7.13701038	7.629262111	6.614074326
5.749681021	1.414893381	0.467417831	6.366502661	7.04847038	8.486977386	5.446847502
5.69179943	1.679921113	0.972937693	11.54942847	8.554019533	9.371041883	7.12003584
6.360358404	1.20708265	0.347758293	4.894468363	7.07198095	8.022341713	5.941330047
4.025087665	1.924622485	1.176631306	22.76414413	4.357718439	6.908670155	3.298815854
5.972533791	1.641402674	0.744946216	8.982294252	8.391618673	10.04408036	6.825291576
7.408237654	1.438047793	0.720577793	7.553500778	9.645447842	11.27200492	8.632145939
6.930696935	1.300759539	0.443061375	5.636071278	7.785425479	8.924657957	6.9125366
8.000474385	1.193664406	0.461309839	5.339141538	8.702617695	10.3415388	7.281687964
7.144238372	1.449559475	0.703319772	7.537616988	9.37519624	10.4507728	8.355746199

6.182469027	1.238432653	0.367050585	5.404855451	6.702990315	7.250752405	6.13674784
6.024847432	1.321959044	0.410290274	5.615679116	7.36420338	8.323143449	5.882697417
6.150275405	1.258167583	0.454334861	6.790099348	6.239229175	7.337677626	5.330437172
5.745484368	1.786315721	0.971068314	11.31443575	8.592920411	10.4899333	7.456424146
6.776943979	1.259374011	0.350447204	4.692818132	7.426631062	8.456978088	6.172653331
4.97077404	1.65813568	0.719368966	11.17686226	6.603603119	8.15043989	5.924627077
7.917169844	1.200336535	0.397924944	4.554352771	8.715832943	9.76771286	6.832004156
7.809400764	1.304542231	0.579062744	6.632765874	8.794982413	9.724365821	7.573482094
7.644333288	1.270024048	0.589523432	6.823018487	8.69780512	9.652293921	7.72798972
4.737701537	1.824250623	0.89594313	14.03394666	6.44844342	8.916552824	3.551824921
7.177179034	1.246779684	0.373202907	4.630614634	7.837710434	9.186393803	6.442795371
9.704115185	1.242278332	0.61588531	5.526170409	11.15508562	11.97388527	10.12765362
4.35310334	1.775500132	0.683023984	11.43429444	5.975984798	7.731739005	4.930577021
3.431123229	1.391382211	0.251409189	6.584636766	3.905431863	4.213444334	3.67665954
3.346317729	1.780553435	0.481611639	11.82998724	4.583922329	10.08390935	3.945457195
3.13080832	1.31691828	0.257759449	6.743687007	3.957734572	4.783681157	3.6688538
2.194170221	4.484233998	2.232467365	50.20546085	4.500115343	9.485173037	3.180073328
3.301233575	1.858610268	0.541803376	9.745690255	5.614303636	6.540877985	4.714973038
2.18647713	3.001309353	1.105129637	27.42111057	4.437812623	6.928233087	3.495539499
3.842957678	1.470641579	0.47917531	9.895503204	5.118813263	5.961656143	4.371859274
2.836298825	4.952791568	2.822425305	35.86510145	7.895931599	13.37778721	3.198156082
5.384689868	1.246703258	0.393495584	6.395937797	5.904210735	7.004158143	4.939956955
4.606766017	2.289467911	1.150458555	13.44982436	8.137795183	9.972754531	6.186294039
4.162497297	1.151043971	0.122660842	2.72952876	4.584966779	4.980534902	4.358163299
4.583537271	1.472640554	0.537660618	10.5118615	4.911248506	6.987196363	4.623780263
4.669555285	1.372531617	0.428428367	8.110727436	5.253598161	5.957408061	4.730223161
4.648934022	1.281093177	0.386326668	7.476127981	5.258606973	6.505437444	4.643289271
5.170725962	1.359158607	0.446371795	7.043574887	6.208056629	7.075440858	4.976602942
4.33147002	1.53283494	0.492325536	8.944972024	5.510380014	6.358613575	4.913324989
2.188137052	2.737787472	0.629112241	14.25191013	4.534971225	4.966989362	4.086707098
8.33946867	1.225280753	0.414109341	4.597946772	8.89309435	9.823509867	7.464969956
6.039772782	1.316425795	0.440440245	5.959709386	7.195461683	7.853985592	5.948821854
5.972961806	1.706997243	0.900354478	11.72548301	7.254685738	8.34990377	5.439248537
3.653526879	2.355444269	1.372873267	20.63108028	6.833752749	10.27760162	3.178598101
5.630888848	1.33629953	0.526773687	7.935151064	6.46528475	7.786553401	5.360590997
4.653808695	1.891764083	0.892314745	12.03287258	7.420125344	8.564300162	4.362771578
4.006105009	1.549017709	0.461847602	9.661600425	4.969633703	5.752828333	4.384967467
6.808141733	1.287458417	0.420042403	5.539276693	7.62664615	8.808276562	6.762490395
5.044164616	1.358644169	0.385275317	6.655443422	5.885451361	6.773323223	4.965003378
3.191101555	2.447993812	0.945056877	16.71825178	6.396191148	8.594271573	5.477650514
5.024907874	1.60559922	0.676399461	11.3381652	5.824797371	6.533202952	4.99496024
5.171497934	1.333914987	0.392130822	6.644762269	5.753937715	6.151979901	5.038917149
6.01020527	1.222423714	0.33244836	5.061143095	6.237301593	7.212089032	5.033132996
5.119045407	1.311508994	0.405987644	7.003418731	5.445617215	6.676237349	4.451690089
4.987820827	1.567798624	0.572591208	9.228896129	6.082174031	8.435836967	4.426240054
5.145179311	1.378873581	0.482957226	7.423272782	6.44484074	7.650133479	4.832649841
4.396562885	1.515324803	0.528170728	10.82402686	4.954205328	6.483231113	4.432333895

3.819488517	1.809449048	0.78765108	16.86828815	4.911958785	7.506706432	4.214004395
3.134467809	1.934980852	0.569690039	12.20573832	4.816070541	5.98026766	4.553557505
3.124293593	1.585136494	0.432147027	12.36441752	3.575412586	4.666551971	3.258166883
7.035124604	1.346362517	0.621698984	7.874204299	7.78009138	9.089016834	6.825047455
3.350938439	2.443391828	1.081531935	16.38880055	6.56257385	8.067974378	5.335926635
6.925818634	1.457923974	0.843083338	9.780023934	8.35125582	10.25795157	6.798716866
5.425871365	1.415654014	0.637793748	9.355288073	6.197052546	7.270123941	5.332118177
2.597267595	2.926024682	1.108993441	24.02842353	5.840386677	10.21552985	4.438303748
4.803182802	1.523606424	0.468989657	7.631548828	6.078173382	7.581221149	4.980752869
2.718407124	3.263101292	1.050459367	27.28350179	3.744013277	4.197137237	3.197611557
3.918750632	1.407234265	0.38235415	8.73911399	4.648732068	5.372006404	4.441921766
4.389502596	1.262647112	0.217151576	4.53581592	4.954445379	6.556942975	4.4835949
4.941372388	2.603912618	2.219442227	25.28776996	7.751883865	12.8324597	4.591614081
3.973727465	2.34313871	1.316375399	16.63859662	7.519278162	9.777517228	4.506877742
6.010164831	1.64435581	0.733188244	8.973221556	8.065267836	9.524188633	6.242687958
5.919830664	1.290335646	0.36914152	5.181948537	6.849707396	8.364945926	5.328501403
5.841400636	1.446653916	0.617726128	8.878267619	7.051044455	8.496057427	4.360965547
6.47461406	1.559822022	0.659798639	7.352010258	8.953139358	10.0636439	7.692453386
3.301955389	1.55434828	0.390556477	8.805209144	4.519476147	5.010778644	4.120635013
6.367365136	1.141336061	0.212926897	3.082638201	6.730027489	7.294169844	6.2253701
5.558399357	1.196594702	0.252638513	4.22705807	5.703085597	6.633250369	5.174975693
2.9918153	2.236119324	0.805698353	17.85135661	4.708454432	8.601557628	4.25732985
5.109527283	1.72742129	0.841457343	11.70177995	7.332813771	9.471511064	5.354132809
4.926535938	1.594977691	0.585231788	8.900762773	6.621433453	7.735761393	5.372941743
3.760251	2.560315526	1.44743124	23.27097755	6.405673066	9.500428377	3.534953991
3.045509311	2.451250758	1.022370828	20.79762432	4.525508218	5.538625741	3.12399717
4.750906579	1.228440017	0.282349892	5.598317352	5.06842669	5.743718064	4.624669366
3.337025041	3.438841394	1.75909265	25.56986492	7.349412352	10.27372361	5.140679151
3.593097481	1.568470582	0.521551626	11.28829032	4.957458285	6.349199015	4.322069999
5.463123369	1.218125284	0.373765836	6.014890958	6.13550883	7.050801742	5.485907354
4.297318137	1.457252205	0.503509263	10.00740765	5.318564865	6.466368212	4.841619953
3.984816539	1.463802759	0.416197518	8.426491759	4.82037332	6.699257948	3.625435587
9.202646875	1.209710881	0.503240598	5.078778581	9.952338152	11.18210131	9.09545888
4.317195158	1.130550732	0.156758705	3.499049364	4.50844321	5.846311647	3.998974969
4.138524124	1.811382967	0.736594445	12.70537604	5.603003854	6.898984635	3.875099862
4.60348422	1.367427669	0.431321652	8.170641637	5.615766668	7.170752133	5.069719774
3.841550986	3.506756339	1.889041302	32.10334119	5.492220638	10.29869564	2.883601242
3.118536889	1.953918005	0.553024452	12.63204736	4.599156506	5.240701554	4.191959852
1.389868953	6.220177055	1.665721848	38.23911923	4.56192441	7.903715178	3.813162865
2.719910383	3.527760846	1.455252312	26.08612185	5.52107805	8.908622683	2.624267936
6.243050709	1.30956386	0.474317409	6.575321453	6.797168425	8.080892519	5.805614681
3.561615605	2.277531333	0.894716198	13.2825106	7.103081699	8.596935395	5.513254952
3.624724737	2.042985783	0.860667514	14.51084379	6.107674557	10.26358362	3.799754395
5.650472121	1.473489429	0.64130587	9.053516026	7.427152581	8.874918651	6.248443256
4.933668146	1.279984156	0.322569843	5.851532728	5.394910512	5.827969812	4.739710244
4.312080763	1.744230306	0.779690081	13.09451947	5.854307036	6.771326727	4.999387538
4.416447056	1.365097525	0.411616765	8.434093899	4.751474212	5.772479918	4.082792564

6.667801073	1.396975645	0.534023823	6.268711741	8.755143361	9.848830862	7.644982456
2.800083486	3.064738316	1.525550951	23.65376925	6.815054372	8.737571907	4.807580011
5.029260442	1.580195606	0.692533725	10.83185106	6.224393789	7.565439816	4.138356286
5.964522121	1.733133554	1.313014937	16.74943584	6.635736773	9.312662	3.774364345
3.056176967	2.445299862	0.894147706	18.60619611	4.761429497	5.403216397	4.375800137
2.024139246	3.700588869	1.294168872	26.33682506	5.159084745	7.021175148	4.159478378
4.532400336	2.2027085	1.208053127	19.03699374	6.376928808	9.146556233	4.015591604
3.705159441	1.342894841	0.266642454	6.42226674	4.484044196	5.411387963	4.182993389
5.753439768	1.593766522	0.663136652	8.508818177	7.780827905	9.380400361	4.218157892
6.357836175	1.315450731	0.478906361	6.378706642	7.342036828	9.850969058	5.72128508
5.421025349	1.343908759	0.45408948	7.408235521	5.9340402	7.059394513	4.794133297
5.074738861	1.607615388	0.676873519	10.58721389	6.379400958	7.376088483	5.620288039
4.773367191	1.692691979	0.67743287	9.772023614	6.814316129	7.775657275	4.779244881
4.576281369	2.182511117	1.477736474	22.23963265	6.331755456	9.818108825	3.641170144
5.441312842	1.499620261	0.701503236	10.6566089	6.28122762	7.306922386	5.590886741
4.088211187	2.42327604	1.260023113	24.16864994	5.601726342	10.43722267	3.639081924
2.565471102	2.703403864	1.37483772	26.00180384	6.090277264	11.63369594	4.548674856
3.995801837	1.606177316	0.714045476	13.77385253	5.812650153	9.617188262	4.853018088
7.464909231	1.379037699	0.621070257	6.724291374	9.227477579	10.10475982	8.131824695
8.468057481	1.326996768	0.595247097	5.60138841	10.72235431	11.24461613	9.628662706
6.629886465	1.390520634	0.561997095	7.05311675	7.584487546	8.65346884	5.549260487
3.310507535	3.148115842	1.252317576	23.53838733	5.344248892	7.75979552	4.164655875
5.564324171	1.54099744	0.564890486	8.158718286	6.73061744	8.469157385	5.151116559
7.904657842	1.453703599	0.722328962	7.859624855	8.817663282	10.98711585	5.366808502
4.14772279	1.199893229	0.180012683	3.935811978	4.698712153	5.090394274	4.432918263
4.379337631	1.406795339	0.387205608	7.481679974	5.290058352	6.871954307	3.822714285
2.740158081	3.239738709	1.391744625	30.6416672	4.898449423	9.280160651	3.577719136
5.666066126	1.404655903	0.520021201	8.220571771	6.189585845	7.647558204	3.72471884
5.153913013	1.531544875	0.579947183	9.291372067	5.897950436	6.597887418	5.364791327
2.299832472	3.170829927	1.276754021	33.50319979	5.038926553	7.50854004	3.093611955
5.645449753	1.275046352	0.369588769	5.752027774	6.292650875	7.583606231	5.249484585
3.358123568	3.456708109	1.700069282	36.80724687	4.430019246	7.802605105	3.290631087
4.270516856	2.686677866	2.118476593	30.14590143	6.320259426	11.22263787	1.768526379
7.746394091	1.409765372	0.81413192	9.616928863	8.178228737	9.22453678	7.036854294
2.995083243	1.93420983	0.584827204	14.96376617	3.803566537	4.878698244	3.169371004
3.783861379	1.400270302	0.245700261	5.769215901	4.277522038	5.007837709	4.071034075
4.396252404	1.087454964	0.097130702	2.168872796	4.574591688	5.380084555	4.177712212
5.889608915	1.350025279	0.597126939	8.712848241	6.691792089	9.081319201	5.478627778
3.979710533	1.64063753	0.548669592	10.26221463	5.412687114	6.787146406	4.191869694
6.495538629	1.475620631	0.871436836	11.3046529	7.426019721	9.825822537	5.234824058
3.963289978	1.658952198	0.568587126	11.40271183	5.094543154	6.603740852	4.734812444
6.080708473	1.201155647	0.302922056	4.456788143	6.661076928	7.117751817	6.012133133
3.442084438	1.906031913	0.596129437	12.78297948	5.014882119	6.547914977	4.401398495
2.553060594	1.54036171	0.407638386	11.26923755	3.81940128	4.100819767	3.353104759
4.334514343	1.305813743	0.298154059	6.003770467	5.20146706	7.662336241	4.652780093
3.367866132	1.815553464	0.564429019	11.09119062	5.083224739	7.167597812	3.656745261
7.678640374	1.318302919	0.543255213	6.165324559	8.568767588	9.695992528	5.437823246

5.579800465	1.744420323	1.129978846	14.55780952	7.771898963	10.23328818	3.306778553
3.546188343	2.183208486	0.757321179	15.70871873	4.836322343	5.474726206	4.549876146
4.385997732	2.064296469	0.950163116	13.75777512	6.449727718	8.129740388	2.726962554
3.638049069	2.142173764	1.03581725	21.78689254	5.168461547	7.222937398	4.049020801
3.377904195	1.660866451	0.445600411	10.12007982	4.382420443	5.175312904	3.776677367
3.917324041	2.103211153	1.177571869	20.84615218	5.709137364	7.821120155	4.608766814
4.248628159	1.8308532	0.743558514	14.53966557	5.636627309	6.791334984	5.337231749
5.158898384	1.533066913	0.575605882	9.340124138	6.059578309	7.072197509	4.962823325
6.312600887	1.441320918	0.552433837	7.166336646	7.671718166	8.447296105	6.750013678
10.13232013	1.217111788	0.633305753	5.652384319	10.40205401	11.51708544	8.865189714
6.016353045	1.468321566	0.614044808	8.287704877	7.245020196	8.81974043	5.400079883
3.349105369	1.689495954	0.626310651	16.82570897	4.403106107	4.992364789	4.193693915
6.153906006	1.434493379	0.666526507	8.612441672	7.658014324	8.429236212	6.235553393
5.022256889	1.768325839	0.849211873	12.47562454	7.170134189	10.43382886	4.805828567
4.912095962	1.718857762	0.763731819	11.41435715	6.11832974	7.353695272	4.492918046
8.727447058	1.49383181	0.948536022	8.845627563	10.60199803	12.13211744	7.203987396
3.112910697	3.127707524	1.495150013	27.52861023	6.292494139	11.19230951	4.934327834
2.798603615	2.228961647	0.679262431	18.55915374	4.077625257	5.912597666	3.367586058
5.872557783	1.346055453	0.629435506	9.179673832	6.548304763	7.565812905	4.901341182
3.850382927	1.883679806	0.886093058	18.40185951	5.417990071	9.010663667	3.397852647
5.091569701	1.640637586	0.762302847	12.23319023	6.171033905	8.786947947	5.392641364
7.617495918	1.466753533	0.651334887	6.837056074	9.054217826	10.81430373	7.331967699
2.868785774	2.679719398	1.150251052	24.62921931	4.931236568	8.137377966	4.179918106
3.276814119	1.409540424	0.229435697	5.496141575	4.178638054	4.549480952	3.89743191
5.585356265	1.361518409	0.447461303	6.99601169	6.404364718	7.396247933	4.765054031
4.067401943	1.430981814	0.422602417	9.249721985	4.613266445	9.606944953	4.066107675
3.760716863	1.768227307	0.672140867	14.92790438	4.398585666	6.580869526	3.811020144
3.73628494	1.248243053	0.1563916	3.909666988	4.033984342	4.629920665	3.861829489
5.921083426	1.225508649	0.367321949	5.694612772	6.343432856	7.802232977	4.445422192
3.411027284	2.667837219	1.416720624	27.44542508	4.674968735	6.089434811	2.896466681
6.511100003	1.670820702	0.904999877	10.0667564	7.78595984	9.501970468	6.309582349
5.629088497	1.328058961	0.417020594	6.277168415	6.532946385	7.536189051	4.870016669
6.921270247	1.694976106	1.256047231	13.53256196	8.135848986	12.23083731	3.094066091
4.788656937	2.081293892	0.97083355	12.01248922	7.698267491	9.08005228	5.949922553
6.377154274	1.585170146	0.806225685	8.713920593	9.265503841	10.25178824	7.505069366
7.183801988	1.221886212	0.487729183	6.107912761	7.771862136	8.701066219	6.701153068
4.378855636	1.409131245	0.415366659	7.366636098	5.529514358	6.0425588	4.626393961
5.371948591	1.351648862	0.454786401	6.779842122	6.537869117	7.655345397	5.390796369
4.993281488	1.533443943	0.57918337	10.38094991	5.509254252	6.553519887	4.954752784
1.507442354	5.720451602	1.934380705	36.48972041	4.36559832	7.732283197	1.403272733
3.844573174	1.645976196	0.673057302	14.27327205	4.81308839	6.21345077	3.830289334
3.596537039	1.483712118	0.515335803	12.4182163	4.656981512	6.552034657	4.395004221
3.15812716	1.694594681	0.365660002	10.00635877	3.726711757	7.346548893	3.014804262
5.953131462	1.516991163	0.746050636	9.809659069	7.352231185	9.066542532	6.147634999
6.384703445	1.242376557	0.441195624	6.078021888	7.018617563	8.225014466	5.85411242
5.606184807	1.712510409	0.872561409	10.43859574	8.476999248	9.894631129	6.828896001
5.200831075	1.741100861	0.773332748	10.27745776	8.041461754	9.990717938	7.297519429

5.488973188	1.300232922	0.419814843	6.780201779	6.344229352	7.216881557	5.696945415
2.884413183	3.235430387	1.752250812	26.88242142	7.525578243	9.744767164	5.58351008
6.290304246	1.398233886	0.57822443	7.669964001	7.650525379	8.655653341	6.810229839
3.99579215	3.52903806	2.551577948	26.76681009	8.600572769	11.90610872	2.807022125
2.156185614	2.227144452	0.540744667	15.34212312	3.874968643	4.688559602	3.491869128
2.695066182	3.156613134	1.255382402	22.26331886	5.731583973	7.878827589	4.120847093
2.429445226	5.729888843	3.980896051	55.43127234	6.116618932	10.98896425	3.429536822
5.295687566	1.564730389	0.666988136	9.691324254	6.898652686	8.332368119	4.943282641
5.54789828	1.294353594	0.339757156	5.531744645	6.135838678	7.358030991	4.403319515
4.440450167	1.546853946	0.599048654	10.50335257	5.516209681	7.04241407	4.531619155
4.762799767	1.37362129	0.505008223	8.935254857	5.814908131	6.719652904	5.029326116
4.467038346	1.25479649	0.253940313	5.288145621	5.00724027	6.533499931	4.730826692
5.047463148	1.336994494	0.429349589	7.182006276	6.044988846	7.198054674	5.22496098
4.380395493	2.450717056	1.403425581	18.1469697	6.342431608	9.117077528	3.355884542
4.498479346	1.857640191	0.838349175	13.85240262	5.812990336	7.808228767	3.988402896
2.633166737	1.83976984	0.408433285	10.08131387	4.322289688	6.140567174	3.768715172
3.657067961	1.677224984	0.573752185	10.86990399	5.382272133	6.559407665	4.582488851
3.919341324	1.732152896	0.605639916	10.92652346	5.415117646	7.178729753	4.035491658
2.656065728	2.808603873	0.835714784	15.75188831	5.10315736	6.207209057	4.140135518
3.311289702	1.620180906	0.405374999	9.832960106	4.265736101	6.589257779	3.925153841
4.852657038	1.4478055	0.541511406	8.684376298	6.335351362	7.116945287	5.824985505
4.660356428	1.499772178	0.492806318	9.468760431	5.357913647	8.151765717	4.902591581
2.955725356	1.374746723	0.216444892	6.163413828	3.549134338	3.900837895	3.297867127
5.791090509	1.208553655	0.283992685	4.459698781	6.111127753	7.089343135	5.01735425
4.808024834	1.463346724	0.513481437	8.832113756	5.232566014	6.38171932	4.383691438
3.982076913	1.581037652	0.392058391	7.815622981	5.167254429	7.879551123	4.353201373
1.33789707	5.292204239	0.977294516	20.5820884	5.289891754	6.224540916	4.584585793
6.30350454	1.785424485	1.325414596	14.99973081	7.562927787	9.733695654	3.144773053
4.336135568	1.498713353	0.481654736	8.69337978	5.388182185	6.734400268	4.736365389
2.560559953	3.893257293	1.463508579	20.46705009	7.571242398	10.02124613	4.251200624
7.306280014	1.259109493	0.503001666	6.250805503	7.864821997	10.20430138	6.031071502
4.098233153	1.172623511	0.128481843	2.95052967	4.38360561	4.795488729	4.085239374
4.044491113	1.603199792	0.583794311	11.29477624	5.464292149	9.828951993	4.326267001
4.847431192	1.746634847	0.722450788	11.31238706	6.064941325	7.37405548	4.072120145
3.99725569	1.747219084	0.779353325	13.75643088	5.81930656	7.214390982	4.657569267
4.008613665	2.929292118	2.257116359	29.561637	6.453345873	11.07968447	3.40872919
4.985744969	1.698215555	0.962090485	14.3659734	6.740727431	9.889613815	3.721679973
4.152700162	2.585304685	1.600882854	20.85518963	7.659412695	11.07317969	4.242667749
3.921727688	3.648680683	3.111507765	29.59624426	8.323151238	10.88912648	-0.235224448
3.165909925	1.403135489	0.246658287	5.985779519	4.207169406	4.743723551	3.995830837
6.029144203	1.56241737	0.687681175	9.068913128	7.383439627	8.595371314	5.490445433
2.687604252	2.60129195	0.916656595	21.07991323	4.434298832	5.459213536	4.158156332
6.512639493	1.332813055	0.542248406	7.07859148	7.65289811	8.795949264	6.367551833
4.97826259	1.446765098	0.458388556	8.124092521	5.597205013	6.63526831	4.249505884
5.74759246	1.373492061	0.607472009	9.183253995	6.231518962	7.675035395	4.94424082
4.665999776	1.688733867	0.825837947	13.09839049	5.882065494	7.292806261	4.091016766
4.800432072	1.829289322	0.981955879	14.14164429	6.811131209	8.192129493	5.488062023

5.191665412	1.554301235	0.775242761	11.36120532	6.319081405	7.79661332	4.675119452
5.277314323	1.325545557	0.44243888	7.34672708	5.767026318	7.449077679	4.050560489
5.08810883	1.291655627	0.363072897	6.300258706	5.71243079	7.01075433	4.218298912
4.509880096	1.19067193	0.254036938	5.419324429	4.651558025	5.077291026	4.38145977
4.906328287	1.602830406	0.582854195	8.643431193	6.646703953	8.347598688	4.319898343
3.672111767	1.421031396	0.291890601	6.567501431	4.73968881	6.495451695	4.603172395
7.743176294	1.151799743	0.348196822	4.190480114	8.293946304	9.853455948	7.45243741
9.680307353	1.236826587	0.573637933	5.285252755	10.62354329	12.07354849	9.40116894
7.048161831	1.288462079	0.55382249	6.842978529	7.658669875	8.806150476	5.679713954
4.187649444	1.750776783	0.655281863	12.51695927	5.338334057	6.506317593	4.819676217
5.516968066	1.422637079	0.53560058	7.745329186	6.994493357	8.757598148	5.48295002
4.665105004	2.117756249	1.163084934	14.07907605	8.148382125	10.42274688	5.526962497
5.419913002	1.551269311	0.610832613	8.513387674	7.176267885	8.95065287	4.752843663
6.140501603	1.664791289	0.746556882	8.18022315	9.568898785	10.96006042	7.198758636
5.192649545	1.406523976	0.448102913	7.082921051	6.501934739	7.451273952	4.836283079
3.507855877	1.579180801	0.388367012	8.759858116	4.577102716	4.809318394	4.411428144
4.999739014	1.462756912	0.53713809	8.604258319	6.324102243	7.528430603	5.526598226
6.209516881	1.74461289	1.060749548	13.34698049	7.640761815	9.616497893	6.232788962
5.283751302	1.402021615	0.596100381	9.452932472	6.110904094	7.289157388	4.269320021
5.08124897	1.733642395	0.762910856	9.996540154	7.911456128	8.875171398	6.975736113
3.250121294	2.885588642	1.400624317	18.09762445	8.42229464	10.08213307	6.681532918
2.542259259	2.17418786	0.659641735	14.38894771	4.776492822	6.148558956	3.955494579
3.746877763	1.85237535	0.77568543	18.25887135	4.382120246	7.864730786	3.504445355
3.513198841	1.627547816	0.45403638	9.904450754	4.770645678	5.947546708	4.39873859
3.770287211	1.251176005	0.204430077	4.83434287	4.409568597	6.809091363	3.988686787
6.842805865	1.322922803	0.509940789	6.175532426	8.053321391	9.34037199	6.913932032
9.176214291	1.165983533	0.453543379	4.564059696	9.493949255	10.18046552	8.189839024
6.223092694	1.472250145	0.749068688	9.406368463	7.606681249	8.724012281	6.669133575
5.773289602	1.361077963	0.375546616	5.746268709	6.053809422	7.046002853	4.556921893
5.912686821	1.381220828	0.667239403	9.558019226	6.254773198	8.713697838	4.229746335
5.465585658	1.344460019	0.404807919	6.457534877	6.014322379	6.395238477	5.454484323
6.43995888	1.217171969	0.351707706	4.930276698	6.729495559	7.99593374	5.046864908
4.579124176	1.348801065	0.364458029	6.465430316	5.519440282	6.040810128	4.629685605
7.869941384	1.347391669	0.833466166	9.099478168	8.832980299	10.68951153	5.980594012
2.514204184	2.15844924	0.984457096	29.19578804	4.619120376	7.099245312	4.464810711
4.384194726	1.146062042	0.174065795	3.854285682	4.513463614	5.715557899	4.228075524
3.056602658	2.584333116	0.993815769	14.87011073	6.892959619	9.491104683	4.21840748
3.796640189	1.689083163	0.500322593	9.400139588	5.600013312	6.229912062	5.314304209
4.746900602	1.923889415	1.064986344	14.56788291	6.827368274	8.931517717	4.773749994
2.881049268	1.764846718	0.391971576	10.97922022	3.566156983	3.974778273	3.239824566
5.466573101	1.527954387	0.671064717	10.07016585	6.465311412	7.538431786	5.228156028
4.200029925	1.973726316	0.833875922	11.4468362	7.250502471	9.087814139	4.855213473
3.296737817	2.364404259	1.084204716	20.75764403	5.059279312	6.504785762	4.029962388
5.716798823	1.741990955	0.952722883	11.92508336	7.137424476	9.536822103	4.956200915
3.698459573	1.090379037	0.067058458	1.755770385	3.845212636	4.18340059	3.583545508
4.131691899	1.642848337	0.519384083	8.805232009	5.779669654	6.784557164	5.160136537
4.920978793	1.389461521	0.431683011	7.286499009	5.868792961	8.078158693	4.347604288

5.942665296	1.512172983	0.680562288	9.125756231	6.88343638	8.354470299	5.453877541
3.184969626	2.376230981	1.065062325	17.72980757	6.927857728	10.78021084	4.92110696
3.399127794	1.990539835	0.865504187	17.01363188	5.856269827	8.422046282	5.259137999
3.04938403	2.069346909	0.746141882	16.8969157	4.980220503	8.358546847	4.266665985
6.006830475	1.484241724	0.73780593	10.27165159	6.988328895	8.19014506	5.45096064
6.062642857	1.179616762	0.268986114	4.053202479	6.697098341	7.868897152	5.210356893
6.947368828	1.329157674	0.517340483	6.7160912	7.316166484	8.522748402	6.082910287
5.849339102	1.424057916	0.675804716	9.368633594	7.405077055	8.854867741	6.154588846
5.516588155	1.446837075	0.586343887	8.502313629	6.881656698	8.615664864	5.810902286
5.083606471	1.484347661	0.717012613	11.33114375	6.574588004	8.000004715	5.002933424
6.019166866	1.450891243	0.653922413	8.23928732	7.789483023	8.590222748	6.667118019
2.859629069	1.357300615	0.224704892	7.304524596	3.369608443	4.201730222	2.846270686
4.299374584	1.869217358	0.752083834	10.76298746	7.145536596	8.799711813	3.894411197
4.625961568	1.480423989	0.540619952	9.531838861	5.411534141	6.781720434	4.083810915
3.638384687	1.575100298	0.594255385	14.47419482	4.669536417	5.217595834	4.460368642
2.678422511	2.042764189	0.6512844	18.14110996	3.891109301	5.202466382	3.611679297
3.483314234	1.601934456	0.38793217	9.74585109	3.95633789	8.036040392	3.487446249
3.429809066	3.179194247	1.767643809	28.2077445	6.173172991	11.36193399	5.5159221
1.853186537	3.855811759	1.536552335	38.6160777	5.064209583	7.52848698	3.104524075
1.842564235	4.748533504	1.100253584	23.64817025	4.529021075	6.337949285	3.990128638
2.990159749	2.265144436	1.101025385	21.10417905	5.766112507	7.445220442	3.865163647
4.420261171	1.560595107	0.592506951	10.58171183	5.748370762	6.580221145	5.106455308
1.337018451	7.459234657	1.770369879	27.99366237	6.995944748	11.10466378	4.235027096
1.915019766	5.736344929	2.227528999	40.34410191	7.194793626	12.12597825	5.666270476
2.275135402	3.830393951	1.832301246	36.6910773	6.62030088	9.997104153	5.517826684
4.040744698	1.471815933	0.411494354	7.932385361	5.449296408	6.259603052	5.210354754
3.903922359	3.092859789	1.730112096	23.14520615	6.051321184	9.316759473	1.616322748
5.231313968	1.659933173	0.839062759	11.74241317	7.064800844	8.852815528	5.787857616
3.671727336	2.159820353	1.017465555	20.31155328	4.816507376	6.665194845	3.407412087
5.983870208	1.227420733	0.296322542	4.518165879	6.7783122	8.079336152	5.556019177
3.645858563	1.849321604	0.633551388	11.60269469	5.763714317	7.278116161	4.818564577
3.471130036	1.474247364	0.390473051	9.112714395	4.591973369	5.534086745	4.245872671
5.459459293	1.287999026	0.412611262	6.5275344	6.570889125	7.723336277	5.834414659
4.401414625	1.751677409	0.807505418	13.87564579	6.300114235	7.787647363	4.261407389
3.4815191	1.288570681	0.18862051	4.767840164	4.076939434	4.413139863	3.952284171
3.949983156	1.880105004	1.013984865	19.5041699	6.437543842	10.81133671	5.360163222
3.523760006	2.02689636	0.637863137	13.60658968	4.924596293	5.343347823	4.458287475
3.960880085	1.467817128	0.344166876	7.355792569	4.769108512	7.578158571	4.289496205
3.815923538	1.411854559	0.505854346	12.14150914	4.559227783	5.517474502	4.155205169
4.455017	1.485634358	0.404033615	7.532615673	5.295906849	6.654777213	4.799107589
2.952792175	2.357005288	1.11991915	28.09082246	4.782686065	5.690696719	4.38590088
3.246758237	2.501208081	1.031585788	20.99166619	4.802043002	7.925435077	2.685542132
5.062033119	1.900391106	0.971329003	12.73127056	7.834021642	10.03439146	6.614419508
8.066639753	1.271988347	0.644159209	6.878266421	9.155345817	11.12234668	7.402901181
3.416504582	3.376625743	2.384831132	44.05808198	4.657808189	8.41555879	3.565422793
3.495819152	2.723606211	1.305395237	18.30763938	8.22218973	10.31083727	5.946314571
4.862005999	1.803909715	1.03967428	15.1095407	6.742838251	9.012733541	3.348724672

9.220046591	1.237051689	0.55703645	5.387669181	10.25590507	11.43411816	8.432077736
5.183954316	1.534628634	0.630244112	9.94721293	6.421301922	8.194420347	4.621147552
1.910327422	4.289808357	1.73638915	30.31816361	6.642138501	9.817126222	3.167905277
4.093429796	1.931691469	0.963500922	15.26809509	5.922736572	7.81854538	4.323158069
4.986100393	1.547148249	0.587331458	8.908980282	6.433145777	8.279778881	5.076190433
0.845746001	9.989745846	1.969655412	39.71811472	6.247618895	9.992645215	3.126403241
3.231325689	1.74553632	0.460345162	10.28094402	4.896107217	10.07637025	4.432582065
4.74480374	1.375696458	0.369272248	6.746340226	5.651079361	6.711565934	4.911108251
4.987327005	1.569571383	0.612794905	9.522135561	6.877214062	8.432272703	6.119295849
4.373788061	1.956217488	0.943831258	15.44335559	6.52283519	8.803810853	4.94538411
5.023076356	1.585454005	0.576732233	9.277505518	6.34242001	7.351305851	5.081522702
4.734829294	1.219831313	0.216451575	4.13245436	5.131984099	5.750202595	4.493642029
5.087820334	1.391087957	0.363728521	5.998614294	6.121700449	6.912767313	5.580405057
2.835258597	3.001489621	1.441140557	25.41579877	6.678912238	9.301269637	4.336140097
3.855910388	1.24798381	0.181722488	4.376685198	4.274516952	5.203924216	4.034234503
2.923135288	1.302745476	0.205605063	5.987638529	3.553786559	4.151196154	2.870479052
4.653611306	1.493765982	0.42331987	7.849069939	5.377719153	7.237545557	4.893064688
7.170860195	1.194796546	0.316926248	4.02284354	7.718933726	8.626183906	6.500206745
6.531555643	1.618718561	1.062769612	11.97779529	8.167565838	9.804282767	5.704793945
6.797784447	1.482801983	0.864833827	10.27059342	7.99267335	9.639897509	6.075722819
4.602942693	1.287167108	0.248926908	4.530648313	5.550914749	5.861267749	5.015437509
4.135950572	1.700148057	0.595577723	10.18576359	6.213156295	8.57809935	4.377713114
5.660814246	1.544702831	0.663255336	8.963346129	7.417894247	9.092501087	5.154023286
5.03535271	1.465291673	0.55858792	9.582144498	6.040973202	7.293109515	5.035121588
3.437070202	1.703418646	0.795586124	18.05489379	4.987440092	7.267456805	4.429387292
4.371215864	1.544527331	0.473413101	8.043285797	5.890770063	6.500250511	5.032106327
7.035792465	1.16305097	0.258355367	3.313236383	7.695254405	8.515457155	6.740152819
4.093088667	1.6716004	0.633048287	10.98041922	5.903404333	7.520890153	4.898479061
4.497943184	2.013458401	0.914412465	11.91288353	7.888770786	9.474083744	5.671663367
6.451218927	1.173026246	0.322696989	4.639754915	7.020469574	8.298340379	6.276680571
4.000961079	2.360647402	0.999515251	11.83671522	8.670920697	10.07622421	7.820855821
7.740471811	1.160508093	0.296557874	3.498944476	8.476776151	9.985825494	7.142975165
7.520335591	1.353602903	0.539512958	6.107206969	8.778448033	10.91911967	7.054162267
7.434894775	1.277145641	0.471231715	5.453005569	8.669157758	10.03541228	6.630258537
6.701387761	1.311884833	0.425926092	5.454051327	7.899467261	10.09587719	6.360603284
6.546550877	1.450693269	0.74568961	9.194117997	8.111291977	9.331340778	6.913777977
3.66610534	1.625015564	0.430994822	9.3021804	4.74080384	6.621370151	4.198466177
2.640055679	1.493083294	0.304607755	8.304987396	3.807338037	4.758573964	3.418434116
5.676984809	1.419300144	0.57970626	8.062875206	7.262145023	8.478195431	5.866000772
2.456198687	4.107343476	2.30996118	37.1247087	6.247495647	12.09849286	3.599287952
6.741717265	1.546643387	0.882937311	10.52792937	7.751272195	9.365151788	5.546805786
1.736339901	3.74693094	1.028768423	24.03640943	4.938141861	8.798835179	4.156201499
5.064042928	1.347430045	0.397918698	6.89588732	5.610635148	6.070104584	4.966027086
3.781660749	1.476114634	0.388301453	8.771205847	4.488069188	5.398994304	4.181876694
3.3520361	1.379628109	0.258123357	6.379460405	4.174555452	4.744430382	3.917747506
3.099591528	1.996733242	0.523104107	12.95336842	3.998584971	4.723695292	3.480745462
2.330137479	3.184894353	0.789187689	19.17294032	4.138423751	4.674000216	3.856035898

4.680880771	1.34441208	0.323219655	6.224911686	5.169810561	7.052302622	4.695177538
5.412507337	1.273065288	0.372847886	6.201102295	5.781974541	6.534102475	4.668779134
3.185425851	2.383066998	0.965683883	17.46275445	5.648240588	11.5182728	3.013188582
5.492013698	1.343754157	0.444672433	6.537896716	6.887428595	7.439346361	6.045598076
3.062383619	1.278856572	0.172454562	4.858420103	3.568590703	3.89164043	3.174839898
4.239853933	1.660295676	0.64580889	11.03684827	6.179996597	8.147229395	5.085134731
2.777150691	2.774870929	1.297590741	34.85107257	4.395731349	8.773432989	3.245911961
2.6832044	2.714591845	1.12862765	28.09412702	4.382267141	5.651887646	3.863747327
5.60377335	1.726956905	1.011792817	12.33014814	8.704735615	11.87134551	4.259408556
6.804619988	1.452014356	0.710454936	8.446106742	8.189365888	9.408352922	6.151516755
6.419173675	1.277063786	0.429203276	5.686956065	7.124767503	8.225248415	5.730628886
4.744426016	2.345367955	1.564271762	19.17936461	7.504949101	10.85283172	3.533435877
5.626203705	1.336629817	0.460693071	6.805816936	6.439503985	7.612294562	4.694928598
6.819063075	1.230954395	0.444068385	5.839375095	7.252322686	8.885886727	5.005934226
4.894038571	1.230992073	0.305686116	5.602833151	5.446468182	6.080896985	4.740586276
6.585833865	1.448009426	0.581145735	6.676661257	8.565362416	9.789589367	6.72676913
7.389744232	1.36087847	0.51388893	5.855160071	8.646918968	9.861316019	7.518789974
7.426498775	1.381507168	0.589675203	6.243266275	9.458930635	10.21562952	8.699122698
2.9865255	3.05217034	1.198908717	24.07788298	4.862630218	8.712127791	4.013387234
5.775548711	1.386569191	0.516020189	7.305442636	6.702169577	7.875231629	5.551833396
3.084223563	1.260887845	0.164091558	4.951625817	3.272285865	3.645442446	3.049948342
4.306572955	1.516697966	0.51125877	9.045021264	5.632949617	6.883244133	4.286162545
6.73933221	1.631352314	1.053169079	13.12368039	7.523970323	9.591127144	6.164608762
4.66708464	1.821195147	0.678786404	8.943946405	7.600489703	8.528236336	5.734417369
5.920908735	1.408308512	0.636804726	8.928534656	6.655390989	7.607051617	5.062967339
6.702839816	1.267932668	0.461147474	6.000012169	7.320622058	8.272579869	5.939133967
7.269426677	1.143711241	0.232191646	2.948686753	7.638717028	8.275871025	6.477464525
6.33857143	1.427624289	0.565769641	6.975387814	7.981879027	9.211136551	4.807578618
4.514179306	1.489649729	0.4783313	8.758890197	5.590185956	6.758083175	4.913261552
6.483987172	1.180142125	0.305272323	4.318568321	6.842577372	7.930960583	5.846239519
4.041766366	1.470625199	0.46592375	9.514454969	4.917191471	6.785863166	3.397933878
4.875567299	1.422745457	0.571108524	9.483503217	6.244806795	7.036033014	5.128874996
6.323836386	1.437736724	0.534570942	7.180207305	7.363536941	8.439840426	6.237233303
5.922547363	1.298563939	0.441494609	6.310717496	6.778227436	8.052334606	5.891735117
5.816289881	1.354749135	0.423951961	6.44475778	6.542052725	7.006216733	5.859958796
6.300653645	1.207127585	0.356911209	5.254143846	6.508545816	7.512266736	4.910561899
6.137709425	1.418163531	0.52675469	6.729133647	7.648022092	9.026836066	6.257313068
6.68057455	1.276592281	0.471088866	6.003247299	7.890104827	8.848285761	6.780058762
6.345856009	1.361987913	0.484965131	6.252912877	7.800421448	8.945951604	5.663507246
6.635030192	1.380904655	0.613589515	7.674519149	8.037431187	9.03474437	6.775333784
5.354749033	1.24742825	0.263021241	4.530004606	5.73459239	6.243225072	5.346464019
3.010939745	2.280501074	0.719911751	12.26325067	5.942812893	7.5855479	4.202951914
5.099997633	1.210934823	0.277964521	4.942203257	5.623305252	6.454681094	4.878981843
6.618433954	1.414286259	0.521989641	6.276392426	8.063382834	8.767648675	6.378690282
2.554984967	5.019348522	1.969927217	42.852533	4.125662542	5.839509298	3.501308587
5.704592237	1.410113741	0.61009081	8.731782568	6.661421913	8.33453344	4.26408868
5.424880971	1.228546801	0.311544869	4.991633118	6.328077927	6.867741605	5.807288447

4.118761883	2.306388716	0.962850555	15.86375805	6.200853798	8.001359885	4.853783496
4.619963702	1.392657989	0.447389677	7.665575777	6.209588187	7.855108453	5.031570954
4.539156351	1.486618329	0.546156075	10.46133224	6.150684862	9.300236694	5.401701874
4.811876242	1.915692525	0.951894541	13.21592637	7.971205855	11.18912953	6.520285895
4.096782062	1.093264841	0.102185161	2.360861569	4.441619398	5.185556682	3.984045311
3.298704747	2.409317665	0.960003238	16.00239912	6.323779489	9.02589043	4.904409391
3.466493982	1.71984423	0.575829604	11.71238719	5.179243462	7.269171501	4.471616048
4.212947705	1.408368107	0.358994797	6.609174407	5.474400285	6.431256534	4.127411301
4.277554906	1.710602974	0.669431325	11.06100994	5.508776638	6.368689824	3.830759726
4.108476557	1.753965578	0.891082439	15.66682315	5.796843338	8.950004197	4.120282002
5.571173955	1.436862849	0.486492811	7.790111406	6.094820062	7.608504038	4.960629437
5.572062393	1.528133228	0.619254122	9.288567656	6.537379479	9.097328938	4.378032495
3.974008714	1.282323574	0.195342931	4.508705025	4.458925495	5.957346093	4.109201422
3.809971799	2.275917621	1.270124398	18.40394998	6.51019275	9.787845839	2.086130292
5.338766219	1.709048798	0.737100015	9.44544901	7.848507079	8.707558918	6.826217289
6.498655712	1.496834669	0.677455011	7.540415174	8.555397845	9.945550755	5.287350412
4.993863261	1.247937045	0.323728163	5.813773304	5.558350719	6.89574478	4.939996825
6.657364437	1.214233952	0.317673239	4.226133472	7.443245187	8.221963743	6.638478898
2.75274653	2.955278444	1.503518909	28.51326093	5.553503886	9.466951588	2.94625815
3.843286663	1.53456295	0.581349807	11.70068514	5.052914232	6.119721929	3.98607085
3.518616289	2.074941048	0.869637049	17.10696536	5.11328901	7.6413084	4.442401666
4.819592359	1.870097241	0.904081885	11.83862494	7.186509172	9.200035662	3.028981712
3.701387658	1.398958932	0.326816832	7.031436126	4.724830194	5.335386587	4.271966186
4.114655526	1.350370746	0.250287011	5.632900116	4.567723009	5.248560507	4.307134907
5.288396274	1.348559832	0.469221428	7.418353401	6.226968566	7.688004424	5.357168719
5.27400708	1.644277931	0.620477708	8.24733425	7.222906243	8.760400121	5.483640772
5.191312166	1.432983119	0.536563087	8.478726862	6.396051133	8.332569949	3.759250783
5.777608309	1.303390692	0.408776728	6.003174619	6.70480134	7.657401118	5.603585086
3.636893912	1.671289014	0.542538121	10.26539951	5.291396309	6.324963508	4.370723696
5.841145553	1.70367738	1.113305277	14.4945579	6.693005281	8.78538602	4.46250079
6.716085468	1.432150652	0.687370041	8.738453151	7.917748703	9.209107427	5.404937955
6.206876012	1.401154498	0.724944025	9.749687627	6.883906886	10.41682243	4.334712718
4.159204269	1.503687855	0.553586203	10.34474227	4.957185962	6.810423904	3.687235018
2.749971531	1.93129015	0.500588798	12.743216	4.04441911	5.73260211	3.562065153
5.519220632	1.321054288	0.464781119	7.236734243	6.525045321	7.485232475	5.284050855
2.723262469	2.135854456	0.568649773	13.30153425	4.396904711	5.019583521	4.08168467
6.224996769	1.19598009	0.267850401	3.973983317	6.616711248	7.460313531	5.933233628
5.402085885	1.233104527	0.304678528	5.071057202	5.929968541	7.093598946	5.102639438
5.421541401	1.384829424	0.476948028	7.628561065	5.968011576	7.105138626	4.895290744
3.971885395	1.422212212	0.315855815	6.563840026	4.963769719	5.573025227	4.575803727
6.253378992	1.35883736	0.482347465	6.643999803	7.131302995	8.174034308	6.03845285
4.267008213	1.786950026	0.770232043	13.0482652	5.442792145	6.390626978	4.605220114
4.285205936	2.172486815	1.037529998	14.41614728	7.037461137	9.158353715	3.962239066
5.470824003	1.601957037	0.787664461	10.31782857	7.754229368	9.245297794	6.638064612
4.414333061	1.332747795	0.377031148	7.168259882	5.191023895	5.698190265	4.563577571
3.924569516	1.496268257	0.50979823	10.44319771	4.703343817	6.530460767	3.73375668
4.653591294	1.288609731	0.337727682	6.619497859	5.166672455	5.757636959	4.424492551

6.030994912	1.344616789	0.426037731	5.807307328	7.334234212	9.196569765	6.298232006
5.933126339	1.456255138	0.599049359	7.954658859	7.180432831	8.657276235	5.170806315
5.80538503	1.470941945	0.651581191	8.379424299	7.959338562	9.701049825	6.374677959
3.607603011	2.846301312	1.436426786	20.57480826	6.562553985	8.583015833	3.542116643
4.442945407	1.632781597	0.81638229	14.25031417	5.598003268	7.016994269	4.277265772
3.007302486	1.366284585	0.301490825	7.678292913	4.170865098	5.276960629	3.518026406
2.98061495	2.12375773	0.691356947	16.3054365	4.167901115	4.678010135	3.933651619
4.012718359	1.239902908	0.18140834	4.1151107	4.421256	4.815247791	4.149520683
3.370492082	1.341185594	0.220108516	5.779976876	3.845363214	4.737888078	3.434499721
6.863450866	1.376304845	0.728772536	8.823717562	8.420479046	9.920593217	6.379105938
3.360803917	1.862823524	0.649144149	14.85312869	4.546481993	5.75671575	4.125098269
4.532868737	2.392238397	1.589261012	18.52486226	8.283984241	12.37614679	4.381999693
3.512384436	2.222937046	0.955438718	17.12542694	5.188725921	7.741803589	3.630562168
4.086974171	2.225739578	1.441548603	22.8470401	5.897869402	8.702319954	5.098569733
5.017119276	1.709041333	0.824894559	11.68830775	7.093927552	8.723267656	3.959446878
5.126319327	1.5876262	0.733035435	10.18266689	7.460259898	9.822983734	5.667275305
6.069331784	1.578882832	0.661925229	8.969723678	7.24840218	8.46277481	5.644500027
6.160650316	1.460769124	0.730493896	9.557420323	7.17621194	8.099615612	6.091551918
6.513252071	1.323831583	0.552127681	7.31334519	7.360286653	9.606270899	2.693689463
4.674209912	1.758990076	0.943338652	15.37461678	5.725015449	7.081498579	3.852107215
5.888993796	1.830416839	1.101644465	12.34662435	8.922193425	11.17407396	7.185532252
4.017358343	1.797451725	0.761588602	16.47863751	4.959918286	8.94613177	4.457462077
2.615764236	2.97804779	1.170631453	22.17674509	5.432275851	10.87754063	4.517052476
3.244927599	4.417867336	2.178835167	44.58980054	5.323206544	7.609503858	4.181433605
5.550899112	1.775396711	1.140810972	14.37482596	6.752837965	9.375610585	1.594525626
3.708007641	1.569217178	0.515673489	12.08473212	4.605618061	5.165871211	4.343391215
3.785398601	1.485215412	0.414085962	9.915893003	4.205082605	5.374261172	3.907260538
7.281075429	1.574148477	0.911275528	8.728125353	10.4794016	11.80019686	8.498781353
4.676406977	1.219974998	0.213714523	4.174542122	5.17715263	6.649574332	4.867781392
5.435550832	1.25671108	0.293036103	4.802802309	5.953483213	6.601858264	4.914217918
5.022696565	1.408918251	0.436600256	7.492767489	5.757557897	6.739080207	5.011217073
3.292521081	1.737057379	0.437123231	10.4219493	4.19348337	4.463885705	3.953611034
5.332836077	1.367253789	0.452133078	7.229951431	6.118892385	7.269387215	5.203462086
6.007484376	1.556811047	0.75384412	8.761249902	8.808034224	9.541353734	7.798795105
5.08102698	1.838510025	0.819676267	10.35000747	8.048239001	9.445548173	6.385942806
6.353556676	1.165695615	0.271756466	4.000118492	6.796056552	7.868770086	5.690486532
7.395486358	1.270759419	0.471912926	5.36389465	9.007703205	10.88087847	7.513227309
4.784912814	1.900463741	0.986697334	12.88629195	7.419389013	9.21742291	5.657993519
7.854555385	1.148288736	0.261364531	3.077906934	8.428467543	9.602427187	7.337768972
7.896423079	1.314363009	0.516502781	5.573778736	9.391463748	10.20616553	8.377099119
6.811230732	1.400930675	0.712587827	8.231762525	8.874314457	10.05991428	7.452405757
6.452313922	1.581562667	0.763657794	8.360034918	9.14243795	10.30157564	7.504382085
5.504750124	1.48056067	0.533658473	7.435264694	7.35041804	8.630597451	6.440511773
4.894465949	1.75094617	0.997254748	13.79197337	7.881700926	10.5652383	6.05569041
3.017283342	2.703606304	1.363011551	21.92270721	7.370265756	11.22448234	5.260851554
6.993455358	1.320699232	0.573133113	6.951026763	7.929302433	9.037676901	6.472021539
4.603297292	2.058256517	0.994143412	12.66482639	7.806918872	8.841257733	6.097211265

6.908291438	1.307286106	0.511914176	6.313794831	7.984128191	10.31401568	5.976981735
8.025173386	1.262115076	0.4176126	4.513581331	9.083153578	9.591188909	7.801043646
6.758651542	1.404624063	0.53248683	6.157370499	8.502352847	10.55752696	5.905273831
5.1187981	1.89948953	0.838726064	10.0188066	8.413126516	9.698563716	6.962469128
5.987559412	1.594752663	0.65297437	7.818806936	8.59698666	10.02890154	6.18409315
5.397394369	1.468216199	0.518760411	7.089554045	7.375985332	8.692772536	5.269156119
4.051161936	1.672995934	0.546865157	8.862614837	6.24197819	6.718569638	4.531257499
4.782466956	2.022015241	0.983809689	11.71154664	8.655695189	10.46673058	7.668715904
6.050509268	1.271536424	0.473827845	6.791489337	6.919018848	7.848405236	5.424659655
6.619707842	1.305628007	0.434356319	5.723577714	7.544363225	8.403315295	6.030158904
6.056483592	1.298017245	0.408863865	5.71032279	7.367421024	8.482158757	5.816222143
7.886595162	1.276826863	0.521222203	5.694207911	9.175646533	10.70831846	6.548401899
3.131214711	2.291992036	0.889266247	15.82767933	5.516477103	7.591440071	3.589347317
4.466331007	1.471864842	0.463083143	8.426710108	5.25364841	5.930197067	4.385588861
6.540132062	1.25308767	0.394957628	5.469821568	7.136852557	8.197163886	4.229434006
3.01197783	1.758150461	0.477041576	11.90155721	4.164641894	5.087897913	4.004559291
2.504399469	2.243223452	0.666924524	16.32766052	4.648355682	6.640596845	4.213007373
3.464738679	2.625024828	1.049947398	25.27631079	4.179925471	6.496546936	3.744375136
3.463607431	2.4043622	0.976889567	17.77186659	6.052363498	8.096773367	4.608994865
4.474698791	1.199022121	0.17214247	3.358891406	5.250373668	6.260083421	4.921144116
3.225399412	2.462626962	0.924712494	19.70151593	4.958946108	5.831471195	4.403513076
2.864252887	1.223881168	0.197314982	5.939968964	3.534868832	15.27501424	2.888719376
2.326598939	2.951769381	1.186885956	27.05311079	5.287436127	8.759922221	4.212849796
2.140814199	2.621289128	0.986317801	31.31808079	4.139879541	5.286926814	3.748201406
4.189848358	1.308097772	0.231827659	4.979389122	4.745426145	5.145580259	4.632020257
3.372142702	1.447161994	0.272679513	7.13322624	3.806860588	3.908866654	3.496722952
5.822105095	1.400823453	0.460287275	6.659537453	6.696498713	8.352646977	5.697817249
3.667113504	1.372167703	0.483465503	12.01116913	4.379523937	4.692941753	4.055130708
5.821190904	1.256436307	0.384979473	6.035161117	6.181921239	6.968812617	5.361859404
5.950913622	1.224888465	0.342581358	5.151247388	6.649729914	8.037481169	5.620234631
5.061286851	1.229696806	0.273166933	4.943628081	5.639424865	6.055205528	5.238941329
4.731147119	1.291984491	0.263894346	4.741196989	5.670339456	6.487553242	5.070580514
5.499219306	1.569365424	0.767262828	10.69739813	6.757312877	8.855435017	4.949858299
4.16147643	1.3081623	0.28929816	6.192281916	5.044541388	7.107783756	4.660762045
5.121201737	1.230296954	0.284673359	5.016721467	5.539194375	6.529658537	4.712121764
5.133578583	1.264578526	0.285396912	4.833226519	5.714423127	6.645209587	4.953795568
4.945363556	1.449924383	0.475500329	7.981620292	6.210266687	6.845368607	4.546352695
5.900849994	1.34464248	0.553004952	7.830168222	6.595900673	8.634764676	4.057027228
4.47789153	1.611625984	0.586292542	9.940721235	6.070549075	7.705436681	4.989759892
4.796524194	1.530735474	0.680323018	11.64440066	5.483509133	6.698861426	4.510399815
3.456586952	2.082169421	1.015959029	20.9300253	5.700990529	10.16178229	4.270808845
3.219909992	2.579335451	1.195245311	25.87114675	4.687916658	7.821061508	3.222920783
4.585074638	1.56522688	0.621460024	11.32019652	5.543276608	7.276412295	4.769709008
5.309359086	1.551474345	0.741562146	10.82685643	6.972989788	9.382910961	5.328973627
5.175822286	1.848874113	0.863204851	13.08012978	6.291827955	8.910977205	4.278836848
4.904696129	1.370985298	0.355405766	6.179008652	5.438467768	6.142327722	4.180669269
4.377856888	1.55793459	0.547131022	8.871799188	6.448597464	7.881025791	4.949002577

7.352428662	1.575916327	1.086555757	11.34605657	8.665816821	10.77990344	6.743215102
3.723369306	1.910826253	0.571767974	11.96141523	4.86682208	6.733482143	4.595018449
3.721606463	2.350930916	1.279584114	18.75504915	5.858469477	8.005008657	3.945200733
3.603563633	1.823241095	0.59350697	11.22186804	5.795339202	6.697766386	4.962977861
2.799623608	2.726236153	0.918379975	24.54948365	4.221840705	6.287994936	3.603935391
5.42932787	1.631902077	0.607533636	9.475734675	5.923437827	6.850277203	4.332170113
2.116953254	2.204123558	0.794933212	29.85330024	3.651343277	4.12168912	3.007613409
6.687404322	1.360293746	0.616767669	7.567180239	8.349665466	10.14704306	6.912553562
6.403524579	1.47453516	0.566880523	7.545974487	7.096467791	7.67990141	6.249389019
2.441056866	5.776272781	2.644025107	50.46491866	5.351983872	13.19594205	2.381405829
5.093057237	1.258840562	0.299548584	5.558878992	5.435184727	5.943075025	4.967648772
4.30517695	1.313065926	0.273623615	5.827888468	4.893992123	5.683201532	4.454048811
4.977105112	1.662068336	0.679361747	9.77928895	6.683069167	8.180161856	4.476479394
4.802701645	1.209122628	0.214347448	3.883235352	5.641174059	6.30491615	5.183259207
5.11097419	1.861117779	1.006977182	12.90253619	7.386626833	8.758930883	6.011001067
5.571845742	1.428774393	0.575138034	8.567899547	6.716880246	8.357910759	4.097219702
5.097035467	1.329479808	0.394026749	6.488237458	5.816358526	6.631560091	4.698326622
4.613580912	1.611425152	0.623220863	9.664978922	6.197520118	7.532670129	4.763424316
5.288414153	1.189199611	0.290110715	4.93840847	5.72283187	7.131795562	4.044431001
5.199270054	1.376486094	0.369772356	5.924085118	6.139716977	7.264032991	5.328449423
3.895340232	2.011220921	0.93926162	16.35400886	6.300022837	7.978214418	5.247683217
5.070230693	1.282944265	0.412407684	7.125250608	5.757761764	6.965374314	4.794551198
5.617762132	1.258055661	0.373247602	5.917810058	6.394529939	7.953477527	5.231207121
2.676770601	3.281326044	1.527513486	28.57298102	6.334777942	9.635289166	4.36404047
3.749873408	2.90681348	1.838681372	30.96249607	5.281743155	10.2235533	3.525682529
3.895800143	1.215898629	0.197997421	4.383518569	4.588674251	5.232621468	4.161650707
5.407479348	1.238480183	0.304319043	4.848843123	6.163401219	6.955730724	5.415710407
5.999429697	1.430955606	0.516365351	6.522511054	7.676289003	8.749745555	6.220702194
7.309440566	1.203901321	0.303943557	3.843178186	7.659996987	8.768201104	6.082501534
6.53338973	1.507829033	0.710337389	8.746638501	7.885570214	9.512445668	6.640955097
4.176160803	1.549057252	0.543765982	10.09952856	5.440219203	8.062339845	4.043957531
3.467584708	1.3629943	0.37126857	9.966211061	4.111156171	4.6238394	3.915101605
6.618054836	1.191247998	0.303553922	4.179809572	6.957186311	7.876457268	6.134558738
3.958733802	1.596875551	0.523507147	10.03118992	5.432542471	6.753935339	4.264008014
5.311368705	1.915606725	1.350834296	16.84322732	7.709683009	11.46267736	5.224864399
5.765459868	1.418380908	0.576968889	8.653745328	6.622985932	7.77252687	3.98932561
4.611060501	1.953933468	0.971669846	13.2094622	7.703897821	9.559432879	6.036598958
5.266515013	1.500015923	0.744411048	11.72982283	6.334677141	8.161979314	5.549276619
5.236840804	1.663159555	0.78187506	10.10017776	7.843439043	8.948959485	6.721055637
2.799660483	2.98713709	1.238082353	22.72220141	6.540493358	12.53717869	4.817534065
3.520562136	1.71390712	0.718252428	15.15137899	5.174277287	6.776024834	4.011060348
5.077538763	1.495014065	0.69848946	11.70035096	5.868585897	7.373334912	4.726402144
6.129327358	1.311235891	0.471114279	6.747659407	6.818880878	8.297186121	5.941254922
6.677666292	1.349619076	0.437611748	5.091945338	8.361961471	9.152361514	6.8904723
3.42806589	1.408387762	0.419002173	10.1427546	4.558177035	6.061243433	4.267937908
4.166221552	1.629214082	0.608681907	10.45008761	6.033496084	8.15697155	4.587449528
3.996010341	1.4598673	0.395103701	8.821589616	4.384925905	5.792046671	3.963956268

5.135396935	1.74904646	0.895660199	13.55546662	6.289959221	7.607740023	4.524879062
4.807832527	1.321840163	0.404888216	7.585180026	5.235539387	6.195020596	4.55740524
6.482095405	1.370097888	0.514197862	6.683881399	7.471782971	9.405540161	5.649331921
6.240246141	1.482432175	0.775644478	10.54693496	7.909422563	9.716435305	6.937699965
6.195203904	1.348620177	0.462312714	6.309507374	7.227073898	8.741441213	5.660201472
6.135768496	1.266208973	0.431245312	6.192219738	6.881181431	8.349008084	4.581145701
6.33171597	1.571794656	0.718298555	8.005875376	8.990229989	10.04369069	7.562377448
5.039175313	1.302099774	0.352067707	6.013341053	5.913326336	6.483943506	4.690095758
5.093969702	1.386906598	0.515297883	8.614452438	6.29029162	7.635952385	4.58964983
5.431348523	1.275596374	0.331095433	5.166772539	6.277765597	7.210191195	5.307263086
7.175788746	1.393254259	0.642802686	7.147755394	9.028771176	10.21810032	7.631561933
4.583900905	2.157094266	1.048512146	13.69913521	7.10887124	8.356526532	4.682351604
4.322990161	1.663252817	0.627727563	10.09006763	6.380604995	7.878046604	5.485146283
5.331474336	1.345214686	0.42159206	6.9505923	6.255067596	7.625738025	5.42367936
4.888263177	1.429749881	0.459487737	8.220931521	5.537852846	6.498122769	4.72845183
4.223083324	1.330291597	0.308951887	6.2775017	4.861101145	5.839609217	4.353881806
4.971656728	1.213183587	0.309034337	5.893047396	5.174172343	5.75103414	4.349445381
6.558160596	1.43478807	0.590158644	7.271890585	8.269135951	9.056612998	7.454312574
2.46369081	2.881198005	1.358053947	35.31099677	5.322181963	10.0196245	4.393992646
3.309138097	3.14105758	1.986924171	31.63204647	7.142708497	10.53492885	4.416841488
3.663008314	2.77512505	1.4302238	19.31974729	8.014007246	11.54972965	5.132099255
6.577806477	1.567197915	0.73318336	8.666428917	8.370341251	9.987709194	6.5751697
5.110432382	1.561714583	0.635318564	10.4573292	6.361985486	8.973537204	4.946653921
5.631992827	1.489041271	0.663038344	9.854871962	6.208044309	8.42666381	3.232879569
5.971673454	1.237337605	0.392040842	5.885775026	6.352208089	7.344506319	4.841602715
5.94177108	1.377243335	0.543804093	7.465018385	7.220124223	8.071005567	6.159772596
4.730377315	1.664483606	0.802248108	12.32614725	6.207033195	7.391008592	4.322346652
5.802095566	1.244196251	0.402764194	6.156457998	6.398118529	7.289692461	5.271139508
6.377620106	1.528478778	0.822573063	9.402600689	8.807771217	9.830401871	7.446940284
5.778201061	1.598780984	0.967390133	12.6401173	8.223459762	10.29288426	5.987199325
3.875177077	1.326525166	0.341836067	7.644875537	4.515293617	5.796983017	3.639663417
5.429442734	1.668134938	0.735634431	9.532308916	7.593312623	8.789035852	5.95136459
5.373350468	1.361711856	0.546994241	8.498919722	6.25277147	7.353184048	5.339096114
3.189331723	2.533801538	1.406377751	23.98421291	6.386343746	9.504837782	3.722150108
4.199461842	1.261815192	0.207513816	4.533567325	4.623946216	5.349310032	4.12475358
2.424451674	2.416991723	0.5447917	12.68587931	4.334387324	7.025111704	4.026556706
6.839446745	1.610131523	0.797095549	9.508809769	8.134238125	9.412154959	6.30269573
3.025018731	2.461076908	1.049135761	22.06673921	4.681381296	7.04638403	3.906214979
4.995989	1.632019828	0.662261354	10.14513149	6.353720079	7.507178418	4.885838578
5.23415146	1.475819645	0.664936005	10.09825302	6.929906458	9.566650203	4.844176286
4.848790907	1.591470425	0.61582655	9.904102986	6.110327614	8.480419545	4.425583508
3.5246941	1.427183246	0.344249102	7.938494473	4.473589905	4.901575597	3.906693809
2.781080672	1.585940182	0.427501814	10.90925032	4.142809842	4.595290602	3.866803782
5.199224195	1.533747304	0.601534174	8.97348134	6.851962371	7.865985536	5.532163735
3.991418261	1.572789989	0.661754005	13.26455415	5.906337999	7.725291492	5.006935745
3.324143793	1.899410821	0.63589557	14.8114331	4.161273178	8.40742637	3.721739733
6.112548827	1.285719472	0.496175959	7.059694383	6.652122333	8.518884474	4.382717974

6.644207607	1.333775561	0.597245356	7.65154958	7.545396198	8.693524324	5.651562291
5.712237938	1.195374393	0.287971171	4.669663467	6.011175473	6.501683883	5.45232241
3.558348234	2.398756383	0.944556679	19.50813813	4.810154551	7.339363506	4.481627059
5.42857538	1.594023305	0.783243197	10.96806077	6.831356735	8.866129092	4.321160229
5.103469336	1.35138027	0.441956092	6.98643089	6.214970514	6.826159329	4.618012433
3.061492149	2.417237741	0.826162369	13.12467681	6.526093741	8.853884663	4.68471397
3.854313966	1.479895125	0.397795898	7.946749376	5.225453032	6.907357447	4.221272547
4.98373861	1.526564843	0.871862754	14.06417069	6.764858699	9.269939443	5.359890739
4.731540373	1.903844	0.854915808	12.3517985	6.626191313	8.668770903	4.953310023
5.683017984	1.385363182	0.549361073	8.304516631	6.60945664	7.684057943	4.884653331
5.97848226	1.369496173	0.544922402	7.521665253	7.228202793	8.388821899	6.507617979
5.468226361	1.20331846	0.240234367	3.996966539	5.982644464	7.142064972	4.903451486
4.054049709	1.467721454	0.364967504	6.940221039	5.40779729	6.584694395	4.84686161
4.236428344	1.482417511	0.518483587	9.987030744	4.881807778	6.107542488	3.665036542
6.596091743	1.239762051	0.446130238	6.003796843	7.181265985	8.506159809	5.930127231
4.344820864	1.620365541	0.521846391	10.01598354	4.995361496	6.222620954	3.284709758
3.748860594	1.20155878	0.137337886	3.27890003	4.292190952	4.698081305	4.087690639
3.233720993	3.836797702	1.865279553	28.24761256	7.594092065	10.07783416	4.636069398
5.102169119	1.277616687	0.380159636	6.562692278	5.741452667	6.467505018	5.252723547
2.673785764	2.921341439	1.097533281	21.86359617	5.425414845	6.82694899	4.620465905
2.916919182	1.89956715	0.500735224	13.06994317	3.765577358	4.077428985	3.602043179
4.861104539	1.329841271	0.497458307	8.929839653	6.161841449	7.847101406	4.118781955
4.204389547	1.341673726	0.27683866	5.759363929	4.913752571	5.51115429	4.726606049
2.940112658	1.294659774	0.174112093	5.096876945	3.500844233	8.577549653	3.251105834
4.732388241	1.994329448	1.086950254	15.38802276	6.525527334	8.432524893	4.143039773
3.371858209	1.292767035	0.199227297	5.13487928	3.949150886	4.148545725	3.785747447
4.150049683	1.283508923	0.213081637	4.681417042	4.678497179	5.352472948	4.04196713
3.861807323	1.405662423	0.33679613	8.113388768	4.148233964	5.863875574	3.843541681
3.20188626	1.31273839	0.179078308	4.863598461	3.680829468	4.159550378	3.323043086
7.19963031	1.372735796	0.637727981	7.510598395	8.18273707	8.882999206	6.418464217
4.398159886	1.845310751	0.765042522	11.83541214	6.181055338	7.514539255	4.152186339
3.366999071	1.431582894	0.251563339	5.96894608	4.337389359	4.765510596	4.057606521
4.626100142	1.643804336	0.571060509	8.679859352	6.597198589	8.041033254	3.668906813
3.108452604	2.200236653	1.01933066	22.75042276	4.450181321	7.887901077	3.145181159
4.197769898	1.897352221	0.62151312	9.70902771	6.644208704	7.419549517	6.012042385
3.234469852	1.996862861	0.828756506	20.78497804	4.705929978	6.976790854	3.718679964
3.726209544	2.565621272	1.41530265	22.54920853	6.472119337	9.041285703	3.60387566
2.940024463	2.956984687	1.38394712	24.93019477	6.705483041	10.48157586	5.206714063
5.257918984	1.286668558	0.346847081	5.961675191	5.737314773	7.148679483	4.93584427
7.295566405	1.312868617	0.552750435	6.531100941	8.119671867	9.299911208	4.685756336
6.445493646	1.417057092	0.672665289	8.350963374	8.03460707	8.780525261	6.839463946
5.235993753	1.175400936	0.260483713	4.632312863	5.473153709	6.382767322	4.409000542
5.651454724	1.280399575	0.40456991	6.122949986	6.672167498	7.145728662	6.198568489
6.518220331	1.540406182	0.681682729	8.216212609	7.985507686	9.742586883	4.605157165
5.455168758	1.464901906	0.525796257	7.482027572	7.18266655	7.951702552	6.640696785
3.812813732	2.231470148	1.215086425	19.27007533	6.801875992	9.729758946	2.868741032
5.555580541	1.248293285	0.345731638	5.507217986	6.273979059	6.901098987	5.268711813

4.243435258	1.470778804	0.381838715	7.28174514	5.219250661	6.267643041	5.090369374
2.67307835	1.852394744	0.462953844	11.83035215	3.974737175	4.826012816	3.660267616
4.946815379	1.715408427	0.903244592	13.06694306	5.979674438	7.645512889	4.67988988
2.931835798	2.631518267	0.846551054	22.44365081	3.842442568	4.289361877	3.638843999
4.877380431	1.271388754	0.320670865	5.936934977	5.427180264	6.483766023	4.215736036
4.753128048	1.508145384	0.524970002	8.885079662	5.845557457	7.811327601	4.59536116
5.650533088	1.39154301	0.56074089	7.841532271	7.054850488	7.78359563	6.192140139
3.971904364	2.324746654	1.014389671	12.90792677	7.909262665	8.844068206	6.152953041
5.797992127	1.611507111	0.941550263	12.27640508	8.093695728	10.34568781	6.786720809
3.93648643	1.18275024	0.140655987	3.292832973	4.336507733	5.286785686	3.883631424
8.828595209	1.153845487	0.340449159	3.509241466	9.744427043	10.96189982	8.390348769
7.796702164	1.500999034	0.732096214	6.627593898	11.10782228	12.16379148	9.769275976
8.581903524	1.223942855	0.546349208	5.692625596	9.373464817	10.67843587	8.181456751
8.178409665	1.127839916	0.225932484	2.641134561	8.567239766	9.391260697	7.546342461
10.18924815	1.195297453	0.453002327	3.907685995	11.59150353	12.2171878	10.63060492
6.153118091	1.206390269	0.352475387	5.178734352	6.711738565	7.310860611	6.114094166
11.00999921	1.100808567	0.293321472	2.512862133	11.84270184	12.62351214	11.01200432
10.12075474	1.201277208	0.440376439	3.787654244	11.6527764	12.61318021	10.864477
8.058414718	1.290319829	0.60655688	6.427044031	9.295555743	10.79388956	7.383236415
9.495660737	1.265058761	0.593033145	5.330918137	11.10720737	12.43255416	10.13209918
8.237043963	1.419798092	0.664304125	6.454368984	10.15259835	11.77625677	8.990093589
8.320629705	1.174929463	0.42068659	4.619238382	9.178142099	10.47499934	8.19659013
8.850163303	1.356900476	0.606673749	5.540541826	11.04694262	11.89077665	9.920272725
5.554043433	1.474733377	0.518436564	7.885568331	6.762620586	7.571511627	5.922076755
3.963422908	1.60432529	0.496283499	9.218942969	5.758490801	7.352603821	4.688129905
7.642103645	1.325779279	0.472684073	5.143025872	8.966793684	10.65044714	6.466780153
7.529831979	1.400883839	0.598434256	6.090069252	9.774745796	11.50871519	8.827510222
9.712669493	1.264486329	0.624438085	5.497983916	11.40439147	12.06933667	10.38207303
10.54277686	1.138554999	0.32595904	2.795103655	11.58025348	12.05596479	11.17516262
3.993304982	3.489402601	3.494692072	57.0947281	7.146420642	14.41199738	4.346790088
9.004205946	1.319981948	0.632822593	5.931893691	10.92077667	12.27675853	9.620781496
5.796371636	1.462026598	0.652445281	9.201808544	7.031348926	8.17155331	5.598678997
6.205115424	1.508711264	0.741394551	9.849849599	7.000234755	9.022292983	5.786550505
6.160652694	1.451952568	0.646356156	8.246278526	7.531637167	9.433163359	4.812233725
4.937011729	1.560042715	0.604548622	9.401073845	6.504384039	7.307684883	5.930225538
4.964317941	1.488693616	0.600709137	9.877440533	6.180132778	7.960409982	5.29205432
8.82406209	1.367580191	0.637330913	6.020699402	10.6772679	11.89902777	9.53488819
8.6700588	1.15927761	0.369541382	3.935065383	9.423096483	10.09749502	8.528283362
7.061281908	1.329621156	0.641807649	7.508372333	8.45828601	9.57018535	7.614527794
9.159796446	1.200341401	0.354888033	3.464915001	10.35489525	11.09587352	9.464674316
9.098015045	1.106575242	0.234061292	2.406972665	9.858923577	11.04495911	8.882406572
7.336684822	1.561966319	1.038356881	10.41990852	9.732789626	10.72217971	7.842862813
9.985118702	1.189344512	0.428577603	3.857265828	11.09052601	12.03861145	9.656093396
8.724923555	1.32131755	0.838637097	8.598456118	9.377513968	11.14163325	8.16113315
3.375374706	2.391182721	0.930190668	19.11151695	5.411747257	7.830361154	4.366389522
5.574545229	1.543316001	0.837544749	11.01366561	7.627871288	9.450873005	4.893440146
5.871873257	1.385220705	0.484209002	6.975490682	6.705811467	7.749340882	5.163440758

4.682110384	1.603740098	0.554920174	9.583406207	5.57626334	6.43008837	4.729489234
4.843203758	1.713668735	0.724362631	10.44995848	7.119209916	8.879768149	5.965405716
0.936130302	8.828546883	1.98176418	38.12253051	6.514487395	11.22365265	3.402226869
1.997289612	2.383852331	0.55753166	14.38054112	4.042679156	4.400265299	3.860034821
6.323344061	1.194081305	0.340271891	4.955325229	6.520378819	7.278674465	5.5270193
5.375611462	1.219612476	0.267551714	4.512499494	6.034407397	6.560300273	5.554414467
3.809771816	2.599141856	1.295602088	24.20847742	5.37996408	8.403489614	3.547984123
5.852877994	1.406415	0.450308631	6.180540257	7.055672607	8.256824264	5.298240059
5.291153722	1.267242229	0.306284117	5.068296565	5.87642619	6.509635342	4.657160457
2.080933497	5.33582613	2.351987488	36.57284514	5.221033581	10.34127796	3.311525864
6.388308322	1.388433518	0.55848714	7.136835239	7.652775524	9.240760598	5.344571797
3.043570723	2.322100856	0.909768168	17.74781054	4.788110344	7.599086354	3.454623726
2.242864612	4.625644263	1.501790565	36.32491323	3.939408659	4.624323629	3.598340741
3.948158942	2.997956617	1.721468301	18.59184669	7.838627007	10.11069261	4.416150098
6.460998627	1.24970027	0.375905852	5.057608917	6.984919851	8.757914399	4.766979351
0.308164505	32.95299133	2.2505842	44.07782849	7.181199068	11.45932167	4.477834513
3.833985943	1.663050321	0.545383427	12.38686367	4.842799275	5.136446714	4.706935988
2.386668672	1.841618529	0.70280519	24.193623	3.997300804	4.324176753	3.419527304
1.69230308	4.401684027	1.626810574	40.96597939	5.926303902	8.080581839	4.672165684
1.24570375	7.152964899	2.226581619	46.73045936	6.638195436	9.187881148	5.483155537
5.252482248	1.801163685	1.326740528	17.77706528	8.137931348	11.61430217	6.726093991
7.051909997	1.500664416	0.911550405	10.01108515	9.461200628	11.18251723	7.599751749
3.307691254	1.746344261	0.448359277	10.89143309	4.466560255	5.093323918	4.302896892
6.773960597	1.31751031	0.592741623	7.233750979	7.882912224	9.153714525	6.875780263
3.088848341	1.585588977	0.577121	16.21563906	4.622552062	5.518884663	4.318172805
7.503395471	1.203185846	0.39199901	4.693491911	8.170713349	9.31574682	6.27263686
3.041151892	1.768808345	0.440811175	9.774708573	4.514299027	4.921076169	4.121315603
3.797333204	1.508665643	0.467329398	11.05217881	4.13469775	7.408265261	3.476600532
5.165332691	1.955419106	1.311519301	16.40180889	6.755705481	8.889292979	3.330363139
4.15962746	1.404588369	0.390834655	8.080701149	5.097472582	6.89369077	4.451026886
5.480415906	1.882553237	1.025336612	12.72296234	8.09722517	9.892040036	6.08527874
7.491450335	1.324636153	0.59232389	6.837412663	8.231722012	8.979670869	7.279068105
9.246574701	1.273166311	0.695027989	6.49751422	10.52299972	11.42527669	8.906833935
5.092164544	1.69503329	0.958314807	13.20150373	6.355410587	8.656127202	3.444761076
5.285608964	1.382180851	0.522446057	8.415021793	5.875082098	6.774310839	4.78938907
6.550145915	1.342764396	0.501094959	6.428300287	7.939989592	9.095751756	6.852431368
5.914476973	1.332028862	0.406896196	5.881625256	6.714687245	8.289593199	5.75604427
5.336493848	1.273374262	0.35525556	5.740538451	6.088256779	7.068328656	4.896720083
6.977767854	1.211282381	0.353085812	4.535487843	7.537448856	8.652962043	5.756045756
5.178375603	1.371792703	0.40011449	6.611333116	5.930112735	6.863072409	4.618653499
2.414927751	1.522616228	0.246330353	7.896210655	3.672923163	4.097621807	3.446623643
2.951291184	2.411294022	1.0990298	22.14939479	5.65299153	8.348254891	4.627410879
3.942415168	2.263939736	1.256528071	21.19129828	6.091587881	8.277123742	4.119845347
2.518345924	2.334311238	0.67757295	15.27549537	4.500382007	4.932379501	3.750014865
3.966698799	1.533952872	0.385102469	8.20747535	4.705386474	5.872140289	4.015567987
3.313956495	1.618522396	0.444426925	11.38314931	4.034201046	6.392108886	3.720844798
4.994194375	1.698397208	1.122236007	16.81513208	6.931040198	8.471592428	5.043338213

3.490313073	2.669420373	1.396361577	24.61738357	5.436202145	9.917787412	4.166016572
3.511324231	1.664178448	0.47602203	9.591652988	5.059279149	5.529271115	4.857014486
6.637750179	1.460632929	0.575819834	6.574168179	8.43534151	9.875481403	6.886213211
3.74533865	1.37293465	0.256766149	6.13561037	4.21153456	8.337828327	3.722097423
3.190685924	2.927102458	1.82728234	28.79254334	7.635095442	10.48308019	5.064975949
2.606698933	3.114182189	1.430664181	26.34832477	6.776213472	11.05371297	4.698427176
2.987007402	2.325278875	0.8983852	23.1548476	4.426875786	5.784606204	4.06701368
3.32142969	1.690887136	0.732130025	18.75224291	4.607388848	6.08992409	4.008070034
2.309604849	3.587007345	1.282001553	28.96457278	5.279869795	7.781235847	4.193721216
3.609940135	1.312645333	0.261705513	6.216817833	4.326836195	4.947587916	4.060149272
2.393475979	3.809284003	1.884775932	39.11465615	6.703522758	11.38032586	4.826423701
2.33768709	3.63019838	1.387002658	27.05935634	6.230659775	13.65422657	4.583204591
1.659813556	5.124062347	1.991437154	61.21185762	4.717466433	8.783789361	3.975365949
1.836126371	3.552835649	0.744692974	19.66313118	4.075305235	4.841496722	3.468492095
3.456711315	1.554673715	0.301751169	6.889134293	4.428519421	5.15190389	4.078435023
1.949466141	2.157183439	0.892479172	34.0398001	3.785797829	4.547016039	2.541698242
3.371011212	1.612922623	0.523160944	13.16960365	4.407322703	6.395299666	3.946260272
4.630860116	2.033823371	1.314002	19.83586759	6.556405958	7.722992538	5.64229178
2.831687952	3.155814759	1.690999307	24.39767765	7.489247155	11.328684	3.161049305
5.230975624	2.241680979	1.587508229	17.16892474	8.650877797	11.22650858	4.138544664
7.421169767	1.499038531	0.980337803	10.52285988	9.349308722	11.4481561	7.098154211
8.263777134	1.297805374	0.797548028	8.329769216	9.668611816	10.62074172	7.657178635
4.083071373	2.313773083	1.475148037	22.28380985	7.003913806	11.76616607	4.787557687
4.829547041	2.130769412	1.094143514	13.66494383	7.747091948	8.774524671	6.621518457
6.925265771	1.417242003	0.750182235	9.217686278	8.54672591	10.35335992	6.21134753
4.573430212	1.762131745	0.593932218	8.765034753	6.839891743	7.469347234	6.107376823
4.731225507	1.863119541	0.795303028	10.62634003	7.197225515	8.436807839	6.004382044
4.960321953	1.687659921	0.748113771	10.66991565	7.047985354	7.579558657	5.866751242
5.85984044	1.583967536	0.706763417	8.345839476	8.454917859	9.321578245	6.878635655
3.222388128	2.282330206	1.103660524	23.21962726	5.453050262	8.574942128	4.33503861
4.854834895	1.61349882	0.658666515	10.11077404	6.422568712	8.262815878	5.160757217
3.157275043	2.834936091	1.715113045	36.49895638	5.050528321	9.732459274	3.439122859
3.7428124	2.081749371	1.08112746	19.2285422	6.145654704	13.37859527	5.199300036
3.478904229	2.462425106	1.180322367	21.48242265	5.587785419	8.513554246	4.502355148
3.999667174	1.867658857	0.775455091	14.69786358	5.793867547	7.72991461	5.215427018
5.239025799	1.460120038	0.634572909	9.68070462	6.413361569	8.499921245	5.623355746
2.943599663	1.206009734	0.128341369	3.81576209	3.432925608	3.907477408	2.995195071
2.460994333	1.527198956	0.259248199	8.034974676	3.322292725	3.901287267	2.710418826
5.270775689	1.85902503	1.036255809	12.99963646	7.600006228	8.964238863	5.140892876
8.484634606	1.266911772	0.566162167	5.970460399	9.295499434	10.87340608	7.860565936
4.413826901	2.023982376	0.838672514	11.73489875	6.86385632	7.550871683	5.802082442
6.357917718	1.290446878	0.439468042	5.931604285	7.291009936	8.690532619	5.537828716
2.905247043	4.232747712	2.743682255	48.26492987	5.011334577	10.45012315	3.189322222
2.495630229	4.210599982	2.628921273	48.62856618	5.856856904	10.49844079	4.298043069
5.232039038	1.334181963	0.367207407	5.635376075	6.41314681	8.196384054	4.68783821
7.44779678	1.237856078	0.414516443	5.042965384	7.920314335	9.78716411	6.399611971
6.837243708	1.32669964	0.630847153	8.00064687	7.718627684	9.307556593	6.016947723

5.467572729	1.573759251	0.730106065	9.867543447	7.394511075	8.475901965	5.75265702
5.434430189	1.370141758	0.472869872	7.645279144	6.173048558	6.974803414	4.644355668
5.955763323	1.404239247	0.482300552	6.505155248	7.299876725	8.111688705	6.153820504
3.999985641	3.347917507	2.466160682	37.81421246	6.746491024	13.6113043	5.600686498
3.248196553	2.118541534	0.796343316	16.05952314	4.936866457	5.692323513	4.594831935
4.445255304	2.860872879	1.809715437	26.6508044	6.133888075	9.032379763	5.053510776
3.735156484	1.332785573	0.209039118	4.925551389	4.329992958	5.143460981	4.017464686
4.819112371	1.681705463	0.829207457	13.22145509	6.293008416	9.15704692	4.229146747
4.100629363	2.225705228	1.470522841	26.10370593	5.504159536	8.473208445	3.262248611
2.531708472	1.795321538	0.437446281	11.54214006	4.020002311	9.402009689	3.620488186
6.689396342	1.583991584	1.167118066	13.04465733	8.907553906	10.51953322	7.188940771
5.113173246	1.772107811	0.931912252	13.77954422	5.843893366	7.973228519	2.918080069
7.79213454	1.311422239	0.574989407	6.352379126	8.921807997	10.16127294	7.756225804
4.556896339	1.596880458	0.608431858	11.56004585	5.377279642	6.423932592	4.990596363
6.10997322	1.295530056	0.405597774	5.626763678	7.441742844	8.897309835	6.206448974
1.422050132	6.416223615	1.98325288	38.81534231	4.63704671	8.981158468	2.416790235
3.698551386	1.672458047	0.572417014	12.33677434	4.523575964	6.20383688	3.913640534
4.494374571	1.678591677	0.554088568	11.28894047	4.945596099	5.685053207	4.484385209
6.668662555	1.421171613	0.725337181	9.459779908	7.648166189	9.297811797	5.30319792
4.798989471	1.692776315	0.846923419	12.40857612	7.235194775	9.010502845	5.097380054
3.078281102	1.756229176	0.578012483	15.36239318	4.250689995	4.920850589	3.943850425
4.124569343	1.832628391	0.800125398	13.05523958	6.471519647	8.451380235	4.644802111
5.14127275	1.69369754	0.971636174	14.92224439	6.035650878	8.895286798	3.284144722
5.710072731	1.687689771	1.234309973	15.56635867	6.962383809	10.06680858	3.820426325
4.482798461	1.73913684	0.608186387	10.69165873	5.767966822	6.511322228	5.366639106
4.272895887	1.825142564	0.864818161	16.31776148	5.380485113	6.823964595	4.551618082
3.169620266	2.036943496	0.826764453	20.64209358	4.398328267	7.4603816	3.134751698
3.855195497	1.586007592	0.440399285	9.017352643	4.947760382	5.607873271	4.260693888
3.839345751	1.435330971	0.357875694	8.318011206	4.258680108	4.785897203	3.956717252
3.20246134	2.246347172	1.217997366	26.72250077	4.777953223	7.205212943	4.116225398
3.042324951	1.818089986	0.522690417	13.27078562	3.925684653	4.593283983	3.644569507
4.787662998	1.318642423	0.397270307	7.282656228	5.576903933	6.43382753	4.745646182
8.375025965	1.286314245	0.429874943	4.530618547	9.126700402	10.16739949	7.966388335
4.417631321	1.389026149	0.484798991	9.627037851	5.184737677	8.194442018	4.215611712
3.366467165	2.297226087	1.235089698	23.66324698	6.506352731	10.18500454	5.297558727
2.247779952	2.390209885	0.580068394	13.59144077	4.632670717	6.954447497	4.265770986
3.896654487	2.332569305	1.310012153	20.49273401	5.998177328	8.494568136	3.451450566
3.631359868	1.321421305	0.235791513	5.678680853	4.221018409	4.732315103	3.837360041
3.350522225	2.100606129	1.020361662	21.58072482	5.283257669	10.63668425	4.113613592
4.000155192	1.695243202	0.748231527	16.02059435	4.691375751	6.340687286	4.201218822
4.095245207	1.714471047	0.722438498	12.76592653	6.012554088	7.934167852	4.798341432
3.14938714	2.054155134	0.916830829	17.74772059	6.039396049	7.806067833	5.054861901
3.574207941	1.256106616	0.215578787	5.497800145	3.940582027	4.647754865	3.750346531
4.247841685	1.565302335	0.619516166	11.70538481	5.762433429	7.051780326	5.18632189
2.697135865	1.454650749	0.213799975	6.589754932	3.240942665	3.546795674	2.72945143
3.931147136	1.2923481	0.239987022	5.702002994	4.226784806	4.876743162	4.002657435
3.728400375	1.373035613	0.279724224	6.444404911	4.803083972	5.578704493	4.456280673

6.087646086	1.565925082	0.741348809	9.43548432	8.116649904	9.853184715	6.664827953
3.38255852	1.483365102	0.436729033	9.996590219	4.611385979	5.448658376	4.119495903
4.591826445	1.630241945	0.572074634	9.442044654	6.165812934	8.304981108	4.006224635
1.920664152	4.859880554	1.208416522	27.56619521	4.205237553	4.726165173	4.030946665
3.827135843	1.642673015	0.664702989	12.48952348	5.670327608	7.326217243	4.085289308
2.979307942	3.217459516	1.55947154	35.58475152	4.036896546	8.065838697	3.294643796
3.758908115	1.185383804	0.132385506	3.251076649	4.143994278	5.073380619	3.975747609
4.481066338	1.677358726	0.648264595	13.11980166	5.027850498	5.878249279	4.788854278
3.196237952	2.053253387	0.630220837	12.03207277	5.288170956	6.725382327	4.348516905
3.241210817	2.444081552	1.378464558	25.57095713	6.070896596	10.66048059	4.297045786
3.964051625	1.387669349	0.305020572	6.518036703	4.688574126	5.585910447	4.455466665
2.933035456	1.563382978	0.359106976	8.785038839	4.296422253	4.799819412	3.721026463
4.262729176	1.62128923	0.648619807	12.17961061	5.262631456	9.848862556	4.829379034
4.808034014	1.641279184	0.807281558	13.16132638	5.475285285	7.05407659	3.576011822
4.783572421	1.418069196	0.537178024	9.835917978	5.662505216	6.631377721	4.847004161
3.450168921	2.561054295	1.072307111	17.41551316	5.626866339	7.007671889	4.019943219
3.00412991	1.894041775	0.581378456	13.21314207	4.670747468	6.503914649	4.067223467
4.689399273	1.366943148	0.427502003	7.405710392	5.876544017	6.623878652	5.025911016
3.376752465	1.732801145	0.440306281	10.82137428	4.078287865	5.12376381	3.290487475
3.715125297	1.218416665	0.169362696	4.19410708	4.013891515	4.836202386	3.474415753
4.681265506	1.869675296	0.876201839	13.24730287	6.585215617	8.151725427	4.440772231
3.540605104	1.312582973	0.198672322	4.767688885	4.146320689	4.420515863	3.96193469
5.076788762	1.174779874	0.18943768	3.422992493	5.50970444	5.87489555	5.083333234
2.546581686	2.613352309	0.758564432	18.1787717	4.60814043	8.175723731	3.233820673
2.997876293	2.205025094	0.651380083	15.62716834	4.205443137	4.906146396	3.755108013
2.220574694	2.988275347	1.432847346	32.82687045	5.231521086	7.344407719	4.353982888
4.099996789	2.279707673	1.37093526	19.45883305	6.295499235	8.794618455	3.515035458
2.062926993	2.148683168	0.396441423	10.45419396	3.824212736	4.101175301	3.69086912
5.150667695	1.901312996	1.269288929	18.22075367	7.871526661	11.79584469	6.251925397
2.946045299	2.855746693	1.071612925	14.77966737	7.223399096	8.365790205	4.391145456
5.141058341	2.126361191	1.415682896	17.68063332	7.51564011	9.191051193	5.537320195
3.183116695	1.49579615	0.265454406	7.436726012	3.576961953	3.962371347	3.195981949
3.729273664	1.387633353	0.298714686	7.11007426	4.311753113	6.724703297	3.419483036
3.176666803	1.877184406	0.657360226	13.64543446	5.227279158	7.738917896	4.090690807
3.363166572	1.485827882	0.283365459	7.254258178	3.916998322	4.262653032	3.610792996
5.673016222	1.222993792	0.39492616	6.268262022	5.9429023	6.753899283	5.081989625
3.631392624	2.954570337	2.383255306	38.07877101	5.344364671	8.606298915	3.974083369
4.267941841	1.969149167	0.817653197	11.34689469	6.554700067	7.48662376	5.567647342
3.564433572	2.094232527	0.80000497	15.8863881	4.852418573	5.805129814	4.348855529
1.783053995	7.377309063	2.921530112	45.36305461	8.087665177	14.25867663	4.503333951
0.630093926	13.54584864	1.840153473	31.15594646	6.682953978	9.137184096	3.416423604
6.342534755	1.286693087	0.491155284	6.673106063	7.116223788	8.600660108	4.004963348
6.062598387	1.289653841	0.485941278	7.079134113	6.464404078	7.226131553	4.81833127
7.336337485	1.331581984	0.553024748	6.548158556	8.210259816	9.67898975	6.387921172
5.623243371	1.348447236	0.406960857	5.946661945	6.680383005	7.802385118	4.621539932
5.555819692	1.186235652	0.234184976	3.944957084	6.002004295	6.889560945	5.070685502
6.238987839	1.284540994	0.453855213	6.156149465	7.235239924	8.233270878	5.759965945

6.136272305	1.332528903	0.469941227	6.835920265	6.574682352	7.698706634	4.871488316
5.843429952	1.211888786	0.296849534	4.70037298	6.325021237	7.722019009	4.991680492
5.339364778	1.339448642	0.369078703	5.861499351	5.865656296	6.825659651	4.503710987
5.779273761	1.356514541	0.514802291	7.703646818	6.65071965	7.96813243	4.67349658
4.717296276	1.846460487	0.768955802	12.79912213	5.833581086	7.107292457	4.91453178
5.70380729	1.169643733	0.283997396	4.585546304	6.065448077	6.806677643	5.085222676
5.376404782	1.398794778	0.517866961	8.439184901	6.169199042	7.699829114	5.087179528
4.87389495	1.821018155	0.826811532	10.63678251	8.08560298	9.42430369	6.248863411
6.523873207	1.40263049	0.614340509	7.599132443	8.264164324	9.176152466	7.267551612
1.212870146	5.996545989	1.053231486	23.3308793	4.460296383	6.964187219	4.047832634
5.487520018	1.486112428	0.524550491	7.876044405	6.660501424	10.32833864	4.462467506
5.358757031	1.223747298	0.321405088	5.383545236	6.148523445	7.273297724	5.813107203
5.224921602	1.336882266	0.435368292	7.286525165	5.73904239	6.617123753	4.607328548
4.21718652	1.238400554	0.17181448	3.822044634	4.455382938	5.260626124	3.954490425
4.917161963	1.438631291	0.45242429	7.219603166	6.283948183	7.115521778	5.643950737
4.288763562	1.64039378	0.868971641	15.72191896	5.505960449	6.871025746	4.411419072
3.956271661	1.566713875	0.484342342	9.58728837	5.266016122	6.573601175	4.862444822
6.160901548	1.393037702	0.463665869	6.574127188	6.963453327	7.721886155	5.570587077
6.883601221	1.359276153	0.655956527	8.224859409	7.673284589	8.902710586	5.037978193
4.753686698	1.674355556	0.660809942	9.853817376	6.807416786	8.229260355	4.78694601
5.768253057	1.579218261	0.66327701	7.919815593	8.778500703	10.59053814	7.175034483
5.995214291	1.299731199	0.31547131	4.442640084	7.240460078	8.055732393	6.589238818
5.544761853	1.655500882	0.689109384	8.443769613	8.221918124	9.799043639	6.813729096
5.991757941	1.313946534	0.465693136	6.69954443	7.082113472	8.333735148	6.022454256
8.719541996	1.27641924	0.500417258	5.024874203	10.13824085	11.81594781	9.267657478
7.04625055	1.337803589	0.560759142	6.6546075	8.373030397	9.206654037	6.592500022
6.087846875	1.359640151	0.545748111	7.622049763	7.132555675	9.395500031	6.294922871
6.348020739	1.380781157	0.626346545	7.99666222	7.890569197	9.538856428	6.418706451
6.184934156	1.671930032	1.102435991	13.34787305	7.433445641	9.379604391	3.779114836
5.344101704	1.532156239	0.571622103	8.935043747	6.131066428	8.230458256	4.48469655
6.704993684	1.38417272	0.701142321	8.621207623	7.552093486	8.879716325	5.627211595
4.49147042	2.08611964	0.97580892	12.51477425	7.607539207	9.412614708	6.213556843
5.547489669	1.347407531	0.444742278	6.85752783	6.322818128	6.934906618	5.42692811
9.684439648	1.213631134	0.53280918	5.066408525	10.30902429	11.23974888	8.858162079
5.905850065	1.717567833	1.372083974	17.8417204	7.140282731	10.57642155	4.627943824
7.71752299	1.160060069	0.337237122	4.003727279	8.27169177	8.886587469	7.215430018
5.706378442	1.447069344	0.54951278	8.174309608	6.419015437	7.061724803	5.322373158
5.808825719	1.262937116	0.386333421	6.227250532	5.784057555	6.571881867	5.149678087
3.468148887	1.747361765	0.526135442	12.15872322	4.362116277	6.94418702	3.680438713
2.218560703	4.094120358	1.324492766	25.24415527	4.917846664	6.457474701	4.088161918
4.998701825	1.614791301	0.685685516	9.707531692	7.263557652	9.608496604	5.558788515
5.196514201	1.866456327	1.338449695	17.59064283	7.694896438	9.857017736	5.325214084
3.525491919	1.638731729	0.41971331	9.19592419	4.825082619	6.295948055	4.501262963
3.013594506	2.817046577	1.327811669	28.36311213	4.630065644	8.122795692	3.867968585
4.857514399	1.418402379	0.430245418	7.663957585	5.580709354	6.503515108	4.884223423
5.978276675	1.209168623	0.250901574	3.847276033	6.366873311	7.215646255	5.189441743
4.233234173	1.41310626	0.340309133	6.590755385	5.060911261	5.368053359	4.496629542

6.055180791	1.144280991	0.240837839	3.744382298	6.299313694	7.398838613	4.970991011
5.040122871	1.619257376	0.85843559	12.89893971	6.142644517	6.830181551	5.129171569
4.219770811	1.650910269	0.527688646	8.732644334	6.218186046	7.644212261	5.213175258
2.960697605	2.387251017	1.072342096	21.97535336	5.282420957	7.225236767	3.948250058
5.72682432	1.625284852	0.860596502	11.35007353	7.905403982	9.198264277	7.094220478
3.396834822	1.12149179	0.086316689	2.382056177	3.626319608	3.952570186	3.250438257
8.129589289	1.456005575	0.838891757	8.209391649	10.25340687	12.1553678	8.154575274
5.438938776	1.36611134	0.5003626	7.71370582	6.206125588	7.994330055	4.204200197
3.706344888	1.549066765	0.470274475	10.83782327	4.662232623	7.383591437	4.211384204
3.247239154	1.971716139	0.556152474	15.00102344	3.833189398	4.747580462	3.277814456
3.608480139	2.260357296	1.327183603	24.82715841	5.185401222	10.00949389	3.540330787
4.970228435	1.786599875	0.942704478	13.88431598	6.778660566	8.821133732	5.021859313
3.763968155	1.169096265	0.121305526	2.8985178	4.252878374	5.285335481	3.831217994
2.92114284	3.733058217	2.12864518	28.6924263	7.754268484	13.73277969	2.754211261
2.766802934	3.55167275	1.656308958	29.06244537	6.837103812	10.74385072	4.691743943
6.434883884	1.237562804	0.458410428	6.319342234	7.020971444	8.808257341	4.310857995
3.285266989	1.311224802	0.359403123	10.08795972	4.068810018	4.513817052	3.630210078
2.678528097	1.688834247	0.342789852	8.981844575	3.854620652	4.24088873	3.421123649
6.336456437	1.255696914	0.324708294	4.667586991	6.79874935	7.901249633	5.571349572
5.739598479	1.239611704	0.31161933	5.026923099	6.078946519	6.481971672	5.621657434
3.858932233	1.588688745	0.477182939	10.00129902	4.81973331	5.619274001	4.548490027
4.199472078	2.025820721	0.933739941	17.48966765	5.600260304	8.508340381	4.939161257
4.263367596	1.372050394	0.325579694	6.655083536	4.95630931	5.41188394	4.573193179
2.734131881	2.679832899	1.167481881	23.85899151	5.671836646	8.16625677	4.463863667
3.134400378	1.724055586	0.409043289	10.04411982	4.489731511	7.16836199	3.807438464
6.161799469	1.494457005	0.75930915	9.581450733	7.707407706	8.964091712	6.191087047
5.603892297	1.429953304	0.594086592	9.187810705	6.252413514	8.222539407	5.112462733
5.430214052	1.331744388	0.410054312	6.751878665	6.288866805	7.380592343	5.418833694
4.433654818	1.882086476	0.904911273	13.17545254	7.41913205	9.127100981	5.417949705
9.727515623	1.160228221	0.374987931	3.504038886	10.48525942	11.53202279	9.047347068
5.783148047	1.517011605	0.546854882	6.884905413	7.811645631	9.222756031	4.559718367
6.253943548	1.307071616	0.389234618	5.247298607	7.431291762	8.543109737	6.432241069
4.882925948	1.492508318	0.511572724	7.964904152	6.663658304	7.320608271	5.927037328
5.764921538	1.311175971	0.459837181	7.069203919	6.267047406	7.771358664	5.249653036
6.427236756	1.326370585	0.430354663	5.625987185	7.498597532	8.812908218	5.205887959
5.077297542	1.416781584	0.540770651	8.827884612	6.565480677	7.695954042	5.505585932
6.632089569	1.163409253	0.268622464	3.759914978	7.021438551	7.864671215	6.235008629
7.219107674	1.27139555	0.419962053	4.951707049	8.308320209	9.367070774	6.154484721
6.150950598	1.341266631	0.480336625	6.852358701	6.921689169	8.523937734	6.197690431
6.01002244	1.358084591	0.494438441	7.019611395	6.819742155	8.389971527	4.697134071
5.697961779	1.558376434	0.615067968	7.837898558	7.870775296	8.966830352	6.543821716
7.073935064	1.524238859	0.776930807	8.231412401	9.567651301	10.29852698	8.497649406
8.085213474	1.432384374	0.736104511	7.173419009	10.22035183	11.66421439	8.637549148
1.984909591	3.323411398	0.905570788	21.21626539	4.633911717	14.81570054	3.589004394
2.865162711	2.693029417	1.241681842	24.9512728	5.159129193	7.703657153	3.857372868
4.954965714	1.542152077	0.622777402	9.307864829	6.796961909	8.674391584	4.984730663
6.613338334	1.402371366	0.687196599	8.537617515	7.75695349	9.684332635	5.631782937

4.06698004	1.875620488	0.716384486	10.66214077	6.619693229	7.81905214	5.45174275
3.471958875	1.913521569	0.946780517	19.87787453	5.479997206	7.159580337	5.065947515
3.59659815	1.339433143	0.215833277	5.460829744	4.058628827	5.122945919	3.842419135
5.523879658	1.489029078	0.801167634	11.76694522	7.415753456	11.85711504	5.33267991
5.736982608	1.20914482	0.261422501	4.129283129	6.47965359	7.709863241	5.726338774
6.203993234	1.342287292	0.420082228	5.479582336	7.657238765	8.722865443	5.946579938
3.216336592	2.471637527	1.409340818	26.44477008	5.931606962	10.17110044	4.307969582
5.659140535	1.23638306	0.325310257	5.156077778	6.218054425	7.094861764	5.388780192
6.445044183	1.44322432	0.687945676	9.0776558	7.311812794	9.253790153	5.358407909
4.949351422	1.871917081	1.120817447	15.87691993	7.024739527	9.814635472	5.159715966
5.887481498	1.415020015	0.658605244	9.560124224	7.092992243	9.069515548	5.626027164
5.555806853	1.388230773	0.54123113	8.259380134	6.388327507	7.320306767	5.597432736
5.963129183	1.327056751	0.463178112	6.915969745	6.126028627	7.361947388	4.971325979
4.43814231	1.528371847	0.397067358	6.606615149	6.062600498	7.260575055	5.248342723
4.519450043	1.427609544	0.454778848	8.525336536	5.667196842	7.135065022	4.948194089
2.70404734	2.460378612	1.090802034	24.20177879	5.248523697	7.445144987	4.317548735
4.40339615	1.350329582	0.415974447	8.057256731	5.112635065	5.575276239	4.200350329
4.52247423	1.395218096	0.476409521	8.891154661	5.807829053	7.857486843	5.092393269
4.104328667	1.322782082	0.278319022	5.776086569	4.880188077	5.811353694	4.542296187
3.549092651	1.630859868	0.516234315	10.87441422	5.261141011	5.691100692	5.096447205
4.131865269	1.666667619	0.575239207	9.879372827	5.945738365	7.361720924	4.893740996
6.116830048	1.253099505	0.381795148	5.546247911	6.915171231	7.782771138	5.792470687
5.084907147	1.508579267	0.613079257	9.571172651	6.336282832	7.218065269	5.212780039
6.855245315	1.326972482	0.759334846	9.502974191	7.376133856	9.821565825	4.949057964
6.077922735	1.285208641	0.414485642	6.166643221	6.535469221	8.378156515	5.252332541
4.147479642	2.287907158	1.3114799	18.97893807	5.942563085	8.724247045	2.888796232
3.716745604	1.945746272	0.753131625	14.92213936	5.131350874	7.549203466	4.622047397
6.222567522	1.35013257	0.514782175	7.273059868	6.401252305	7.644368465	4.975047492
5.374158548	1.691647388	0.732882224	9.201596275	7.945716153	8.74552468	6.857241128
5.574915302	1.255428233	0.330123051	5.255649189	6.272349151	7.272658358	4.802404414
5.855145039	1.359196125	0.607075657	8.81126355	6.965128582	8.61643746	5.282127096
2.383285718	2.784389565	0.98039399	19.02483466	4.844202533	5.827591479	4.528342001
6.38583991	1.290907786	0.427356001	5.602398408	7.496713321	8.170195747	6.64782377
5.841955405	1.331797489	0.510353435	7.813076399	6.370165626	8.168193052	5.381905814
5.315150664	1.427473795	0.550956192	8.414564218	6.352019695	7.034260722	5.371412289
5.954617671	1.251866626	0.449800827	6.763275638	6.549513425	7.964339617	5.365490072
4.465328014	1.893012744	1.085934986	17.02166911	5.765361976	8.0947553	4.645951431
5.305884245	1.562047511	0.802008741	11.36542182	6.777322686	8.158972286	4.849283358
5.363148688	1.774718454	0.810169506	9.710738279	8.365952291	9.829984032	5.815925875
2.322687539	1.740321646	0.40767803	11.87576225	3.584057606	3.711341242	3.376793641
6.166584595	1.326095001	0.540433892	7.478250898	6.769206851	8.22796071	3.988055748
4.551934627	1.454528661	0.402638534	7.746710001	5.301214169	6.414081612	4.8862749
3.398216052	1.406998001	0.26858681	6.590700454	4.152181401	4.416575889	3.931900842
3.975788577	1.341728499	0.252840671	5.466746921	4.747973857	6.388763667	4.403566242
6.76540772	1.440318438	0.776801253	8.917570195	8.593174804	9.566535826	6.943520147
1.532192687	5.724674752	1.857008934	47.36623318	4.518798702	8.61531082	3.423121706
4.100367822	1.311297632	0.246500792	5.61047201	4.373473228	5.495394074	4.130856225

4.416116985	2.038574791	1.113303278	21.6427008	4.996854747	7.042722617	4.335781177
3.10711963	1.649285931	0.419303611	11.69573469	3.674378541	5.155324811	2.928153432
3.809454296	1.317849197	0.23169745	5.244080796	4.581691289	7.358531092	4.122103315
5.603432922	1.446535635	0.553602631	8.553883541	6.671513385	7.425698651	5.788958224
5.540086762	1.204326893	0.279283484	4.549614184	5.889018815	7.177957941	5.042888107
5.600120807	1.382736948	0.504243713	7.279812901	6.950176118	7.946003529	6.196845717
3.777350824	1.754745147	0.613949526	10.9590017	5.710369882	7.873739123	3.786707286
6.02374298	1.700578111	0.819490067	8.977436139	8.900583925	10.56534332	7.385680032
6.498750738	1.156072785	0.238438823	3.373137137	7.009325793	7.508435207	6.506520887
5.7417958	1.309100211	0.383831863	5.737847456	6.543345279	7.460891104	5.2921375
2.836438693	2.734270744	1.016077836	15.6577892	6.625036405	8.142409353	5.477188314
3.009030171	2.406120974	1.02455465	18.50862171	6.081542988	6.797201596	5.095953813
5.518252661	1.515614438	0.671630475	9.550503425	6.999877737	8.292673085	5.633003457
4.336985937	1.351486223	0.31457786	6.19539484	5.10795613	5.553717086	4.853366023
7.492201347	1.632314378	0.914480306	9.818475985	9.248189834	11.82263673	7.129393156
5.552345998	1.592308841	0.951128045	13.38130394	8.117075274	11.17405601	6.869125794
4.257367178	1.471062101	0.507744299	9.839772958	5.701647644	7.74152474	5.101649353
5.485932973	1.634958652	0.693808149	9.782736542	7.105781997	8.446568897	6.115625126
5.478982361	1.233680399	0.353841342	5.743353964	6.08716961	6.614289233	5.091402532
5.453835175	1.531033504	0.568763464	8.44017462	6.893924177	7.618276677	6.39685461
3.567528326	1.183394385	0.183985262	4.499000018	4.226009892	4.871448041	3.995259902
3.950514349	1.34902555	0.279773864	6.286845147	4.563639524	5.232188535	4.26351984
3.688970336	1.46049339	0.337191618	7.385815787	4.613443994	4.980860419	4.379107668
5.250136033	1.274381966	0.392714843	6.652858804	6.017758868	7.906803191	5.24723483
9.074303418	1.161688091	0.338299278	3.411428787	9.757675222	10.74367569	8.89995891
6.203055959	1.455170336	0.667129066	9.123758453	6.871464194	8.063109871	5.760021255
5.929197445	1.558187619	0.807203919	10.70770256	7.033780216	8.19296167	5.244673255
3.263425186	1.195272149	0.126751561	3.457554048	3.748342541	4.084119338	3.302551497
5.575644291	1.419376041	0.515747965	8.215388659	5.99044408	6.903901252	4.989537235
5.568797681	1.421235948	0.501369857	7.28463784	6.919522276	7.552289771	6.146167219
4.539621692	1.699440607	0.727233369	12.65102242	5.566759048	7.069501616	4.643037973
3.959656394	1.470385715	0.335329716	7.216211466	4.978633361	6.771926683	4.201176547
6.693296354	1.178659321	0.295673789	4.163995551	6.927630139	7.551575364	5.77136788
5.229610011	1.409231368	0.453824108	6.993615107	6.215540846	6.994533918	5.259634531
5.963023873	1.471866472	0.543104502	6.844375069	8.078306976	8.865068385	6.887891161
7.821652365	1.209217315	0.386697343	4.425906281	8.601750028	9.375986886	7.874851879
5.199406273	1.391026315	0.417688256	6.667152165	6.114951151	7.087905946	5.683163336
5.932793922	1.569931972	0.854674015	10.9125473	7.804401466	9.623226711	5.371956042
3.854959422	1.300396199	0.253603979	5.678578833	4.709274622	5.590713965	4.134938778
5.315599718	1.20333896	0.272084379	4.628467634	5.99028471	6.644740066	5.629626515
5.044570758	1.415585176	0.545733464	9.035738547	6.137164454	7.432084185	4.947132994
5.583430982	1.661340493	0.730077959	10.42010082	6.782389888	7.684974636	4.977447513
4.771788528	1.531819429	0.724985715	11.96909019	6.050074358	7.281530559	4.70848026
5.102580026	1.412724021	0.534863885	8.874130363	5.942528229	7.575017649	4.818292572
5.610547108	1.238842463	0.294519221	4.786119931	6.144948529	6.765787607	5.037364588
4.538918146	1.489897635	0.547496367	10.80241197	5.004519699	6.732492165	4.715262691
5.268403762	1.40420084	0.505087613	7.657162399	6.412753883	8.031934797	4.786489523

5.971544581	1.343259775	0.442806036	6.728676083	6.33317812	6.96512641	5.455973211
6.229836846	1.433353134	0.678007468	9.063563305	7.314067449	8.272812119	6.367515951
1.879191446	3.922764343	1.21382719	32.09325392	4.39125298	6.812729636	3.544643219
4.569128587	2.058041468	1.064917641	15.21985681	6.950087332	8.69455401	5.492805502
4.63710999	1.444633213	0.497963645	9.120742349	5.70201284	6.724689808	4.807651142
6.449838014	1.495834795	0.910038869	11.20310385	7.571289896	8.870277843	5.884230259
7.336286223	1.318523726	0.490021825	5.888852151	8.640935193	10.72200722	7.330852904
5.45672876	1.371943194	0.377814705	5.52430299	6.887235334	7.389761317	6.282391336
6.521580204	1.609478955	0.906153949	9.567004778	9.512076162	11.29031144	6.854961804
2.77682562	2.033603578	0.916386034	23.79429233	4.503919381	6.334833443	3.706544985
7.32195876	1.212191217	0.335663708	4.28993015	7.661985698	9.044058602	6.210669523
5.133355115	1.434627165	0.586959912	9.280909859	6.171539732	7.821896769	5.433850946
4.00975475	1.819719618	0.809392939	13.65403876	6.193393648	8.101892824	4.787418569
4.116685569	1.677633774	0.739604781	12.97516278	6.161782053	8.907638213	5.312098501
4.049377237	1.251318693	0.185893795	4.094444517	4.547965291	5.185834983	4.20215359
3.760086559	1.894014387	0.809684892	14.14811064	5.796517732	7.079090612	4.946314106
4.583178335	1.622468566	0.686535659	11.97520742	5.603303676	7.38860224	3.390176538
6.592221949	1.159175732	0.243873928	3.371851283	7.096793596	8.242594715	4.750047947
5.390497963	1.181153869	0.278634848	4.775408924	5.717402379	6.613684351	5.335139918
4.185475554	1.288200956	0.315262359	6.767287442	4.76622194	5.904964983	4.457008127
6.361446468	1.225982074	0.312679393	4.48011741	6.982285989	8.07663691	4.063397111
3.318667926	1.474436056	0.281293358	7.109751829	4.240711514	4.957443105	4.159190919
5.698738829	1.240571142	0.335625643	5.295961991	6.257421445	7.757486315	5.308475213
2.926048462	1.955689291	0.665380563	18.35497189	4.301985353	5.224995485	4.001285459
2.768137058	1.53447006	0.340656092	9.569398766	3.795898135	4.410402583	3.490193507
0.166247409	41.83054692	1.344315545	27.03032222	5.46059342	6.909832855	4.01838728
4.949389907	1.559221805	0.655878502	11.5063511	5.709549472	8.087330665	4.515094459
4.08243067	1.820489872	0.711759576	10.84363388	6.376102809	7.912561837	4.404856719
3.553611179	2.843750601	1.85833205	29.3002573	6.414532448	9.678167883	3.821004297
5.915017949	1.215228319	0.385291205	5.995391903	6.222335894	7.686297432	4.821069933
5.000326936	1.459494307	0.504056726	7.800084995	6.507651465	8.061643921	4.606258068
6.14289162	1.351825554	0.460129517	6.603791094	6.424040314	7.600725112	5.251282932
5.407091087	1.200542215	0.251744704	4.196855935	5.953863156	6.791834098	4.630639039
3.200401882	2.395437213	0.790131135	17.81568343	4.541369115	6.461145266	3.736756617
4.975991618	2.917345469	2.765238623	31.45551754	7.330932623	11.33881277	3.052042999
3.224737556	2.185621463	0.891739296	17.20434103	5.513841376	8.469300295	4.310520366
3.667846165	1.472590304	0.373662421	8.181499151	4.701055429	5.329106166	4.41671682
3.041222329	2.441895527	0.798847656	13.26342849	6.339369374	7.205322409	4.419262996
6.240822975	2.787222736	3.034635472	21.06790484	11.57913464	12.83107262	7.638405426
2.961020581	2.749357856	1.055449718	18.65502775	5.648378803	7.820027346	4.440688368
3.499808711	1.784366308	0.588224562	11.04924793	5.673971657	6.931008362	4.025986283
5.302096648	1.725322304	0.887200728	12.02054559	7.642089757	9.016264147	6.056799372
3.738355546	1.571383565	0.624973425	12.90795412	4.949129221	8.937515812	4.320798496
3.407173086	2.095057353	0.676007031	12.81267244	5.572850787	6.496232748	5.113644297
2.676899794	3.590390051	1.597115831	22.9180371	8.397157818	10.97381109	5.169460348
5.336254356	1.395311675	0.564294192	9.444770777	6.148828421	8.639212957	4.245654658
3.435254347	1.375557323	0.273266224	6.569264825	4.266732072	4.554182488	4.032770086

5.10234809	1.618965175	0.706824314	10.64042094	6.800728124	8.398759937	5.329644251
4.719046158	1.847856315	1.038719144	15.34594918	6.606079396	9.023004122	4.622625311
3.55496808	1.631470519	0.490819087	10.63591442	4.782752792	5.416332001	4.413851712
4.210180919	1.977407621	0.85833018	16.21894637	5.811977327	7.499061062	5.333785574
3.755331675	1.314916545	0.21615282	4.863822358	4.498975385	5.867008973	4.19573671
2.694178586	1.844733537	0.449104155	11.73528268	4.056779159	4.871698225	3.300807782
3.95676727	2.172746304	1.100738422	18.89237153	6.39806695	8.102207261	4.900638649
3.594522653	2.052836991	0.937754955	17.93727451	5.882815448	8.40654452	5.013099604
1.106997022	8.977838496	2.57098025	41.44293939	7.616086242	10.80333751	4.091652748
3.160795941	3.198353269	1.42431598	21.52820539	6.47790415	9.812181292	4.487588945
4.232018733	2.585504926	1.817620394	26.65172816	6.343517499	10.91752944	4.741257614
5.212461091	1.524098017	0.612804425	9.936638149	6.29767238	8.178219959	4.628560432
2.929071892	1.626794481	0.382539132	10.04046877	3.876758157	4.263729335	3.675608912
3.772273222	1.624196456	0.655506418	12.66918961	5.076487545	5.875743796	4.209007074
1.947285238	5.571756906	1.786727757	24.2861742	7.634250509	10.4490537	4.40469661
7.166549206	1.34109495	0.671737629	7.81607494	8.402258941	9.930296673	5.35332396
5.837381836	1.309411721	0.464914527	6.729220942	6.615108455	8.470812263	4.285956109
6.42157053	1.176199813	0.29885929	4.356415884	6.680248308	7.08722264	6.136714573
4.555185729	2.097765362	1.348455518	20.06373003	6.409027573	8.796972401	4.792449553
4.030000021	1.766277365	0.792522116	14.54130944	5.242891667	6.936934364	3.767008455
7.354622156	1.522690982	0.998346753	10.689224	9.657034328	13.50199873	7.575571528
5.034003802	1.914509015	1.376454122	17.95798858	8.139697303	9.914797305	6.706372094
5.869437558	1.908244881	1.209283973	14.24906314	8.378124322	9.70785257	5.429376593
7.448100303	1.248853557	0.373080421	4.717360581	7.710930548	8.594669869	6.317380982
3.312870166	2.462028442	1.189371267	23.1000661	5.916095295	9.054345034	4.630621848
5.217702035	1.521616206	0.645457661	9.937947225	6.405970016	7.558081342	5.219428559
7.284991812	1.488169525	0.724390878	8.739879711	8.162384809	9.461388416	7.10283119
2.62979194	2.792550363	0.843639692	18.26397874	4.862695706	5.930635022	4.368533191
3.574837996	1.927942925	0.837611808	14.66422743	5.851839469	6.971345998	4.531470923
5.322006551	1.865630642	1.281491395	15.68962876	7.095538975	8.342085535	4.96816297
5.16900344	1.511309766	0.584287422	8.856522079	6.263213203	8.180880808	4.34046017
4.163028297	1.200357707	0.246691932	5.406573943	4.886819236	6.833794763	4.206516911
2.732576258	2.725635471	1.161482016	32.14540028	4.02964349	6.254294103	3.468074369
5.636994478	1.194556415	0.279293796	4.478054564	6.318343928	6.968459116	5.485745233
7.177446905	1.421522763	0.77190013	9.094732231	7.945434183	9.629027793	6.101833514
2.518926152	2.487899967	1.164772471	29.56071928	5.031014782	8.809620578	4.01117566
2.111733935	3.392214662	1.325370214	23.60713032	6.580896764	8.608209437	4.74955909
4.038530121	1.761651083	0.664536672	12.13344634	5.248170523	7.601626658	3.123674277
4.024947024	1.844427271	0.898536128	15.86688299	5.993150608	8.194215286	4.387210688
2.998711056	2.674203238	1.096064509	26.69506683	3.978361324	5.967367408	3.599034859
4.658910127	2.705870339	1.88142892	23.46365376	6.832742352	10.97398728	3.220177567
2.244208458	4.118724023	1.781901369	37.7078726	5.110818051	10.96308002	2.790539528
0.582168901	13.23585821	1.820467654	42.53475278	4.71945133	7.353785513	4.188416077
6.040862641	1.48674253	0.899270517	12.0227087	7.43304112	8.383429969	5.586897573
2.403743098	4.213221195	1.50655638	20.13338029	7.533395297	9.996901235	5.699420917
5.44167085	1.838096251	1.29430304	15.4368629	7.252699764	10.0281838	4.1992778
3.540342576	2.067690735	0.870696602	16.10983597	5.610504913	7.302780282	4.184115988

4.69774505	1.570890835	0.5828145	8.611356854	6.592165098	8.233716988	4.949399052
4.776918887	1.38284534	0.469387922	8.309965369	5.660447136	7.098826818	4.164797382
1.182783595	6.337298988	0.998412653	19.70148045	5.188809115	7.191838884	4.620847758
4.40883669	2.507023697	1.414425559	19.29351167	7.160985713	9.268914515	5.305575479
2.64540779	2.060648075	0.595793973	14.3310201	4.729545797	7.454624573	4.465069903
5.270216982	1.476487179	0.575812411	8.135107639	7.238273452	8.557852514	5.640418336
3.510315003	2.090885008	0.960575578	17.22014668	6.00744224	7.917305569	4.960322996
3.64265219	2.207197829	1.167613656	20.24522688	6.81036045	10.00342753	4.131819577
0.141164095	52.9271545	1.961738557	46.1402962	5.663904821	8.335795914	4.651862138
6.742871	1.404860155	0.661795079	8.110066023	8.250792883	9.989280975	6.513564089
3.540235812	2.116924464	0.986665453	16.64577601	6.643753534	10.28279342	5.137719636
3.21579836	2.405135659	0.776571453	18.30337727	4.21320032	5.227163439	3.694221203
3.0330817	1.955262675	0.507876855	12.27734752	4.293596151	5.526684933	3.996172637
1.284015144	7.532602772	2.357660867	62.19187062	4.78967253	10.68840867	4.307440942
3.862539127	1.305581668	0.285142696	6.592631542	4.31170448	5.026955118	4.101209265
3.639701017	1.501251016	0.329967955	6.807060376	5.066236877	5.7158946	4.823829194
3.392699718	1.283097945	0.162631615	4.354555638	3.800437773	4.311841937	3.607417803
7.232377383	1.183395558	0.321514786	4.031329789	7.895640284	9.028948176	7.112385956
7.543661224	1.41760715	0.71087035	7.640730601	8.886979995	10.29025067	6.189359827
4.827677282	1.421564772	0.502640478	9.13098575	5.510654993	6.360001917	4.899231455
4.510802382	1.611066099	0.673431283	10.91545886	6.239308324	7.976296427	3.555353555
5.639736216	1.324738543	0.36944945	5.691275987	6.203856566	7.111490111	5.446848801
7.380193593	1.433154996	0.754515934	8.856341281	8.32390469	10.81195362	7.216555198
4.02080489	1.955606709	1.019599458	16.20005681	6.749655058	9.481244105	5.027969894
5.878257639	1.490209177	0.649708086	8.841560993	6.869799778	8.023588029	4.657917677
4.774143284	1.721264799	0.686092353	9.262780504	7.757935723	9.137774536	6.430173846
6.786317077	1.445950461	0.537378779	6.392385127	8.672406976	9.667070352	7.510693016
5.72948729	1.499669503	0.684553748	9.544463344	7.085600174	8.458734069	6.027597341
4.827711956	1.384831996	0.435783716	8.014067034	5.688720809	6.419058265	4.968969896
3.293376634	1.968158383	0.839704412	15.51396748	5.955155896	6.948623895	4.659404374
5.617900943	1.592831083	0.708525498	9.299856493	7.059592931	7.807416022	6.017355898
5.40739997	1.24942294	0.365446509	6.060682	5.929273527	6.667022754	4.819129306
5.561720059	1.523379172	0.643938305	8.917756113	7.022549793	9.523473831	5.32303983
2.709755876	2.544643822	0.761597954	22.6052974	3.353948218	9.199333591	2.776713188
5.425100252	1.244545427	0.331940193	5.73810784	5.739950662	7.471542189	5.120242526
5.285165717	1.429770996	0.495964315	7.414307832	6.530328019	7.345573998	5.358324047
4.554887754	1.122111244	0.13731578	2.817665413	5.010082192	7.075443299	4.599985517
4.89432701	1.33153969	0.414371651	7.574077794	5.448614772	6.349592416	4.731848677
5.196567085	1.314001983	0.410074142	6.953980229	5.902711028	6.835555233	4.600184796
3.133975906	1.875093621	0.742139656	17.02842221	4.80119427	7.008584107	4.288931995
4.735810543	1.499111382	0.494262538	7.954002874	5.943423309	6.832314276	4.814972162
3.677284806	1.335062634	0.285223266	6.260656666	4.763752493	5.601057082	4.281701552
4.129835322	1.479880047	0.533689782	10.78202903	5.194202536	6.059095539	4.581020298
4.19186667	1.628280985	0.557991432	9.129997743	6.160315678	9.307444982	4.236447134
3.26517672	1.32220264	0.234199402	6.383874962	3.733666683	6.916903998	3.203193543
2.930233125	2.498352129	1.026618152	19.21677424	5.152518919	8.76840028	3.110097591
4.639381289	1.415075924	0.39660304	7.937708029	5.262975786	7.068802015	4.944987142

6.166753504	1.344241931	0.510113616	6.977085874	7.222532478	8.349143865	5.406314776
6.281596662	1.403606938	0.612376176	7.951539588	7.121781896	8.224770974	5.197232173
5.145141798	1.833970949	0.9203826	13.87971963	6.348420719	9.186699109	4.11615057
6.943444166	1.317632587	0.540181116	6.406898113	8.46947498	9.309186196	7.808388933
5.469675771	2.474324357	2.495437956	23.03871033	8.194352241	10.29427941	3.939815135
4.097782891	1.668123379	0.664703002	12.33447436	5.474403919	6.886762567	4.047852521
6.107865549	1.499435223	0.794553255	10.14948067	7.562468925	9.352513046	4.394867061
6.501772965	1.271968246	0.547557448	7.403076395	7.492035786	8.876015084	5.923051806
6.345241665	1.500983548	0.553899175	7.048027266	7.761943367	8.713444981	6.580704109
0.778955371	8.904991177	1.653356886	43.62105436	4.64025052	7.897516732	3.537037814
3.969981649	1.301428153	0.271353703	6.271108408	4.323025568	4.982803706	4.028262232
3.696511177	1.639606996	0.510229032	11.06691846	4.727235018	6.128674979	4.243581037
2.82486342	2.991992522	1.28793875	18.33137854	7.484493425	10.28666449	5.120095064
4.428305213	1.836252132	0.794124484	11.22489668	7.31753545	8.617261237	4.967072605
6.248824464	1.36882591	0.403212887	5.319209459	7.620217086	8.497336211	6.642625378
3.984601806	1.406758626	0.272580075	6.11183597	4.587819867	5.781665662	4.289019125
3.404889121	1.354702202	0.24067228	5.989976546	4.148845903	4.988450242	3.960632173
5.788961336	1.326838191	0.466342369	6.961692647	6.59660743	8.441092167	4.818636236
5.529271943	1.425869888	0.606428277	8.772006462	6.12817917	7.350232891	4.628393907
1.028203365	8.890728217	1.976683512	43.06733577	6.038458949	9.396697374	4.642062702
2.853300399	3.155427202	1.542817805	33.86007283	5.388471474	8.567711994	4.887200599
3.192379443	1.585068953	0.353752095	8.643138455	4.160564991	5.686752796	3.934342817
6.428567059	1.317139335	0.418388403	5.545240478	7.761985841	9.532261253	5.144231627
3.082793322	2.22654497	0.952381483	18.27611908	5.947993578	7.686741171	4.316733192
2.746917984	1.506176647	0.275598761	7.814225441	3.668818306	4.354297932	3.241198509
4.60282297	2.075862814	1.3832688	20.33284591	8.044616933	11.19694269	6.308829166
3.149659395	1.369555435	0.409919663	12.04351309	3.38069409	3.706791477	2.288135659
6.325976031	1.270653156	0.374631911	5.061657135	7.278278684	9.211121261	5.99802029
11.00361788	1.126234601	0.315819966	2.642311654	11.6908085	12.51783106	10.48842768
9.017154354	1.314330633	0.517619138	4.60994757	11.25862412	11.90585698	10.51641402
6.956018804	1.168299697	0.242215194	3.245095922	7.405558266	8.061811459	6.154289123
7.365707835	1.234245288	0.442053819	5.346529001	8.34487499	9.421219385	7.404892368
6.14024686	1.265902577	0.338050412	5.117684024	6.533037911	7.402222616	5.968453094
4.514818779	1.405963611	0.451327317	8.247651479	5.732040126	6.479317123	4.867543964
7.129448462	1.344894023	0.485744291	5.910681051	8.087653619	9.225899489	7.073343071
6.945201235	1.226066947	0.363061948	4.594885901	7.733495479	8.545836581	6.435791434
4.468126045	1.817171089	0.754530551	10.34110386	7.428114617	8.539880439	6.359835339
5.960237889	1.345659402	0.420867035	6.167222176	6.618470439	7.718753463	5.438015266
5.728429813	1.266879663	0.364544638	5.516087838	6.378818416	7.129368178	5.731025688
4.634137029	2.03405771	0.868338632	11.39457687	7.470811184	8.407946828	5.737708347
5.234081558	1.721093828	0.871462492	11.33890567	7.920986988	8.729900627	6.414318871
5.044299372	1.454279072	0.478076127	7.233487608	6.405934887	8.54285194	4.184730085
6.362084953	1.126906837	0.18659926	2.80863328	6.46051813	7.251258721	5.647299513
6.686015311	1.306948075	0.482418976	5.961433453	7.816325065	9.935681202	5.441559547
4.052759071	2.306466501	1.279425373	23.07806838	5.795393883	9.69028112	4.526665568
5.613017052	1.682944727	0.797393857	9.805859133	8.151232568	10.09005555	5.667666866
3.72951685	1.378991035	0.276484716	6.620424997	4.204185494	4.721992861	4.105794471

5.312192379	2.033082662	1.530218985	17.72666659	8.41611142	11.30986514	4.538919591
3.483246149	1.722611062	0.430200097	9.19640503	4.740795987	5.382349335	4.265961153
6.352672389	1.485744913	0.693394485	8.556235528	8.020602022	9.235902741	4.789619201
4.15515641	1.536147196	0.440890152	7.821062038	5.745519626	6.976882519	4.527946697
2.964837286	1.506005308	0.398672648	10.15507947	4.102390576	4.587288786	3.771019653
3.856180242	2.084916086	0.888443324	13.64214186	7.151959209	10.0508573	4.419645427
5.210177505	1.609765435	0.660929294	8.951439772	7.615982239	9.858929599	5.494727861
6.374494319	1.326271501	0.450850906	6.036390494	7.585894923	9.130931708	6.902423338
2.716560291	1.286247127	0.149153109	4.946557486	2.971488174	3.239031036	2.561630838
2.66580133	1.570593012	0.254048079	8.07425218	3.333375017	3.830603976	2.544437509
3.299502123	2.521372926	1.359518715	22.44963565	5.024759522	8.069735073	1.904179198
3.617968067	1.262667683	0.163312786	4.007472983	4.223555952	10.0152964	3.853508212
4.775666457	1.385033555	0.386824569	6.605110287	5.785153201	6.624515284	4.82359409
4.59572524	2.163494972	1.246150151	18.86868878	5.871083494	7.642863769	3.789550371
7.215711407	1.177512901	0.39878844	5.098633499	7.347965421	9.0944668	5.78796359
5.558417977	1.450330423	0.652015416	9.19987331	6.979134264	8.540287204	4.959264934
4.759692579	1.61286351	0.948874988	15.1252909	6.950323152	10.42361213	5.095917668
6.311843552	1.442697289	0.695813704	8.795465298	7.850908535	9.508063938	6.82185807
6.035445604	1.540617128	0.765802826	9.809403633	7.831519193	8.978555286	5.720474555
5.057437964	2.052915002	1.175691959	12.99660423	9.401334412	10.70542142	7.824921236
5.836488619	1.416315151	0.543381803	7.432057524	7.266700254	8.087482107	6.21037514
5.625802413	1.441367832	0.48428315	7.355721235	6.635150849	7.548953379	5.840977676
7.092774574	1.245039	0.420004602	5.292003867	7.92065256	9.325674606	6.633869206
4.18944297	1.986544383	0.811675545	11.18945071	7.414911566	9.127697534	5.752581751
2.888248824	1.314035768	0.183876136	5.562235417	3.370758444	3.616429447	2.966055362
6.542195667	1.272708915	0.433349854	5.822555336	7.035903202	8.601912696	5.423204844
5.561400827	1.239819665	0.393502134	6.381380461	5.766134298	7.066703464	3.911745912
3.936800558	1.900964392	1.072512025	23.12082598	4.55448993	6.833789199	3.983138528
5.654335867	1.284800248	0.462803822	7.11148984	6.569952166	7.845083357	5.04787412
5.129793158	1.483614345	0.449910143	7.53310696	6.055420007	8.273281144	4.004323749
5.047599006	1.465831389	0.607503205	9.505654844	6.798488548	8.321263818	5.948806096
4.334892316	1.385262923	0.421966088	9.065618285	5.207311503	8.917477276	4.57692176
5.554361089	1.225058237	0.271301454	4.450826351	6.082251784	6.595070235	5.222065759
2.373042392	3.752371472	1.682720902	27.67416271	7.117878986	11.86952258	4.630981859
6.342340385	1.285512667	0.392170433	5.597954281	6.872673806	7.792671727	5.541433685
6.980947391	1.271076226	0.499499956	6.239011115	7.852833132	9.300035043	6.034784115
6.471083913	1.596604797	0.813034227	8.922782318	9.48466881	11.2832203	8.165223681
7.700903198	1.272396117	0.511019672	5.936548432	8.52168136	9.572434244	7.630813344
3.178592354	2.282732797	0.760555398	14.12840913	5.600781502	6.578239913	4.82644423
5.114598724	2.071607145	1.147657433	13.27556233	7.99146435	9.694896393	5.805588745
5.493964476	1.600642477	0.814215536	11.82919478	6.930545123	8.191177637	5.256672856
5.507496725	1.788701532	1.040828295	12.36563786	8.186078723	9.600453792	4.949943547
5.016106657	1.370161472	0.365543638	6.437159554	5.635161865	6.118614723	4.84150468
3.730692739	1.134667663	0.12471531	3.047721278	4.173113621	4.567761556	3.840115622
5.350656795	1.760829107	0.871984964	10.87204895	7.955149172	10.02265131	5.298174612
8.753513161	1.345973699	0.683017972	6.701238337	10.15726864	12.08507507	8.746820635
3.058206256	1.281332669	0.211517043	5.642760236	3.854830437	4.571155412	3.421875996

2.953518552	2.374082475	0.863482117	17.16930853	5.306750604	6.149355548	4.417958022
3.614808178	1.514393421	0.317460871	6.983077794	4.599246586	5.49609586	4.297508409
4.38251247	1.299792215	0.267194824	5.643828466	4.854210584	5.751701891	4.498077548
5.315257535	1.383599462	0.528226139	8.296857121	6.650359947	9.119128051	3.757954733
5.22246614	1.507942323	0.498100318	7.013983176	7.168250944	9.142582068	4.919883032
2.833169575	3.230120466	1.507173864	38.40380853	4.874499623	5.523568699	4.607688857
5.04069255	1.607376898	0.697596524	9.869358091	6.807639689	8.052007749	5.406809744
5.099520683	2.28993417	1.503669943	18.0363586	8.770115779	11.93151753	4.70014024
3.978103428	1.935968498	0.861385188	14.9574802	6.27926787	7.947177753	5.695821074
4.213931002	1.575238848	0.698384096	12.73740155	6.007594658	8.749297906	5.18888673
8.051570169	1.2569635	0.433588693	4.503508929	9.344707794	10.18420576	7.938397664
2.808618793	2.442525169	1.178237908	25.70065159	5.374095673	7.355101551	4.653646197
3.859914957	1.96963141	0.937867621	17.54549044	5.424307794	7.751331656	3.687642687
5.359806075	1.782446419	0.954749423	12.86180991	7.316842732	9.731175284	5.430088597
6.464714028	1.492398399	0.760142861	10.15082568	6.923674555	9.740295628	4.323769239
5.055628187	1.527713772	0.639786289	10.65403956	5.623147611	8.262304319	4.599414822
2.977066108	2.020082902	1.032074358	26.4570649	4.657999726	5.889337395	4.125787698
4.234034099	2.011568269	1.338852737	20.53048792	6.689414895	11.28711574	3.468769987
4.615217242	1.188517311	0.131546992	2.632109605	5.059422598	5.580158617	4.597344159
3.350758285	1.977031851	0.757592446	14.90468726	5.634283714	8.562705006	4.325563423
3.284448511	3.00428292	1.111778429	23.4027377	4.847909451	6.56749509	3.235172181
5.184120775	1.73251062	0.911955479	11.33368327	7.822043079	9.423592827	5.99165537
4.33253924	1.568660757	0.480839911	8.582962486	5.754349471	7.978815435	3.610251726
3.357439996	1.97684849	0.916294751	21.35106596	4.182407628	6.589643022	3.761631679
6.209899462	1.428692126	0.504209628	6.611930425	7.659027793	9.470284815	6.452718015
2.870620572	2.264425757	1.182292375	30.5665148	4.916767329	6.059523034	4.491974747
3.292830322	2.451106429	1.369370153	24.39872553	5.025664772	9.535166146	2.291489536
6.117082838	1.520700972	0.837995407	10.79774049	7.265476248	8.959356193	5.37656023
6.452561418	1.389858714	0.634829181	8.045603475	7.484613099	8.504501232	6.016181992
5.606829954	1.305088337	0.406082297	5.960355497	6.925104973	7.584992043	6.078095802
3.616685981	1.508856236	0.359969922	8.10878479	4.543146178	5.276649792	4.325398385
6.454115883	1.263643665	0.436364006	5.855139912	7.427358131	8.303888423	6.353532464
6.677047619	1.280292387	0.445030435	5.947249507	7.316264659	8.745262812	4.952574235
3.698747557	1.611241796	0.544544361	11.77135712	5.04869907	7.635325776	3.952931662
5.869764611	1.458520966	0.64087158	8.07938498	7.922336732	8.837139775	6.610283524
6.459355857	1.20815945	0.380822953	5.444095646	6.92212684	7.763161633	5.836387719
6.900011229	1.243442349	0.349873203	4.487679854	7.582906708	8.793699965	6.624919609
6.736014993	1.334152448	0.560375522	6.846987456	7.98993264	9.342298929	5.478010476
5.555072082	1.344889468	0.506112893	7.959720645	6.469071341	7.12420729	5.558638162
7.220235982	1.337410796	0.520674783	6.006821721	8.739159187	9.601817031	7.146926105
4.255554178	1.24454802	0.218590424	4.769672019	4.745854228	8.020634047	4.274511311
5.645289368	1.460279358	0.546786144	8.816734935	6.107785301	7.321378465	5.045189316
6.543691173	1.775716306	1.414045845	15.6206255	8.840557957	11.0597139	5.177830497
4.365957863	1.913095202	1.133844614	19.4341864	5.418269147	8.776820762	4.242464008
5.294729624	1.341882436	0.40716131	6.50085394	5.978270743	6.967625133	4.802945292
5.587963656	1.195170631	0.235303334	3.813932527	5.830587282	6.653340458	4.904288378
3.269257949	1.805029455	0.712061865	18.33455786	3.774917859	4.714348306	3.326189855

3.126974739	1.422729427	0.254223239	6.838809497	3.734047011	4.069902979	3.41119914
5.067241161	1.148169638	0.19028207	3.511654642	5.308766888	5.698910497	4.645986481
4.485874627	1.287219725	0.303393448	5.767246804	5.311197628	6.066675241	4.562921159
4.983528652	1.365370626	0.446815414	7.796491108	5.649839759	6.626775007	5.224600491
7.235505867	1.34499013	0.535221838	5.993474196	8.640857988	9.691922416	7.347571563
4.628829421	1.646036643	0.721620464	11.42433186	5.677239039	7.298559052	3.960951373
4.576063864	1.989966393	0.992439041	13.61156955	7.214710813	9.696881651	3.6143283
4.418725952	1.787997839	0.781618099	13.04077719	6.020466976	7.879225444	4.261079493
5.482712479	1.332342874	0.37825952	5.56862413	6.651234402	8.365478852	5.572541554
6.765682002	1.327234472	0.573083805	7.50371236	7.284562168	9.411375847	5.863749994
5.806741866	1.371826127	0.531233637	7.646531812	6.608074335	7.772970004	4.955522819
4.351396302	1.188185044	0.202617189	4.419738227	4.534341378	5.210642825	3.970891532
6.272445582	1.355472826	0.697414337	9.734845212	6.665717552	8.007248969	5.280841683
5.638748755	1.456277559	0.634026217	8.949290439	6.71980911	8.19271008	4.334469483
3.727165868	2.136621639	1.0530351	17.05944355	5.66546216	7.66482418	3.730679398
5.516765261	1.493345931	0.680919713	9.604112144	6.700298518	7.663361648	5.205907587
4.272194151	1.384406346	0.353626466	6.697112055	5.191747357	5.75947547	4.668423664
4.249996515	2.068328642	0.879872382	14.16211387	6.20777983	7.490438075	4.854958755
5.855328397	1.140114049	0.195832566	3.139753936	6.027030961	6.57953055	5.416577813
4.298062071	1.490862734	0.539169156	10.05861092	5.271767765	6.458791393	4.020884232
2.317276257	2.097110051	0.459964531	12.34769495	3.797682687	5.178731313	3.446935762
3.75101926	1.983805493	0.840489171	16.34088752	4.853375358	6.109960027	3.84847141
5.102992168	1.465145282	0.64446396	10.2330553	6.297079273	7.621254759	5.243363762
4.036784549	1.793308293	0.640410021	10.67591087	5.836992026	7.277492706	5.190716537
4.715888074	1.363678086	0.396182467	7.196912613	5.322980025	6.142559294	4.418429574
5.136324206	1.62002212	0.732746316	10.55732122	6.73606636	8.029973786	5.590842506
4.459828214	1.786631328	0.974952441	17.3475299	5.265918707	6.739461656	4.24809413
5.897147355	1.221903735	0.35938817	5.55942428	6.293884606	6.849493494	5.159543401
5.774851757	1.596874013	0.708145322	9.100377726	7.818345819	9.571913628	6.250750648
5.465514423	1.325090535	0.400454414	6.21793787	6.345039054	7.199735369	4.912266447
6.671249726	1.295055482	0.551679759	7.039791929	7.308075516	9.797535144	5.349540038
4.840857846	1.243245704	0.251070736	4.544058407	5.632274977	6.357054841	4.705456478
6.680128206	1.377012077	0.574843358	6.818254234	8.276437334	8.923271342	7.265494512
3.477669285	2.173339602	0.980024582	17.17559724	5.429395281	8.705424017	3.516561635
5.019954312	1.29320653	0.320270013	5.800306466	5.330728866	6.87765028	4.2215652
4.621969306	1.338558627	0.412369312	7.428430444	5.524666392	7.024589899	4.735866922
5.164924402	1.714211289	0.755683854	10.43141712	7.155282323	8.348158832	6.277515608
5.441430257	1.361522582	0.626614153	9.451803972	6.354384794	8.88418035	3.900717262
5.336554174	1.570061521	0.774174712	11.78565559	6.172869522	7.956557731	4.288160396
6.369911473	1.344315096	0.569692708	7.504001066	7.161742367	8.934994317	4.313643192
4.677996325	1.380387587	0.456723388	8.147194625	5.654519895	6.487304373	4.868614916
5.053601173	1.508063057	0.518691943	8.074758816	6.549801701	8.115629705	5.292896884
5.54015292	1.234092706	0.357966698	5.77132888	5.918543915	6.969079771	4.720822151
5.047559556	1.264342791	0.366481076	6.402512826	5.693333328	6.796197999	4.124073479
3.859203759	2.539817532	1.699804316	23.2635202	6.296369463	10.58712715	2.564850914
6.434946966	1.243544059	0.283684143	4.034689216	6.936963925	7.876540613	5.982754358
6.931530733	1.308485255	0.576853544	7.25142783	7.890026351	9.575764534	6.212833832

3.948540188	1.44007773	0.417578986	8.888025039	4.540504149	6.14202817	4.04242165
5.817641221	1.287798352	0.48834605	7.248007939	6.655888651	8.750199339	4.991595413
3.861688509	1.515162014	0.459683205	9.221594791	4.851148936	5.511993749	4.078509552
5.577371148	1.262294765	0.428658188	7.084658522	5.952016198	6.595265107	4.427036869
5.117003046	1.379568347	0.487998766	7.92595315	6.378564932	7.190846595	5.787316799
5.272713959	1.294098171	0.361746321	6.004779906	5.848576508	6.543459657	5.005036471
2.793913005	3.634083846	1.922554434	28.69997193	5.732947986	8.331103136	3.355676146
5.789252674	1.428505443	0.63242612	8.77451651	7.375038069	9.144102539	6.226899656
4.239799616	2.291719711	1.21129764	16.83439109	6.466777855	8.851209119	2.711443255
4.342513522	2.337562835	1.409664832	19.59468941	8.488361804	12.71954677	6.893426681
6.660862501	1.208006929	0.319200928	4.287131496	7.440855508	8.086408413	6.471184985
6.772519346	1.730684934	1.18097514	13.46815064	7.788341272	9.875374858	5.122971016
1.727809204	4.754188692	1.549687596	25.68255489	7.15104506	9.580274557	5.586801782
5.207719229	1.41056033	0.442245718	6.739384777	6.643452009	7.655799768	4.876527374
6.406663713	1.128985	0.223525224	3.249066483	6.661654812	7.273363415	5.886291457
7.305896635	1.463721169	0.853840166	9.281938215	9.349078644	10.9932106	7.975083076
7.193430233	1.565779611	1.146078244	11.78145983	8.300688116	9.6100019	5.591040325
2.470609864	2.688677185	1.102374163	26.16843436	5.070742202	6.549349275	4.390793841
3.716680426	2.923431554	1.912850177	24.58895665	7.230521793	12.39833259	3.846955803
4.276110143	1.98019528	1.111871078	16.76564543	7.172079198	10.73304502	4.254073837
2.901035844	2.783887785	1.087957547	28.92898571	4.495259989	7.305137846	3.782877754
6.342815385	1.283725236	0.498165715	6.986274526	6.952229463	8.135716596	6.163660635
6.020607163	1.412619102	0.605992591	8.286612578	7.265264179	8.294628302	6.050222727
5.839426635	1.774203401	0.9275936	11.40458127	8.100180117	9.435931373	6.67743218
7.016539049	1.629733419	0.91962197	9.887975788	9.233197802	10.20727381	7.590571666
6.90855835	1.132670078	0.24942989	3.413939441	7.040565151	7.967461934	5.97376348
4.0605988	2.453384854	1.806885379	26.58550197	5.373271108	8.176618909	3.472866734
6.619797621	1.367597551	0.604009207	7.466199103	8.171774355	9.915436882	6.785847907
3.863986188	1.670498136	0.682635198	14.12384481	5.159487923	7.553149799	4.089526705
8.712122369	1.328212332	0.683078439	6.633871438	9.912144642	11.10332205	8.230293744
5.78463786	1.67778901	1.031479088	13.57563113	6.429108722	8.689851969	4.855953549
6.255075041	1.398569478	0.62320892	8.581948545	7.186896221	7.936210206	5.642823058
7.728544723	1.133097845	0.330602359	4.012967195	8.131356728	8.827554062	6.059967589
4.57486654	1.659842527	0.584436561	8.602327898	6.560233462	8.263952524	3.67827017
3.826662304	2.256611826	1.137756088	20.38299359	6.710107649	9.48847978	5.812659729
2.616132603	3.841372699	2.010112404	30.92373278	6.92539352	10.67490336	2.336068231
6.516606417	1.329815379	0.572428046	7.526835747	7.775226204	9.246815801	6.156137221
5.035396057	1.281195832	0.39326921	6.91341687	5.569912224	6.564678712	3.587473308
4.731679284	1.447413118	0.488085588	8.345970916	5.641478801	7.542536954	4.106636483
7.285557622	1.332921017	0.510293023	5.927348292	8.603082704	10.46931859	7.160646425
-0.574680251	-13.27669836	2.454097661	109.2020249	4.660532495	10.75536508	4.132334722
6.47390826	1.18115037	0.254650318	3.63686581	6.96514153	7.371773042	6.246626176
3.259237626	2.433098331	1.251547291	19.22348967	6.510447841	9.129077363	4.301950045
4.647627788	1.841624138	1.077761961	15.21468831	6.557001724	8.982868208	4.169404508
6.421664781	1.160810529	0.263843804	3.877446279	6.604064881	7.761960691	5.858169657
2.799020503	1.431120262	0.23226887	7.137554698	3.231023952	3.46740622	2.790326137
3.39428897	2.189776942	0.879013664	16.77898568	5.289674139	8.529461996	4.249446671

5.462449027	1.60819913	0.664302046	9.439131981	6.696147744	7.492367205	5.435458386
5.537775263	1.359177356	0.363525637	5.853691877	6.128571851	6.913969258	5.765348685
4.712772729	1.929279597	0.912237943	12.17271252	7.691691971	9.584854659	6.558395912
5.088954478	1.254634133	0.304897311	5.22965324	5.762784628	6.69452497	4.941311092
4.322720686	1.67641967	0.742592057	13.65917776	5.153917574	7.384771453	4.663862602
4.905668492	1.788388713	0.623627083	8.25158457	7.439763112	8.684530826	6.494718213
8.669217519	1.265393207	0.514082776	5.252255771	9.769213834	11.17581606	8.666370045
5.638363604	1.389317359	0.531708945	8.462720597	6.120399245	7.688432037	5.423816925
2.702412264	2.570228013	1.160915272	27.73929686	4.932050218	5.996594796	4.363065787
5.601573466	1.430476796	0.54331178	8.134275954	7.043916192	7.785895581	6.546490766
2.604916347	1.52652225	0.269617426	7.75146624	3.606414782	4.065951947	2.887509701
2.640593283	2.605764973	1.187340327	27.24521022	5.50015898	6.799193206	4.802836985
5.109198352	1.589496183	0.613059809	8.76859315	6.981918784	8.398232758	5.816207658
7.707834847	1.435148404	0.643422754	6.474799996	9.67773259	10.70226522	8.041024922
2.235134683	4.52848349	2.246707873	46.91964652	5.557462151	9.215808202	4.2609192
5.952712967	1.359348141	0.443866771	6.590353902	6.568190168	7.944578936	4.942340975
7.34794612	1.276962113	0.384498406	4.533236898	8.379939493	9.398158126	6.308559224
4.094977863	1.860841673	0.916302972	14.54238571	6.129315657	8.252640852	4.018732736
5.216071363	1.364771204	0.440502817	7.366554027	5.738467103	6.189832794	4.976312654
6.207212242	1.294943929	0.409009819	5.641985945	6.951839851	8.757477518	5.719769959
5.946704449	1.549481027	0.838402766	11.10679661	6.923060332	8.629586051	4.969054174
3.518927636	1.799936215	0.682418841	15.28346198	5.117258836	5.942008784	4.688291691
4.04987006	1.255249025	0.18008715	3.836873937	4.845347059	11.29087782	4.515942935
2.776479923	2.013010423	0.608334284	13.0914114	4.738568687	5.480297822	4.305965353
5.548422164	1.237366636	0.342286911	5.624525701	5.937671887	6.717779	4.688282142
1.980639054	4.504627786	2.216142494	44.83606491	6.523910103	9.759397131	4.370105874
5.118216273	1.455024465	0.508143433	7.962296427	6.298252664	7.696131726	4.08643747
3.826575109	2.262755354	1.274092849	19.43599486	5.657058546	8.388416486	4.103822138
5.07945932	1.581746882	0.683130794	9.947751969	6.746134369	7.892154013	5.306479187
5.100184886	1.650157023	0.812353246	11.39410864	6.952055443	8.898796544	5.128310062
4.768835679	1.260999305	0.278916824	5.254754726	5.409400536	7.120737872	4.573438055
3.99953215	1.544836593	0.373606813	7.363832807	5.155124394	6.241350491	4.899408725
4.131955874	1.718558136	0.732852959	13.70161925	5.540044337	7.587563887	3.664191262
4.405062316	1.769520615	0.750631983	12.66830644	5.816118164	6.811634773	5.248611117
4.448225384	1.955807868	0.858699655	11.50564198	7.792236945	8.929895558	6.343636405
2.77550412	2.967903072	1.012411956	18.38214734	5.840078322	7.266915414	5.1826358
5.322822093	1.275959742	0.362155383	5.905073269	6.26261757	7.425555392	5.170692711
5.278540853	1.760010689	1.022151014	13.96906371	7.761512943	10.50134648	5.860306689
4.179057373	1.573904849	0.532960828	10.26589453	5.272463736	6.423492658	4.54361959
5.811727058	1.56503428	0.764709444	9.847161862	7.557596004	9.002113001	6.090059756
5.076657659	1.603048419	0.756013346	11.28273541	6.795935187	7.70244976	5.598362661
3.944791484	2.173261893	1.058044991	17.70682159	6.012271114	8.842282877	3.948538642
3.897711405	1.221823459	0.166013637	3.778451937	4.443454292	5.015749185	4.089060342
6.526644253	1.268793617	0.431350695	5.832940207	7.448663562	8.962432747	6.75089833
5.742186995	1.654080611	0.799833588	10.34663359	7.394279068	9.544268362	5.226551587
5.780621168	1.208489024	0.28302218	4.473258634	6.21829158	7.667137936	4.24051865
5.630107709	1.652554264	1.021062137	13.66012743	6.724248803	8.147921709	5.009166565

6.329749215	1.426810079	0.644939311	8.827152399	6.907624102	7.720849047	4.622082484
7.126987733	1.21349266	0.359401774	4.6081881	7.625837107	8.324506908	6.998792825
4.180521751	2.071275237	0.896469907	11.58868653	7.497196371	8.577731029	5.607316273
6.127384625	1.311799499	0.433737947	6.184905381	6.636703786	7.475255845	5.374939552
4.501454966	1.602483598	0.509041033	8.807778316	5.731090644	6.584456476	5.059511623
6.346923139	1.303882647	0.562188559	7.725961955	7.495384353	9.299898064	5.853101161
4.723973493	1.852970559	0.787537835	12.24280866	6.429041397	8.053381462	5.003203965
4.695225699	1.674850467	0.650908191	10.27429923	6.476839259	7.90758775	5.517558443
2.258601675	2.156171629	0.45335706	10.62566982	4.435102303	6.465981124	4.126139222
3.671293911	2.900071381	2.460629863	47.01857935	5.355110968	10.36048596	3.811850596
2.321689889	4.264092463	2.259070602	49.83504026	4.441619751	9.254793957	2.559114267
5.022783391	1.576550143	0.614564758	8.53822782	6.94204597	7.956731585	4.765609419
4.12334708	1.455102636	0.317914297	6.732832273	4.754066925	5.194216381	4.596306255
6.381649275	1.357114037	0.490392706	6.93612232	6.629026792	8.852073789	4.536433536
6.190878907	1.248186175	0.475956204	6.820297268	6.908661405	8.235065952	5.558338461
5.734266316	1.52057235	0.579788242	9.121709106	6.348918445	8.104001696	5.116033793
6.640975112	1.550512048	1.197251399	14.2231957	7.223148952	9.60714422	5.075600002
4.905763191	1.600045676	0.622969823	10.48341846	5.802564704	6.655124173	4.853183332
5.841589729	1.379901694	0.492065158	7.742947124	6.290377315	8.291234897	5.377038038
5.513678847	1.363406652	0.449080969	6.709335032	6.651034319	7.606499352	5.596073738
5.757216546	1.248246903	0.328401508	5.18722318	6.075842689	6.918388925	5.361451695
3.427302204	2.198965509	1.039606163	22.20736818	5.201187415	9.100021987	3.422557007
3.037892593	1.971033516	0.602912278	14.0400831	4.852961741	6.39562302	4.333076745
4.492775592	2.2032472	1.407761143	18.72002377	6.370341664	9.322644462	3.82904718
6.457944182	1.350857233	0.591479986	7.596117341	7.840968298	10.31130065	3.489390177
3.595610518	2.507725468	1.550401017	25.52877168	6.239754288	8.773214143	3.668963301
3.771933235	2.014993192	0.698134297	15.49626391	4.707026118	6.265741462	4.371826384
3.837884559	1.147458193	0.11215054	2.717610241	4.113202132	4.58125562	3.753960184
5.970846001	1.997572992	1.349334655	14.39884413	8.248587051	11.9633129	1.590133822
3.840901049	2.333553654	1.261797271	22.76766898	5.028697776	10.74974652	4.166060539
2.979733243	1.78342963	0.379375485	9.835002909	3.932014889	4.758749311	3.110988574
3.68661358	2.674783365	1.472180059	22.03380046	5.993353617	11.13965467	4.149794862
5.24781571	2.197976356	1.702670935	21.85331494	6.83298837	11.31057219	3.244440652
4.247576508	1.938981206	0.969946201	18.44728527	5.092734235	8.82258914	4.570829892
3.303745879	1.64468009	0.419135219	10.72890678	3.869010312	4.254616623	3.625886275
5.106957149	2.085315142	1.479995578	17.79609212	7.150078926	9.92458835	2.353118367
5.673793934	1.171486422	0.230526998	3.808599887	5.923576429	7.688601908	5.207018757
3.119013627	2.118453688	0.884879732	19.28781776	4.722988473	6.45865677	3.762083157
5.160832091	1.398063925	0.443530218	7.497970275	5.793074244	6.556736373	5.375088064
6.875937162	1.757649045	1.132601696	11.34540561	9.436942188	11.40368015	6.34565528
6.303769464	1.290673065	0.434123438	5.886758892	7.084064489	7.8240207	6.229477328
2.82055419	3.812810255	1.946326418	33.94244155	7.276425155	11.33606299	4.122384793
5.001917097	1.868032974	1.090858465	13.83486657	8.458706066	10.12377916	6.760370832
5.04742893	1.446615347	0.415627298	6.369834212	6.488180275	7.691024755	4.649805113
5.012863755	1.456904724	0.541502327	9.239800675	5.865551706	7.921547875	4.681903724
4.106312611	2.02904692	1.02712019	17.53275645	6.823086525	8.364193113	5.3907735
6.439303355	1.281446659	0.379053026	5.298825018	6.905075575	7.863997797	5.266812086

3.67160717	1.894266385	0.824243819	15.28879167	5.110271764	8.280161927	3.034339656
3.624540245	2.217844896	0.752519032	16.89687544	4.507346968	6.360122518	3.971727497
3.217631933	2.770509378	1.707196782	32.43710254	5.448465663	8.719967108	2.488809642
5.120302842	1.44526106	0.518091642	8.473155907	6.071066115	6.835022809	3.137623987
5.977055407	1.220470012	0.349682097	5.298306436	6.514000768	7.056780313	5.435785708
3.934087975	1.882875592	0.603573245	13.25224868	4.655493036	9.761428645	3.9525212
4.51376174	1.38353968	0.44736422	8.187918364	5.573316581	6.116241522	5.017418784
4.032104557	1.509308707	0.363172294	8.231357457	4.469430197	5.193656479	4.178328746
3.714302463	1.631480108	0.552479656	12.23836425	4.904312636	5.476761523	4.635943711
4.522414616	1.482334625	0.429556361	6.908896029	6.143254682	6.911339169	5.41004752
7.532483612	1.220673977	0.454055479	5.520973964	8.218342617	9.183906496	7.349898192
4.554311941	1.334913651	0.362519489	6.575749375	5.439145346	6.022328326	4.461184261
4.674200795	1.625698728	0.683462071	10.59732314	6.466019761	8.029375279	4.371979424
6.623453929	1.285127041	0.469044232	6.06213226	7.796234463	8.841456721	5.941439456
4.535841081	1.723672024	0.719541561	10.75891643	6.887449686	8.07535992	5.641689986
5.457571722	1.24431793	0.337733756	5.508997734	6.105642274	7.327672776	4.691631889
4.300063425	1.798678082	0.603378634	9.398581396	6.430642446	7.372289576	5.532898596
5.891292512	1.381828158	0.473832894	6.560328832	7.236336659	8.458994624	6.339450697
5.613041576	1.602218847	0.777604586	10.51262635	7.046210617	8.87776768	5.781305033
3.949171516	1.513221657	0.520308984	10.37762426	5.090655188	5.903163254	4.22074903
6.563980666	1.663679247	1.112644161	12.80556838	8.462736449	9.975620423	5.031040196
3.968960865	1.9647591	0.963113	16.20374961	6.263819284	8.520662581	4.224611089
4.61235177	1.472403244	0.53474194	8.802239855	6.220786967	7.202358497	4.737457237
4.917453849	1.322814157	0.394091831	7.241838208	5.574780593	6.094925827	5.021072659
7.096802602	1.247439841	0.355176447	4.379733831	7.828902002	9.619659006	6.126733318
3.818939499	1.337395399	0.296478976	6.760996784	4.423956315	5.10753431	4.119018115
4.528484458	2.207958414	1.253010241	17.446554	6.240659135	9.530990331	4.277153957
3.754489289	2.088357157	1.393703765	26.57396308	4.596716584	6.695558226	3.867908032
6.150065796	1.402276961	0.643800625	8.81352386	7.034093893	9.09317955	5.602697419
4.482130222	1.663452129	0.611056139	10.40823089	5.813121095	6.596829548	4.832332705
3.757280947	1.765548726	0.77238483	17.04334854	5.503552098	9.113023476	4.319517092
6.0964116	1.350979476	0.511416515	7.372738248	6.644710073	7.625497084	5.682601534
4.889519571	1.454209086	0.471619966	7.45595368	6.408209288	7.311267784	5.295160349
5.345391819	1.779474241	0.876003676	12.25315487	6.823977501	8.435884481	5.303419404
4.330497555	1.571559346	0.551624786	11.00235525	5.448551324	6.105567587	4.981644482
3.706033125	2.749453467	1.980630761	34.9868433	5.134648839	9.424490899	3.527165687
4.064700737	1.663244989	0.715790533	13.02793692	5.739650737	8.73104823	3.011225253
5.049868201	2.146854328	1.282448015	14.86544664	7.829170523	9.086498617	4.961064988
2.816881886	2.550408128	0.900262379	24.86109952	3.863785186	4.964241475	3.479999436
4.807070843	1.481691116	0.584353933	9.566626884	5.972892239	7.043614867	5.063246659
6.653430793	1.516014346	0.900173685	10.55911485	7.896796413	9.022947296	6.591147557
4.762727909	1.435462798	0.543550652	9.180655793	6.035135263	7.342679882	4.749529782
2.492618099	2.45389393	0.8230017	19.32382983	4.150648235	4.59813975	3.697054736
5.431539599	1.259227771	0.333934818	5.37247393	6.090114431	7.019740934	4.682726496
3.357675211	1.347258828	0.242935564	5.888797223	4.295858471	4.668562649	3.94984567
5.267778752	1.448514936	0.524050484	7.960099546	6.565292957	7.821591652	5.79803653
4.527615085	1.793012807	0.88819072	14.5795314	6.188043349	9.552523291	4.301592101

6.109270317	1.324028017	0.555394254	7.709572618	6.72750401	7.856045933	5.799202152
5.003902352	1.69099045	0.793022805	12.65150766	5.972024875	7.681440808	4.451953287
2.750871389	2.591828339	1.236368809	23.6930402	5.835934946	8.646463675	4.613718337
5.312166218	1.62810464	0.710215124	9.731055656	7.472606592	8.737237576	6.050894796
5.094452203	1.322025387	0.383098813	6.371487378	6.087579575	6.639760472	5.686484587
3.200053095	2.086219279	0.773105642	19.57389624	3.790084785	8.441958391	3.350085957
4.267593259	1.378610777	0.439886582	8.644864785	5.268708907	6.136474503	4.632241543
3.247332086	2.187861495	0.73100215	14.58948021	5.398903686	8.463287761	5.026264833
4.575521627	1.478895514	0.593421973	10.72599259	5.356809253	6.472036785	4.503332539
4.39032199	1.596088542	0.455349155	7.243029618	6.528600224	7.859083729	5.77820889
5.434974599	1.266163483	0.379435591	6.242057928	5.980874279	6.706228302	4.879067649
3.837056997	2.218509117	0.963744925	12.61821065	7.814438634	10.73360395	5.262599544
3.222599291	1.54825478	0.290123381	7.719920199	3.827878327	4.366476365	3.620866516
3.735240136	1.689306736	0.671105371	13.52091345	5.118646932	6.176267475	4.264145896
4.621187148	1.331725695	0.325687233	6.121435921	5.482820938	6.511358443	4.566543322
6.055094796	1.412070749	0.57328892	7.608794933	7.261350616	8.596018411	5.668040734
4.149576952	1.451022952	0.51198449	10.02402912	4.956141309	6.953685102	4.175779439
3.543734288	1.44279271	0.280910389	6.994164887	4.071218518	4.916527898	3.517556604
2.955268069	2.430130276	1.125034581	23.10922956	5.956183243	9.374188972	4.922807839
6.556309141	1.207427101	0.358470125	4.966382252	7.352370729	8.489840316	5.785617495
5.305531114	1.743704169	0.810782332	10.51846013	8.002945605	8.927282086	7.057684254
4.556825075	2.016090492	1.025870296	16.63192807	5.806474819	7.699756815	4.674411721
4.36756677	1.653952469	0.866473223	14.91907161	5.561303848	6.427207585	4.75271016
3.548070161	1.431445297	0.36275207	8.469557946	4.507199926	6.244428873	4.179117318
5.169909981	1.409950349	0.513532721	8.1568105	6.284330988	7.055715197	4.853818233
4.081652102	1.780566216	0.590657324	9.45494207	6.330463216	8.430586432	4.025855139
3.939470579	1.954837607	0.672950232	13.89577275	4.871396706	6.056024186	4.414903465
2.557362871	3.129146282	1.230799264	20.70464733	6.666694793	9.634586724	5.124138655
6.160919743	1.296153843	0.408675144	5.541085968	7.171068838	8.052759464	6.076143347
4.681804577	1.295663422	0.364109693	6.935517662	5.109676454	6.681476554	3.805841196
2.859150598	1.858856167	0.529040706	14.39193298	4.047020371	7.246793195	3.52744341
4.56249807	1.814184803	0.812552324	12.17453652	6.539335578	7.721510519	4.68194012
6.28524748	1.683828729	1.031562055	13.34810836	8.024252902	11.27846825	4.659072562
7.31154447	1.222214317	0.473556548	5.793415466	7.821775191	9.212196206	6.406536444
4.063996485	1.318431239	0.280028122	6.02335302	4.568606989	5.82209888	3.969139882
4.830762044	1.41194394	0.506189061	8.048500937	6.173500681	7.01695562	5.391829655
8.156106155	1.278805929	0.561354297	6.085361793	8.902243518	10.29375723	7.070753269
4.293467236	1.449727976	0.492677718	9.457870191	5.411443278	6.368687694	4.503034539
3.499016648	1.476079524	0.486709444	12.62582007	4.394231043	7.62496724	4.109168017
6.133835599	1.350521762	0.48703191	6.787643821	7.35065561	8.386134534	6.13995742
5.592730881	1.334551771	0.462759948	6.845649347	7.008953512	7.972101244	6.26775215
5.55827969	1.257095666	0.301431307	4.677790843	6.468205928	7.60674148	5.434506599
4.70619744	1.364475441	0.41829863	7.47252977	5.905253478	7.372917468	5.226823911
5.990341974	1.322086231	0.394947665	5.958545968	6.566150043	7.621631642	5.325099728
3.402241971	2.417609124	1.067313736	19.03785989	6.199124245	8.673062375	5.179451285
4.694962775	1.486144188	0.474197103	8.018980289	5.885055347	7.745785378	5.293290809
3.687135997	2.437260507	1.005924766	13.16085845	7.629211866	9.394938844	6.07840286

5.077791967	1.405307642	0.522414625	8.633865286	5.774422954	6.957302245	5.08002607
3.135191944	1.695420813	0.613467574	16.5495196	4.127999306	6.895623019	3.745895924
2.850710412	2.041641304	0.866896648	21.52280332	4.496178115	6.600003058	3.727005407
5.855403603	1.36005732	0.490842874	7.054146531	6.7967206	7.816958337	4.705308676
5.932811483	1.381334176	0.505438021	7.028352625	6.888025317	8.285138567	5.150653749
3.581590732	2.237019314	0.875547681	15.8943798	5.567677959	7.077521436	4.596574285
4.507027733	1.67324791	0.669287595	10.15631876	6.728252615	8.471388814	4.847201904
4.123342499	1.595079555	0.653188745	11.83799365	5.837560055	6.714437919	5.0178637
6.947759946	2.034928204	2.028638594	18.25229207	9.687389407	11.9102387	6.108805994
3.925567046	2.271915408	1.32608993	24.21227402	5.613409073	7.348457011	4.137352921
6.772914862	1.304100052	0.438781378	5.347275911	8.013948629	8.945437824	7.328797871
2.67622163	1.576538137	0.230831137	6.446331823	3.706061321	4.064445715	3.47260209
4.326795878	1.262495301	0.25089991	5.256501255	4.804455382	5.562693962	4.557369092
5.917956007	1.137482916	0.196111351	3.112112309	6.227501907	6.991656647	5.563806536
6.40173762	2.161988027	2.214893875	22.53877067	7.476545259	10.27605095	3.975834879
6.063120374	1.572671595	0.888460402	11.17425524	7.457763091	8.532622557	5.625864366
4.753077275	1.888344514	0.957752346	12.296077	7.939032156	8.932437677	6.794875825
6.361935656	1.357151038	0.594011225	7.741623451	7.331484777	9.211163716	5.78458746
2.500794611	2.307455645	0.62713543	15.20289976	4.478161257	4.955505083	4.148067045
2.623569768	2.884997754	1.071281823	21.85387067	5.151393106	9.553864195	3.914729153
3.680429572	1.694737754	0.725930897	14.10545859	4.745414974	6.688893739	4.13940989
4.952145428	1.361861839	0.43590151	7.314983762	6.037230668	7.054625396	5.395490823
6.22525994	1.323373362	0.471488741	6.436042652	7.339372687	8.810244897	6.050747893
3.711043757	2.23807085	1.231873825	24.47249583	5.615999834	11.72901911	4.664210178
2.689900773	3.069167485	1.226704762	20.5873553	5.788037344	7.399226831	2.958265803
3.878638504	1.897421254	0.676624888	12.35771444	5.549713121	8.597574659	3.671040937
2.49390938	5.489558807	2.376992027	38.2446982	6.50466341	13.61778357	2.987645064
3.918080898	2.072246988	0.81534373	12.00488798	6.8716194	7.998712841	5.330688053
4.352632955	1.657311128	0.605954666	11.24896404	5.3911423	6.718835426	4.765538862
2.503222857	3.055985943	1.441066865	31.95833412	4.791307564	6.968678685	3.493962798
3.783670894	1.942940318	0.767967192	13.42578136	5.454402539	7.545808486	4.739347543
8.102980931	1.334385533	0.594653911	6.027560494	9.93478054	11.01822852	9.008608776
5.039161756	1.258745632	0.322721539	5.805357689	5.328737904	5.865585487	4.513720081
4.111596569	2.289623945	1.375279519	18.63480193	7.622450224	9.772038749	5.6002795
6.225263505	1.483721977	0.564812825	6.702903055	8.446685287	9.46372077	7.236033943
6.000006644	1.284086934	0.385385459	5.706679681	6.934276179	8.138896695	5.552747217
7.103797028	1.457904039	0.811622674	9.37261079	8.830899812	10.02303485	7.731942982
6.956267455	1.358664584	0.639429921	7.419600191	8.326485594	9.5196404	6.745994171
5.636808074	1.54310117	0.56139969	7.446195611	7.532753878	8.385906466	6.199601771
2.566094427	3.302643706	1.341110826	20.79981683	5.548380304	7.657345399	1.664121742
5.564704068	1.336400612	0.397738469	5.945133633	6.481919012	7.690415789	5.52373853
6.958993114	1.563335408	0.794373094	8.239312356	9.517372909	10.40051418	8.163390172
5.227163307	1.596638037	0.704119347	10.39880028	6.689033039	8.461344559	5.768958831
3.355679022	2.078006427	0.726655448	15.0395177	5.145743419	6.575137415	4.094925283
5.01997088	1.578426368	0.573058607	8.01943699	7.004014501	7.705633708	6.333526833
6.665230691	1.446346446	0.58229711	6.788769272	8.736700524	10.18507216	7.662193101
2.052353008	4.006080661	1.383363627	33.55818079	5.239259592	8.182707549	4.874224345

4.925884747	1.284513686	0.391933847	6.876804495	5.564434635	6.688295431	4.65896708
6.682637871	1.301939361	0.483967468	6.354053419	7.435605007	8.921193436	4.551040449
5.040233991	1.616427581	0.759806965	11.74516612	6.412125908	8.223904498	4.288492372
5.427608471	1.480894921	0.55415527	8.415468379	6.582611155	8.196552907	5.308422548
5.391763328	1.488385592	0.547509313	8.128497716	6.461029907	7.918556727	4.593527154
5.620879916	1.230790096	0.325647332	5.096868413	6.347977067	7.054418603	4.507844564
4.386175822	1.566252064	0.599239364	10.42711943	6.117248779	7.608487197	5.576309212
3.985285741	1.637924333	0.670701187	12.21377248	5.469977598	6.315424211	4.186249192
1.860754886	4.488851075	1.523976386	39.97248684	3.784100854	8.149962281	3.21329519
3.166347933	1.426138302	0.46183502	12.85954468	4.026928492	4.341637951	3.849770714
5.24886576	1.295985787	0.423498403	7.151706142	5.883226139	7.444642922	5.20621139
3.263520084	1.255594005	0.141163347	3.819955241	4.061716936	4.655387171	3.525698237
3.457235211	2.202234197	1.118391018	20.69066889	5.531718653	8.578276018	4.461683203
2.46317179	3.456728145	1.436791531	30.85819096	4.407617229	5.973935973	3.467068244
5.555549594	1.349939803	0.431635532	6.901294277	6.307864551	7.084879202	5.557426223
4.549815515	1.281914879	0.326088796	6.612790568	5.194230409	5.710503877	4.957874483
6.707495031	1.302434975	0.481549099	6.30470944	7.315828628	8.191572688	5.781637799
4.335546896	2.161659381	1.362466368	21.58242791	6.805490219	8.401545803	4.707964696
6.274388431	1.443097834	0.65718012	8.460534005	7.42425948	9.809930977	4.560471172
6.59727903	1.265982483	0.421529769	5.693555198	7.041560301	8.356080632	5.88308898
4.573804538	1.576614131	0.521613333	8.825494759	6.023391097	7.555702224	4.491185942
6.584245479	1.788800012	1.132114138	12.30398938	8.764077492	10.87336246	3.533591587
5.777468814	1.319711645	0.474438546	7.200475988	6.512996497	7.498731297	4.782958733
7.211392267	1.264809263	0.52527308	6.47366641	7.754058571	9.790749416	5.07555948
5.137294066	1.38071492	0.423788935	6.618916892	6.256925103	7.606950033	4.760150457
5.098056433	1.500525426	0.690400736	10.65495194	6.406788106	7.793633881	4.683039467
4.524131962	1.853754378	1.008195955	17.7815828	5.388373912	6.981782863	4.509591124
2.747805498	3.271200996	1.393183033	23.46334265	7.055393532	9.921346217	4.687565928
2.951375171	1.701934838	0.36539272	8.983450263	4.130989823	4.418890835	3.902848221
2.827918444	1.801897158	0.39574431	9.996736547	4.08417157	4.469916081	3.82053927
4.159041302	1.374416531	0.370674835	8.252235836	4.326102697	4.73913723	4.08837454
5.34559981	1.343963181	0.396113914	6.193089117	6.263736323	6.984189752	5.483906735
5.744483066	1.302238782	0.408131095	6.183069784	6.543491745	7.537604108	4.571234548
6.172452444	1.180138864	0.252401338	3.709866148	6.789565907	7.74791353	6.029001286
4.937365619	1.709275421	0.794595551	11.56944628	7.051920245	9.013147856	5.320285911
7.11032669	1.325220449	0.585052568	6.87196013	8.103666717	9.341869624	6.57114422
4.841685895	1.452212549	0.584083544	9.929355716	6.366573659	7.620377233	5.555935457
6.302114782	1.312911053	0.577004058	7.881517948	7.429064851	8.564233592	5.660656452
5.037768291	1.501696085	0.636089121	9.835958286	6.525459226	7.537100106	5.528017444
5.615570743	1.453253709	0.582659841	8.114858141	6.970737256	8.789185796	3.941886615
5.863984288	1.19555483	0.288688267	4.571858281	6.030759912	6.815730021	5.102181664
6.036457154	1.38569327	0.64833823	8.920191921	6.855365944	8.165377999	5.218189285
5.826927679	1.266246134	0.43871584	6.508269095	6.858848521	8.097572591	5.967717141
3.845229372	1.351437244	0.241168681	5.398351395	4.663901853	5.829367039	4.285599518
3.887399494	1.560211472	0.50506689	11.83112963	4.295121324	4.824069529	3.954219529
2.875232198	1.697643467	0.389798319	9.109642556	4.318192687	5.187694728	4.105105281
3.885793483	1.842691958	0.623291656	14.63465803	4.280724678	5.357486361	3.843740669

3.142979241	1.567663428	0.351259058	8.828671491	4.045839035	4.826156405	3.839589886
3.769221046	2.178764987	1.009334622	20.98311373	4.938891464	6.712354442	3.722523117
4.225548704	1.431969015	0.463351093	9.372545867	5.233825782	6.120734224	4.244444133
5.531489071	1.402808259	0.542869305	8.714141227	6.259394362	8.377257454	4.730032198
2.33335709	3.629435539	1.691105953	33.16666574	4.880335802	9.708751651	2.472059381
6.162285244	1.462138153	0.592858102	7.805916096	7.336108783	8.69829017	5.572902266
7.10607367	1.356372582	0.674808883	8.217469503	7.748701748	8.827169941	6.080267011
5.238997106	1.571812239	0.868348231	13.92948468	5.682025866	7.140404518	4.168148669
5.613239469	1.516006342	0.589047049	8.225231239	7.067197776	7.764922667	6.085305198
4.207148541	2.342205909	1.096489284	13.70388132	7.934845803	9.545862202	6.326768913
8.010950595	1.327902644	0.612981265	6.333851649	9.465412926	10.73024153	7.654307261
5.602918153	1.312558807	0.441878352	7.027187712	6.069245788	7.702745415	5.367995096
2.820102001	1.876899132	0.455366826	10.80672437	4.546956262	4.993173691	4.165333691
2.219571119	4.578858812	1.745138491	39.03776534	4.818081309	9.006851575	3.9015473
7.045275984	1.400399052	0.629323797	7.249738821	8.934085173	10.8603207	7.784731344
7.589789775	1.254309731	0.507475224	5.854313886	8.668277286	9.351920126	7.857081924
3.908562642	2.037744566	0.840535889	17.22438418	4.686138889	5.306827101	4.532128432
5.235588023	1.650756292	0.724188421	9.956071563	7.167428925	8.496204079	5.778617197
3.374155833	1.471353784	0.363781728	8.678101742	4.200046677	4.937723538	3.943435833
3.086631253	1.919747046	0.776612468	17.09164321	4.780611113	5.71500388	3.89293155
6.323718115	1.510882759	0.706862984	8.953361725	7.662078146	10.29246505	5.40303176
3.45025781	2.090924593	0.894432921	19.13664716	4.650280902	8.565548516	3.085994716
7.209301031	1.324552478	0.52936886	6.368465727	8.362608165	9.916485461	6.861852433
3.883733388	1.941650516	0.882203159	15.86945478	5.708568005	7.154561515	5.09008086
4.74717252	1.495417359	0.511346818	8.749016722	5.948847424	6.869907754	4.977084223
3.897124042	1.434130823	0.46691541	10.11850818	5.076267499	6.822980034	4.687739272
4.261370485	1.779357909	0.805184392	14.05094207	5.662843237	6.718246566	4.439286911
0.7189471	10.65856073	1.706205556	33.38016052	6.204028844	9.399202282	3.109101846
6.389556364	1.221363998	0.388140416	5.49209418	7.053960692	8.375120723	5.594554909
2.76223592	2.002443987	0.564112215	14.89481654	3.77267775	4.068959528	3.402850693
1.968560198	5.125240808	1.857410348	37.26172666	5.255330443	6.482175717	4.759289846
2.833389399	2.007124269	0.997686814	25.62021952	4.501342233	5.80527641	3.88811898
6.067806698	1.380998862	0.571344223	7.866382567	7.357278612	8.125647206	6.063858812
1.621543927	6.924669169	2.027200261	47.5201925	4.985188139	10.39255038	2.433978808
5.161190926	1.617652477	0.625455919	10.90387804	5.445172314	6.159302655	4.890162155
4.806908289	1.578297901	0.618749195	10.43166039	5.732275187	6.513711635	4.957401587
6.058871767	1.317498592	0.506901293	7.513606166	6.616838898	8.122830628	4.398686423
4.4309002	2.189362347	1.164332068	14.90001296	7.306463545	9.41713526	2.923558105
3.658652225	1.480246009	0.399681455	9.815798314	4.117162642	5.298650483	3.950173915
6.166823034	1.661386477	0.811282178	9.86549102	8.158248876	10.30138045	6.693944572
3.917795717	1.201395331	0.156966586	3.65426048	4.336460206	4.698635055	4.191838939
6.887169185	2.040690047	1.828197124	17.02429855	9.090750637	11.7592769	5.712371527
3.411313994	1.508708944	0.302119341	7.052090644	4.372038253	6.02775626	4.164402522
5.578631969	1.289049235	0.379436392	5.861409633	6.467356402	6.893500781	6.062654876
5.567781084	1.406070524	0.505639233	7.874898141	6.396980546	7.523244549	5.689628827
5.122483663	1.378886567	0.460718223	7.578744459	5.673429297	6.75265809	4.036842792
7.389531378	1.663301888	1.534065875	15.2128051	8.912911483	12.41288858	6.185174392

3.498730007	3.15797501	1.404315771	18.30064544	8.393690596	11.6956698	5.049235574
4.385082735	1.383788562	0.297127734	5.742581661	5.15414263	5.69063989	4.461924779
5.115980075	1.780532444	0.743865692	9.360089739	7.958341663	8.803469705	6.985541835
5.191839666	1.228058713	0.246482762	4.435729271	5.463288628	7.396315079	4.562814973
2.494475918	1.97356305	0.435179045	11.79744887	4.165183369	5.286295953	3.945573016
5.679854719	1.321432153	0.462119445	6.764231283	6.897137099	8.161863102	6.114802398
6.173605846	1.35746393	0.585785131	8.236160413	6.767898385	8.28136998	4.563638566
7.233022176	1.26882237	0.513505325	6.169318382	8.151799005	8.912798838	7.371494521
7.654571339	1.262693171	0.420506318	4.837935859	8.551103524	9.816930032	7.085738914
5.235954438	1.391008009	0.50555713	8.271562742	6.411061012	8.723552117	5.856524813
6.478651923	1.3164877	0.382840109	4.921133995	7.681416702	9.295766141	5.339411106
8.647865128	1.141444467	0.319319069	3.484532234	9.000058833	11.03008914	7.616841678
7.124466561	1.225211457	0.392481625	5.097277827	7.48830772	9.255698901	6.212974918
6.462397048	1.56116704	0.759890507	8.542752159	8.410900094	9.744038151	6.534992667
5.131175271	1.306776535	0.317261048	5.164747425	6.271895146	6.811479813	5.433766453
5.648022306	1.551384025	0.619690232	8.579657538	7.363677499	9.595654942	6.585128343
6.417256895	1.476678739	0.632287149	7.534098674	8.307287025	9.391164999	7.251757225
5.511528464	1.387235578	0.396957286	5.680514713	6.982289862	7.941051891	6.288117567
5.484239579	1.237799465	0.325384798	5.311872357	5.89089619	6.766539261	5.027211883
4.800108596	1.523873851	0.562541296	8.776141213	6.542179786	7.820928777	5.112704562
5.545751215	1.38205999	0.448404962	6.80545444	6.381953211	7.367339377	5.134658905
2.277841994	3.226641672	1.441315304	39.39977691	4.606421216	6.951306743	4.04475705
5.286342828	1.338394425	0.43768652	7.178871052	6.077008184	6.774641973	5.506070626
3.983484481	1.980148403	0.786978835	16.33382932	4.634156641	7.396409122	4.124749183
2.716874542	2.442966914	0.801039565	19.42918291	4.069908112	4.634543853	3.655318937
4.434085314	2.073066381	1.069869702	13.89579633	8.016077963	10.27653633	5.351481607
4.38275611	1.41206007	0.347848128	6.818289792	5.203780969	6.090888071	4.556610954
3.514360486	1.304884916	0.227553645	5.399998021	4.409750027	5.10794359	4.1037478
4.654668286	1.46758358	0.476562858	8.708151746	5.551789909	6.547217083	4.806055279
5.087054201	1.272384487	0.369837942	6.485884507	5.941082399	6.986135382	5.413264866
2.730308711	2.022140457	0.470631953	10.66386718	4.486288661	5.263654487	4.169567385
4.422781317	1.256311974	0.258173751	5.519294104	4.744802926	5.880980198	4.390966339
3.550814199	1.260581827	0.2035808	5.017663169	4.166764911	4.488593269	4.036820535
6.650804784	1.372595046	0.513518095	6.834120115	7.223261215	8.938738317	5.553638305
5.357680609	1.176314544	0.207564841	3.520783541	5.843677055	6.291159128	5.117110266
7.955854026	1.185129414	0.42333643	4.825872027	8.859915465	10.8328603	6.00131369
5.547412681	1.640803449	0.727356938	10.33140797	6.659894323	8.13775742	4.526685784
3.011357415	2.4279112	1.049499012	20.54866625	5.720274007	8.090268283	4.1680435
4.686452461	1.392044733	0.476905495	8.958582119	5.290878699	6.77260245	4.82546865
3.757735711	1.660417599	0.452178429	9.064554896	5.049303642	5.712691594	4.7790668
4.225303818	1.180154163	0.171564413	3.889609556	4.502100367	5.87349049	3.954163482
3.016589469	1.872042482	0.784526456	20.66366386	4.963370703	7.622215005	4.320701036
6.482437333	1.338520845	0.533250858	7.090672971	7.384841699	8.775881199	5.474817788
4.889513856	1.266556654	0.310297178	5.86888108	5.152330961	5.48284996	4.832507585
6.154361423	1.480877752	0.70824791	8.88906687	7.956628053	9.046104573	6.20767027
3.627319947	1.417341669	0.387509389	10.14270587	3.807199335	4.315551345	3.662144103
6.262171127	1.362594768	0.631523447	8.55610547	6.955475939	8.109980243	5.111097137

5.744324013	1.331444642	0.386805469	5.757776838	6.649477818	7.750049639	5.531623817
6.427707814	1.484112734	0.747379783	9.773752226	7.935073439	10.33460978	4.917437411
4.412801411	1.437554508	0.369179208	7.135854419	5.398535196	6.402494773	4.896065902
3.959121973	1.192268285	0.217154496	5.297187177	4.219999779	4.580245265	4.02784969
3.041240013	1.299763312	0.152824333	4.358412145	3.72383878	4.016404623	3.517760911
6.472787076	1.932627637	1.67460821	16.50525761	8.344012427	9.948529302	5.263572394
7.821670804	1.233529513	0.402343015	4.634144571	8.463766975	9.950508129	7.436154781
5.223567607	1.791426698	0.854079441	12.74622137	6.493971929	7.725592694	5.269476644
3.935928577	1.486564375	0.36162639	7.763424239	4.445943366	5.474535013	4.065649369
2.663670402	2.995520618	1.11518727	21.54367177	5.10230714	6.573701978	4.160369438
3.417361533	1.430773924	0.263985621	6.258552846	4.227356652	4.617978854	3.861569201
5.153979431	1.271403014	0.406155276	7.04695138	5.746280957	6.347413206	5.256392745
4.929173522	1.351207226	0.387522555	6.535456903	5.930121015	7.492972058	3.762532369
3.02670287	2.131934475	0.960003723	19.90902672	4.914392229	7.067533581	3.13294494
5.582198106	1.298776165	0.435728813	7.013492118	6.254660928	7.274980149	5.752117298
5.046510021	1.581492427	0.809878169	13.46985837	6.227557694	7.669319998	5.102322159
4.425243191	1.638536677	0.692979613	13.07256787	5.567852545	8.292887459	5.0280445
4.373864258	1.508754858	0.612392256	11.36720409	5.879683526	7.495069471	4.642264658
2.870859155	2.607043621	1.102941598	23.02049861	5.488692713	8.674292487	4.603648033
3.27980439	1.459447346	0.280037853	6.815999652	4.207009384	4.777833394	4.082670226
4.470352761	1.306946997	0.28990674	5.579936352	5.182133983	5.854207749	4.168466135
3.986225099	1.25250276	0.221808408	5.060240758	4.370011493	4.732334392	3.943677973
5.663039776	1.139207285	0.217445123	3.63975198	5.987291329	6.623270045	5.430630413
3.591265449	1.351742116	0.228104891	5.371322681	4.371538484	5.082497898	4.207515871
3.736333606	1.437851033	0.490825846	11.27722419	4.819047356	7.640947119	4.31041244
3.865402846	1.977448713	1.063763069	18.77407717	5.771306076	7.390945367	5.13326598
6.22494846	1.40431468	0.515528651	6.527989989	7.998748558	9.655692976	6.850224001
3.742170786	2.400305602	1.010653181	13.42881933	7.671875558	9.904474866	4.740962269
6.623115911	1.295386148	0.449642873	6.054712379	7.481599375	8.888617874	6.38536179
3.61534755	1.894708121	0.814292277	16.13254065	6.053797085	7.960360548	5.454566191
4.148002138	1.623276968	0.726161692	15.64259236	5.178143748	9.165001767	4.596299118
5.923916898	1.589553302	0.788651892	10.16172901	7.56975879	8.426579987	6.237659768
5.078296562	1.85213886	0.861670238	10.66589428	7.375381308	9.028984249	5.943075867
5.60261416	1.443877356	0.501654056	7.51189955	6.216149476	7.158645703	5.145411986
3.70573171	2.444150542	1.551058434	25.79275135	6.985584417	10.42749746	4.057157718
3.325149682	2.452721055	1.122480496	20.57223135	6.013711526	9.343973978	3.692726041
6.341486	1.39699454	0.51955518	6.4324871	8.204859487	9.789647061	6.761438195
5.175633187	1.272248316	0.324183087	5.650113149	5.408666758	6.610432872	4.577482514
3.679309123	2.326942749	0.943050634	12.31097354	7.704455322	8.643969303	6.827854054
3.068004583	3.459021092	2.315166159	52.28928441	5.029963551	10.54370614	3.605597829
2.174229272	4.66553781	2.650068899	43.3432557	5.269913114	10.11879261	1.585419116
5.50621399	1.379371379	0.558834922	8.659819648	6.217340905	7.314068322	5.040600576
3.821594946	2.001006087	0.80377942	15.82987289	5.038237752	6.628549548	4.630366277
2.94740295	2.821151758	1.851179827	45.65612235	4.696885441	10.28195169	2.998048619
4.168901912	2.068670873	1.086998784	19.1714245	5.611036242	7.528605599	3.786593069
5.465669697	1.293879969	0.373185956	5.861161551	6.147485838	7.078508744	5.597727037
5.194171189	1.330034877	0.413825059	7.083868654	5.74804956	6.483908356	4.691772208

6.064726423	1.198069369	0.286451414	4.381136639	6.732325232	8.724213543	4.87187544
4.710496805	1.25318567	0.274680799	5.210953844	5.325854878	5.76921372	4.809978828
6.553435843	1.378703048	0.601617735	7.715335271	7.954218545	8.6701809	7.003197571
5.70736628	1.388813041	0.581227366	8.356663211	6.854244709	8.448083978	5.305507232
4.380223317	2.470013156	1.899126766	23.61675066	6.560654333	8.707402371	2.02118782
5.234303621	1.430195586	0.515639373	7.906551289	6.581279696	9.226244283	5.174135109
5.293556788	1.60316451	0.712206337	9.934507723	7.092704031	8.239833417	5.497417362
5.969156233	1.365631524	0.514904243	7.287621588	7.415964496	9.596506393	4.656888524
5.188900253	1.950930958	1.017911197	11.90361151	8.569822432	9.774271276	5.594321847
3.097550306	2.915151546	1.230775247	25.8217141	5.096697909	9.266162262	4.410486201
4.067974605	1.301276986	0.262589533	6.076192776	4.563749123	5.767226748	4.052512389
3.264005123	2.180795159	0.859275721	15.85853803	5.44773858	7.551279225	4.643686051
3.171625308	3.06051148	1.763749595	23.19757957	6.314111523	9.642315207	2.660583223
4.798542129	1.409399265	0.413250847	7.148132689	5.815232862	7.178496675	5.206420227
5.485466827	1.249879085	0.350779615	5.48103184	6.372527021	7.625123921	4.645729053
4.054813718	1.257531367	0.181141643	3.936300825	4.660207195	5.066369366	4.388176141
4.988720533	1.600826784	0.759204344	11.27367254	6.869722215	8.568872696	4.872379335
5.69987147	1.546040439	0.757659158	10.71793825	6.898917894	8.482723914	4.380848317
6.706091825	1.321674255	0.512376023	6.36707217	8.23753646	10.10509799	6.624097826
3.242278409	2.74054666	1.059325498	15.43423067	6.786065968	9.452955281	4.161131756
3.24136086	1.770914658	0.668961749	14.60340804	4.904117536	6.113800727	4.382248861
4.562944124	1.686774605	0.653764448	10.2712696	6.436632019	7.858419985	5.631605037
4.679388921	1.350180931	0.385803679	6.979858082	5.808324994	7.195227049	5.365858521
5.185050443	1.284335753	0.387100547	6.492070554	5.871107511	6.942430898	5.19231792
5.965770806	1.458777253	0.629195426	9.217354804	6.877598894	8.820612104	5.318067546
3.11294844	1.372155555	0.196377961	5.5308462	3.570846654	3.972046898	3.019884862
2.865772357	3.340027152	1.384918779	34.75875609	4.782707342	8.848791967	3.614160197
4.723770468	1.45999474	0.522227557	9.196308677	5.717661404	7.319988663	4.233278217
5.720703553	1.219794989	0.303652156	4.748482774	6.605664596	7.32095287	5.043711321
4.37722824	1.201689303	0.162772931	3.566443164	4.613465615	5.139314979	4.471865438
3.788090294	1.761315452	0.54731327	9.853307107	5.518016756	6.32425114	5.127933136
5.529412104	1.253485859	0.399424887	6.44622194	6.242210935	7.796180085	4.422668098
3.107278179	1.830422841	0.529659598	12.79479349	4.379488041	4.911888176	4.117816049
4.082852223	1.209028866	0.166804895	3.794118173	4.434475385	5.206306102	4.211391469
3.377349314	1.540801423	0.55100587	12.59340959	4.837701417	7.150014725	4.365714799
6.654512412	1.37784452	0.579091925	7.306393057	7.887860431	9.120024869	6.012288854
5.140630676	1.587306687	0.557856255	9.42726843	6.157691359	7.598366873	5.201404943
7.464232902	1.383756888	0.643295653	7.022416447	9.195918026	10.03668257	8.404563621
9.692473299	1.225216848	0.543288381	5.027325447	11.09441109	12.97526026	9.000406605
6.633805317	1.213810869	0.334055694	4.470457586	7.400770082	8.336452155	6.383250131
3.808147507	1.970367774	0.943232081	17.7287212	5.07830274	6.537500057	4.073700387
2.9152	3.239614926	1.505697096	29.5807135	5.126291871	9.127753308	4.117690884
4.99904233	1.239992448	0.312719962	5.546141682	5.433396868	6.164357973	4.861752105
4.53580942	1.610029198	0.588893637	10.44494168	5.718997665	8.059860735	4.887304965
3.388014293	2.356053733	1.179039619	23.01895899	6.137310922	7.699513086	4.836803292
3.303639089	1.607128964	0.379430588	8.974897605	4.556954895	6.205059325	3.846918561
4.731472386	1.480106663	0.599701887	9.879783891	6.295042926	7.369220699	5.540061361

5.691759045	1.303998486	0.394167745	5.783619491	7.04622936	7.798789238	6.296618119
3.987170519	1.836297568	0.921679228	17.32565276	5.260659091	9.050708343	3.665346659
4.319730562	1.479525576	0.392814883	7.245931295	5.343853819	5.67342718	4.720520561
6.954833584	1.325653905	0.522894845	6.645636249	8.219423653	9.404033438	7.365125099
2.920844305	2.864326779	1.131171056	25.77391088	4.582056874	7.897504132	3.440374414
5.699780477	1.442145459	0.494749425	7.1859006	6.642555714	8.232494455	4.878625567
3.46261984	2.363969107	1.084363267	22.55498821	4.992562675	7.128536713	3.478479598
6.853126185	1.315637137	0.469557689	6.045457297	7.486556116	8.498011679	5.589527374
5.656608891	1.238739716	0.309604424	4.888099081	6.072976753	7.4402823	4.89982088
3.013238334	1.323210667	0.181203546	5.355989985	3.352133643	3.617295331	3.107005331
3.284452706	1.953980658	0.76740536	17.88479138	4.768832818	6.557613162	4.370221353
4.481299198	1.560260238	0.455331759	8.517987203	5.168754419	5.87981434	4.666149369
6.026902365	1.345941142	0.568586051	8.153373732	6.773857527	8.100399522	4.770897975
6.301446113	1.257734695	0.405792311	5.634777341	7.09528869	8.070946547	6.270899417
5.869201406	1.312348749	0.465142908	6.803904929	6.818699708	7.831284883	5.469750621
5.0615834	1.293031666	0.406568192	7.22052909	5.36395606	6.132167033	4.43878742
3.653760622	1.311733475	0.190465902	4.514488651	4.270498237	4.719473636	3.984836974
3.187700428	1.81019459	0.6730231	16.05928929	4.036314375	5.049203571	3.251726822
5.266778133	1.467270831	0.453696434	7.331125145	5.898905114	7.224098325	4.007247319
2.520264661	3.191871328	1.550688865	28.5240689	6.681177557	10.00362583	4.904113875
3.541039048	1.681108386	0.61687027	14.5260185	4.737065522	6.072308991	4.395247706
3.934767023	2.554088278	1.936440493	31.12249267	6.419140877	9.777140513	3.977110101
5.860789933	1.739608807	0.964786817	12.29283319	8.452570926	10.95551719	6.892277097
4.93775117	2.261217659	1.543871268	18.37351237	7.948126481	11.29692734	5.426454795
3.728330816	1.602216588	0.445893139	9.29579785	4.993162475	6.274857857	2.879336743
3.761983398	2.668298425	1.695472604	22.63333698	6.069719639	8.040096739	4.505292751
6.189130207	1.396293919	0.636947651	8.44856355	7.353452538	9.689676755	6.274296292
4.867201323	1.655946725	1.023332742	16.38913258	5.773231586	7.840454957	4.306701945
5.571465075	1.468515522	0.642113734	9.363735632	6.910997209	9.017088109	4.679021598
4.484558213	1.874935014	0.791517992	15.57723822	5.312361869	5.952320963	4.803516544
6.045358344	1.210451602	0.31613081	4.758610594	6.647171055	8.042068874	5.03821958
3.54633384	1.903799032	0.968613317	20.28913323	5.535689553	9.247872527	4.549192359
3.290649963	1.942086104	0.907375373	18.11254878	5.926227615	8.255691487	4.704608375
5.240671943	1.398049071	0.392465446	6.600312199	5.808142508	6.573558819	5.056081912
6.005287674	1.372766543	0.543149501	8.008137928	6.527368729	7.300272775	5.246666115
5.865620084	1.2798283	0.298249415	4.594694103	6.388500631	7.706537087	5.559051434
5.369658331	1.439500855	0.572807466	8.757261987	6.562168486	7.445391952	5.977192835
2.041304051	5.646082431	2.992627733	49.3548887	4.861517784	9.549605628	3.653411517
6.862265344	1.154604945	0.297308777	4.083647619	7.299426642	8.76751987	6.059757511
6.345349864	1.198453436	0.261940787	3.655938367	7.066786705	7.844801359	6.131602023
5.497606911	1.416300987	0.536499393	8.052682026	6.829793357	8.576057365	3.659669512
5.053984444	1.455795603	0.558941936	8.748286596	6.27898936	6.896456949	4.891326082
4.940592064	1.281226175	0.33683706	5.846212509	5.73069333	6.669415062	4.957152139
6.891938661	1.519408908	0.863459541	10.02399512	7.941104636	10.42722305	5.142714709
5.035528428	1.189744756	0.276193371	5.148942057	5.501502994	6.830444637	5.000768107
5.971511376	1.463767634	0.619942541	8.453580063	7.212515205	8.697056731	5.378920791
4.851564302	1.347928182	0.394987762	6.924150653	5.667787604	7.260958647	4.284392533

5.013115712	1.738328235	0.84102346	11.95178776	7.253425275	10.32377301	5.816617354
4.948462997	1.938043539	1.135512987	17.95212377	6.514016391	9.764056954	4.859696031
4.821698084	1.613145613	0.902050373	14.74303753	6.235935821	7.820710106	4.556320981
6.427377602	1.348621068	0.468434341	6.205766159	7.44997734	9.625155169	6.11261188
1.383563183	4.931054888	1.766477626	47.34085181	5.258757993	8.603711882	4.49618854
6.966469538	1.175484555	0.259309207	3.4175185	7.500484349	8.520020662	6.247392831
4.883665373	1.35666065	0.416716387	7.006526286	5.804183498	6.815124496	4.260906823
4.306696357	1.828174539	0.823135819	12.75766405	6.524099913	7.874100195	4.744616454
8.369248894	1.292419437	0.594364811	5.991514586	9.508381018	11.28928169	6.302978381
6.250473205	1.415843018	0.636660426	8.319062848	7.396052931	9.556371799	3.449023431
3.579414169	2.706121921	1.105153815	14.15061635	7.812645019	10.08574362	6.2800705
3.674893791	2.185716352	0.911281984	18.59543148	4.726666293	5.825953743	3.639487505
3.493104859	2.322653023	1.250767699	25.11725658	6.394235946	10.00781031	5.207189699
4.474334143	1.792728931	0.938047006	13.94791447	7.395959197	9.157493161	5.910285688
4.737328385	1.842817258	0.989731502	13.61688258	7.266080379	8.651450462	5.502498923
6.852595352	1.445433143	0.866147769	10.50781398	7.793719892	9.53967372	6.831433213
5.250632429	1.767622557	0.899849666	11.2883092	8.186860975	9.418644201	6.394189705
5.253474364	1.327106421	0.381714395	6.459918486	5.836177094	6.595420723	4.77346985
4.399956565	1.395160407	0.438101246	8.765755286	4.754138949	5.536337553	3.957652928
6.777048923	1.488849405	0.926170037	10.76550287	7.879333241	9.903166484	6.187452842
4.706042201	1.898407229	1.006875331	14.78516712	7.227884347	10.22129994	5.313264367
7.351345147	1.281370351	0.469425875	5.391678233	8.533215872	9.689557698	7.463157833
2.652621356	3.620333794	1.228309958	30.5679547	4.208047313	10.47517953	3.553956533
3.957465025	1.248795983	0.175645915	4.171997842	4.299583709	4.849317035	4.094657556
3.013163896	3.011400257	1.408055831	29.25199248	5.196450765	7.762306313	4.079835031
6.23864548	1.355354963	0.475528875	6.162257538	7.475478529	9.363546836	5.08033033
2.979638528	1.971871527	0.574925012	12.34423471	4.868983968	5.31008963	4.568766567
3.815825669	2.193931335	0.792855124	17.29414205	4.968273449	8.83241944	4.197874548
5.104651689	1.430569607	0.472315012	7.787108022	5.981693899	7.000669949	5.201285222
6.161490378	1.508167646	0.796084817	9.8001859	8.045899469	9.050417728	6.854113043
5.937062528	1.700892533	0.95181122	12.99398465	7.521503351	11.1234249	4.786366946
3.548672249	1.492879998	0.398064817	8.876746654	4.472878712	7.877719415	4.092615814
3.167748538	2.483321275	1.006888965	22.48231631	4.535340231	8.286711822	4.247174361
5.411704083	1.527802955	0.516997453	7.127120669	7.267177234	8.239715613	6.081942615
4.934752994	1.329318147	0.369176327	6.426284837	5.493184931	6.841882562	4.040248961
4.906655929	1.513547474	0.580424608	9.478787146	5.813055388	7.520632469	4.016856334
5.315310268	1.962731833	1.05070764	11.5036504	9.163205322	10.215735	6.078443831
6.54702597	1.442442678	0.714957537	8.823879392	8.279278151	9.6436125	7.090028844
3.370459419	1.141900497	0.115091445	3.094953614	3.748200369	4.071990356	3.443673258
3.751675175	2.283258606	1.315476093	23.33092129	5.139969049	7.403804429	4.022834467
5.949797848	1.502811322	0.598671144	7.283409857	8.09973008	9.057474175	6.855281191
4.433392233	1.339075237	0.331667748	6.215348853	5.464080703	7.164011848	4.832551484
3.293451893	1.54191653	0.310305095	7.463234966	4.233295053	4.626473653	3.867652482
6.58120081	1.156628637	0.253199217	3.490598678	7.167726983	7.965603692	6.374810116
6.103024697	1.227294971	0.37940867	5.643201902	6.516097092	7.381776908	5.743117704
4.768448752	1.328043777	0.342243269	6.396190427	5.381964283	5.890741462	4.878647453
5.521708748	1.306433724	0.394741894	6.108148564	6.251784528	7.373046429	5.188560541

4.657944623	1.254650384	0.265491154	5.339235187	4.924728314	5.510431753	4.526053346
4.122670984	1.61879466	0.531196553	10.25832658	5.510241398	6.952229488	4.66406268
6.170575009	1.86311515	1.106095598	11.13887592	9.679414834	11.38414997	6.841135608
4.524115696	1.607049842	0.690726026	11.64487162	6.078335583	8.362729413	4.839822054
2.647137448	2.914566649	1.099453172	17.21705399	6.697568456	8.272345049	4.127506567
4.93535961	1.253011906	0.308252646	5.531917642	5.467777541	7.165004849	4.348108749
5.712536932	2.243958207	2.12623005	22.41206284	7.741331302	10.75661582	3.790163434
4.820218997	1.5066012	0.456965556	6.983438182	6.242315522	7.915195013	4.944446829
4.385370796	1.63068888	0.583436353	10.91424143	5.452776311	7.271804837	4.962911845
5.849094893	1.429824832	0.486977346	6.78412469	7.157930501	8.233570687	6.068580065
4.234439733	1.784017975	0.712458222	12.22210509	5.50948124	7.160947482	3.477381574
5.541225559	1.384233643	0.424844831	6.215233841	6.44006049	7.79865504	4.630589114
4.609818629	1.886304149	1.001627519	17.27981464	5.466044645	7.997769233	3.82071922
4.763163895	1.95453497	1.251896718	18.01428484	6.514847151	9.930505265	5.360841046
4.929955256	1.481560629	0.580797612	9.482801577	6.247865321	7.031160604	5.424807628
9.398120217	1.245331873	0.570665801	5.302269426	10.58606562	11.82490076	9.49392462
7.360150218	1.407649241	0.710043555	8.013414983	9.317817578	9.997838033	8.589728773
1.605923035	3.692991255	1.572664062	48.77765891	5.359690654	10.92474942	4.774564137
5.239116899	1.594823801	0.806927329	12.57570898	6.619864434	8.317034739	4.9545126
4.087558402	1.965710487	1.052960307	20.01202018	6.465353083	10.47971049	5.143091993
4.3303677	2.827337181	1.672467014	20.06990741	7.496859773	10.9167214	4.279430786
6.9627489	1.240753494	0.520748798	6.804992737	7.193203495	8.337590389	5.309551543
4.563015003	1.666530029	0.824412756	13.76507473	6.419761131	9.049202348	4.935424369
5.208067719	1.676311277	0.727546058	11.00905829	6.184329473	8.237410722	4.321471634
4.373395327	2.068754873	1.03088186	16.71849115	6.780480437	10.80943459	4.87559846
3.879080338	1.657468948	0.538522482	10.88682928	5.035580844	6.337125351	4.59159645
4.900667971	1.496279034	0.528541539	9.16481569	5.964630931	6.891617521	5.64592886
4.226896073	1.571862071	0.636233179	11.48291492	5.550738403	7.710189663	4.459128767
5.920763883	1.696324171	0.923655021	11.16201166	7.823897146	9.141367359	6.370338613
3.090377719	1.501196133	0.286338211	7.142800907	4.162460188	4.635183731	3.964267468
5.836692672	1.262313483	0.355161205	5.187673661	6.850736935	8.066531146	5.896789478
3.920538459	1.366574034	0.306382091	6.900189114	4.411762172	5.844034396	4.178699281
3.427322531	2.154147273	1.10494228	19.54035346	6.46404835	10.18000621	4.324896129
5.295374779	1.59747832	0.591810546	8.701251101	6.851079613	8.519310163	5.007938646
5.651963587	1.28314668	0.391108024	5.969599415	6.630001731	7.770604225	5.56441847
5.570533831	1.188023713	0.270537966	4.402570776	6.068465451	7.071380244	5.02825754
3.779244914	1.324378266	0.275679696	6.74527584	4.114387301	4.906883023	3.828577208
4.494861525	1.490411788	0.482712896	9.666415614	4.954570205	6.416549556	4.629218269
5.266816441	1.658327637	0.749471748	10.65396881	6.604220149	8.717314181	5.307947754
5.023455109	1.402955648	0.423672458	7.441067843	5.473160774	6.399258759	4.705806386
5.781647248	1.389524383	0.630151069	9.104666498	6.639747377	8.327045035	5.060975761
6.013686435	1.213003526	0.337249091	5.087620914	6.660138739	7.574236672	6.037504637
2.318739689	2.468662177	0.979281383	29.04652529	3.83719956	5.521422198	2.94254269
3.288079897	1.565102635	0.39105991	9.737533431	4.042360991	4.766576874	3.697847938
4.134103362	1.611772022	0.659137823	13.37237364	5.338719163	7.00090183	4.466395965
3.886290783	1.547935803	0.41119184	9.154068591	4.496130687	5.195964746	4.116775143
2.032296877	3.785278704	1.189375055	21.53156486	5.154758053	8.305245503	2.590492586

3.149248162	2.673955606	1.130382663	23.23752956	5.284984592	7.454975611	4.681550002
5.754482816	1.394268548	0.454373131	6.477432491	6.975559431	8.048327091	5.978130105
6.616614745	1.154917861	0.278307824	3.945207297	7.14534076	8.658253549	5.826539347
3.566398299	1.461209713	0.30198868	7.411841259	4.079241853	4.628397404	3.935621923
5.92802276	1.457007339	0.69401204	9.153038238	7.689668365	8.526063242	6.5178915
4.229892701	1.858002182	0.702667611	11.79716046	5.957618025	7.497937835	4.57236489
4.126843982	1.981614031	1.198774773	19.69232157	6.190882391	8.88049543	4.238687831
4.815853607	1.694553996	0.748916181	10.94764382	6.973320492	9.040770148	5.018719573
5.911876387	1.380855481	0.478675632	6.677081994	6.877231525	8.586944131	4.959926039
6.839363429	1.240216563	0.395278977	5.090968804	7.839478737	9.768290587	6.165613852
5.026416061	1.384621372	0.468192225	7.455064901	6.370182121	7.556386216	5.440107131
5.877368299	1.276597542	0.316091464	4.647788817	6.514467136	7.281998299	5.881468154
6.494328886	1.436727225	0.524406514	6.48700722	7.87696648	9.369631007	6.491327463
6.356884945	1.321572882	0.525300469	6.969982454	7.031982766	8.470912587	5.700049423
5.172478728	1.748492417	0.729577603	10.13901856	6.819357012	8.340581251	5.841685355
5.456223511	1.237186107	0.388729008	6.503984544	5.651380618	7.190778492	4.927683762
3.9675115	2.205353021	1.173774886	16.98287959	7.521864243	11.05021799	5.626667921
4.032008157	1.427268612	0.506386937	10.43112348	5.406632807	6.06450054	5.166908181
4.71319317	1.648075071	0.753023498	12.97133982	5.577503929	7.373244528	4.533216159
6.244093963	1.345336777	0.551058018	7.408199068	7.592659978	8.739750578	6.664730149
3.898539118	2.455917773	1.333834996	19.46137452	7.221790162	10.07223153	5.293143656
6.348168336	1.236397272	0.378786718	5.336641306	6.844665593	8.960324	5.302538994
3.431622283	1.840305278	0.621375207	13.29284538	4.544736934	5.043801497	4.261696481
5.292931071	1.444237181	0.485315063	8.003314519	6.188472055	6.883156486	5.005474635
6.044910312	1.644267636	0.70080673	8.396117757	8.228727178	9.653232358	6.874755517
7.246426173	1.369442861	0.548172721	6.234428442	8.496677432	9.243010315	6.828409694
7.386038117	1.365039558	0.67183605	7.604550109	8.836038402	9.75723559	8.18070302
5.585529849	1.502543677	0.647361723	8.81375441	7.266332335	8.610991893	5.692479673
7.600112894	1.362175967	0.531692836	5.945031554	8.87659661	10.17638525	7.184926561
3.550854636	1.994078549	0.705100024	12.74300663	5.608826607	7.057776425	4.322766412
4.807788233	1.627759122	0.542200377	7.579656634	7.167107973	7.968981097	6.363476754
6.102025564	1.3648917	0.453320081	6.181415935	7.27405497	8.427209587	5.584866706
5.275278934	1.372288553	0.393216133	6.433543918	5.986258847	6.598914907	5.334702186
4.999289743	1.182607994	0.222282276	4.172222815	5.346813531	6.117201594	4.601208492
4.046807514	2.818818746	1.880931428	26.39282243	6.600210485	11.76022358	4.122323198
5.044747354	1.33343843	0.346111393	5.789176259	5.908900537	6.540781843	5.026892769
5.936752758	1.324956855	0.496990821	7.191141777	6.553542675	8.545324385	5.518494935
2.673138547	2.872112835	0.852709318	23.41876223	3.762512131	6.98582025	3.207452231
6.178336562	1.277873331	0.358172035	4.918025668	7.206194413	7.972455985	5.734383618
6.757188437	1.246166525	0.432728814	5.692377639	7.059319046	7.996669789	5.501780967
1.783143298	4.803759112	1.58150127	31.65241827	5.990289339	9.272934731	3.306693914
5.186295027	1.367789727	0.497366238	7.839920741	6.246832869	8.112911057	5.249117741
6.953159036	1.302655056	0.521394084	6.431909246	8.06305187	9.501754494	6.762729287
4.077229304	1.466573626	0.40396336	8.875562167	4.71679296	5.764720896	4.253124986
3.632241155	2.269016966	0.937660725	13.9312289	6.679616918	7.991002037	4.96714807
8.526239125	1.23790488	0.520408718	5.344302889	9.586492836	10.62989885	8.259929223
4.19427633	2.106671039	1.23364223	19.75755043	6.267786431	8.682625399	4.063834848

8.342852926	1.354125297	0.832186602	8.567801333	9.04936752	11.06125719	5.963069796
1.98975258	3.538636334	1.54334407	36.88539915	5.568639949	11.44960103	3.715941249
5.681437968	1.285254422	0.443687029	7.000142989	6.253987883	7.60367995	4.886615437
7.240573793	1.678637752	1.005831841	11.17151475	8.430494138	11.39350974	4.658108596
1.997613941	4.324266038	1.968134254	39.42896916	5.594890468	9.965461997	3.443536801
6.27403246	1.340936092	0.515259737	7.21939713	6.915596149	8.048598927	5.808096396
4.969551283	1.52022416	0.607901442	9.909060448	6.153393727	6.891657445	5.645305873
2.913155976	2.785845633	1.021552376	22.19092187	4.658858438	7.483710117	3.465192986
2.812047113	3.763434127	1.508362864	20.94153566	6.311427096	8.129904374	3.772128208
4.266559405	1.676193461	0.746597857	13.69597599	6.054530951	8.849130067	5.382839571
5.244405733	1.24893721	0.334342604	5.616258518	5.932197639	7.216663749	5.28147927
4.130856966	1.827730561	0.840674528	14.28127732	5.757791543	7.682058959	4.069386359
5.113274991	1.581360702	0.658371649	10.41751261	6.266857019	8.422786834	5.53119787
4.26312108	1.292095594	0.33347291	6.841937107	4.819636136	5.864556775	4.477895368
3.617376642	2.094872074	1.072112292	18.21044549	6.348667069	8.123682608	5.092414749
1.835630959	2.799166246	1.18162374	43.96105053	4.013731704	10.94009046	3.692290756
4.626455029	2.090748531	1.257237299	16.89486716	7.924920688	13.42100678	5.079531095
5.168978124	1.45728861	0.471377925	7.004617957	6.905285173	7.687325742	5.665267574
3.460307166	1.576683721	0.67047672	14.93511394	5.275815434	6.297125788	4.540681447
5.007450215	1.481612445	0.470857279	8.194626236	5.863101741	7.388380698	4.837588951
5.986497993	1.304207464	0.447578147	6.703531384	6.62155573	8.12367078	5.875961815
6.320903124	1.533627872	0.802996546	10.02294693	7.87670839	9.627415802	5.574149649
3.619307005	2.045919047	0.797976027	15.84747454	5.56043274	6.246357222	4.561513967
3.988893263	1.767988984	0.852413919	15.36802946	5.995288374	6.95543707	5.013420616
6.306536702	1.435624195	0.796981388	9.858029633	7.985487712	9.344095377	6.205159706
4.616603905	1.50280535	0.449835076	7.432404831	6.136703173	6.715421343	5.501396246
2.737823721	2.311509224	0.723478968	12.91440151	5.435476324	5.723388127	4.923782095
4.13319857	1.59698478	0.615535754	11.31139048	5.758288158	6.435339676	4.685808708
4.307233715	1.425639999	0.363830955	7.419476308	4.948919126	5.92625681	4.62234028
5.793956401	1.415679184	0.53829872	7.507397926	7.026010175	9.036595989	5.213594753
4.845861228	1.626052269	0.656423368	11.12598545	6.119508325	7.306286641	4.789716267
4.668623485	1.394733394	0.366047183	7.280085126	5.105349492	5.600272457	4.856211972
4.97860051	1.615743207	0.601081156	8.789521325	6.749240079	8.701723486	5.250469965
5.696844618	1.25816389	0.396633173	6.146411461	6.584879503	8.503436819	5.89335243
3.941146696	1.502172678	0.632044067	13.46596047	5.013259478	7.394710486	3.953650184
4.686617277	1.32731747	0.329512239	6.192437739	5.419528828	6.229230644	4.918160457
5.470809536	1.414445962	0.596012088	8.480777112	6.923338901	7.857137052	4.733661698
6.212558121	1.185086044	0.365640371	5.444895316	6.356358832	7.570056812	4.425265096
5.294508011	1.43068074	0.522123119	8.168587749	5.767012263	7.258984293	3.869692999
6.402739858	1.381794208	0.585564189	8.056462367	6.829569211	8.458285718	6.022002626
6.077546396	1.26784808	0.394824606	5.755403522	6.7968872	7.726643506	5.702072948
6.197660857	1.453567398	0.653804463	8.608183348	7.186983581	8.706181253	5.619808973
4.774322042	1.852338207	0.892189891	14.98981388	6.001737396	7.170497594	4.948150148
5.42161411	1.570766551	0.573917272	8.013070401	6.926810471	7.754759024	6.217495686
5.221095739	1.330396377	0.405165161	6.902653891	6.081554604	7.478161514	5.14040448
6.328287539	1.199816589	0.348776572	5.013052153	6.976800412	8.262924538	5.085532374
5.089685714	1.436129028	0.522967272	8.840202776	5.75096752	6.597240218	4.74500834

5.413435097	1.223255674	0.297206495	5.062362205	5.836407344	8.627195702	4.556485419
5.340177179	1.289306106	0.337197432	5.882422256	5.775598963	7.75476747	4.632323891
5.994500218	1.275994027	0.453054389	6.676715782	6.659437176	8.100130774	4.99383459
3.600230341	2.266538171	0.829091465	12.3487298	6.840699521	7.762430451	5.831056061
6.676640462	1.259038173	0.35075982	4.71827916	7.283325133	8.200034523	6.156146952
7.387698991	1.221233104	0.441888209	5.365362809	7.874191042	8.855154902	6.119583354
2.959022616	1.832826761	0.533372125	13.24529144	3.89734809	4.820369339	2.877235535
4.761719753	1.454188686	0.425613908	6.865480683	6.391050111	7.522265248	5.722002756
4.65525522	1.264932301	0.294751148	5.711324979	5.250501793	6.054721408	4.374542751
7.102203769	1.14220977	0.255695921	3.372298596	7.591098452	8.652484515	6.501957532
4.381869806	1.863457527	0.638357259	9.508842935	6.388493538	7.722488005	5.184330434
6.398364009	1.367257346	0.435038901	5.662199009	7.646059279	9.730416302	5.816109719
5.92709174	1.465950592	0.734383138	10.06677938	7.473401205	9.607409002	6.203808574
4.534014977	1.712002794	0.72508993	11.6199169	6.189775929	7.622359146	4.49825116
3.546098874	2.066895181	0.970132699	18.26081165	5.069059059	6.785470794	4.332086272
3.842408526	1.461020685	0.601922413	13.02023351	5.077457147	6.262095657	4.785990021
4.789205164	1.916650616	0.739923485	12.18803955	6.018523647	6.59263664	4.947775521
5.173523876	1.551288441	0.779269285	11.73759379	6.715756924	8.862373283	4.836132185
6.063813015	1.328367452	0.418935329	5.911772232	7.06582565	7.931270874	6.065376589
3.95062273	1.541185214	0.391032629	7.806492232	5.083878475	6.432678467	4.120237916
2.966872771	1.403534245	0.234391313	6.521523941	3.593860909	4.330032175	3.286384044
4.913323728	1.348783571	0.42696695	7.413035212	5.691026682	6.684391065	4.768287228
7.014142752	1.256402066	0.452742742	5.836908793	7.560098649	8.708400333	6.39706645
3.964115132	1.289338166	0.21119081	5.035394953	4.318657258	5.189760393	4.029381704
5.704894034	1.284378044	0.386678095	6.0188116	6.110150975	7.124578245	4.950183563
4.550490019	1.228311136	0.319404581	6.336962019	5.130261831	6.365227603	4.520278541
3.938599264	1.669985863	0.744856023	14.59902519	4.971210227	5.950367143	4.830725779
4.65508885	1.349609536	0.401017863	7.429939329	5.348491327	6.659525853	4.845803633
3.924826964	1.738302316	0.597191324	12.0262017	4.878705556	5.658388977	4.328016511
4.974218262	1.330724815	0.364388835	6.700272197	5.656969092	6.325758097	5.344417611
4.630457035	1.298238227	0.353788169	6.971093683	5.147968671	7.044477286	4.771667866
5.101229188	1.372019749	0.488675111	8.221025113	6.029072699	7.248131624	4.899704884
6.828640702	1.303470636	0.569420308	7.176713443	7.550156736	9.744430181	6.575507183
4.754277065	1.293791664	0.353833463	6.491872152	5.366850272	5.957549047	4.62168871
3.960392519	1.527034392	0.533536482	10.76989197	5.04735845	6.904182986	4.192415968
5.932347412	1.233147318	0.340723282	5.257868474	6.164608877	6.982677082	5.146469717
3.759974758	1.79387704	0.755370944	14.71093681	4.888694835	6.488610311	3.811313765
3.624573223	1.765660344	0.790740991	15.6160276	5.62638179	7.601642114	4.179682653
4.917104895	1.374079842	0.37291233	6.357847462	5.844803238	6.607564773	4.790330745
4.973577654	1.529428005	0.594957012	9.711109579	5.898656804	7.755233297	5.385971192
8.008467092	1.393250569	0.719005679	6.874174126	10.40339082	11.24641431	8.458113778
4.558458417	1.446701496	0.437097124	8.287854677	4.892180324	5.871847329	4.269489554
3.125586873	1.99550434	0.74543959	15.48400558	4.992859651	5.356878421	4.736002611
3.592892515	2.646461711	1.957616991	37.3154881	4.877405027	9.684869952	2.734927455
5.470247857	1.414741214	0.555999163	8.7847543	6.230550879	7.751069974	5.201031327
6.730030697	1.258849519	0.431858507	5.534067746	7.744912429	9.188189902	6.355501207
4.717212712	1.765692302	0.794949582	11.0551127	6.874948482	7.853341759	5.204422775

4.02516166	1.813931875	0.87018004	16.64305345	5.331610826	10.82376107	4.314531745
3.703854645	1.483514083	0.407885676	8.434963406	4.725620063	5.558642504	4.310612912
5.049297729	1.486298387	0.542117384	9.614009668	5.626826561	7.324515146	4.62864629
4.549915368	1.53837488	0.452933958	8.457455609	5.351993372	6.091778546	4.442409714
4.530935215	1.588331917	0.559160566	9.954603288	5.365201596	7.394072005	3.998774258
1.494300264	4.037805463	1.088848703	25.0752682	4.71733517	6.878280485	3.495754899
8.189225511	1.330074539	0.760728939	8.149414426	8.608611821	10.31329637	7.035874718
4.395107356	1.515581289	0.464767304	8.991218424	5.334797664	5.896245242	4.774887778
5.148091571	1.319451002	0.339583235	5.899324081	5.453120339	6.588051565	4.214232418
6.196296483	1.549715789	0.805855609	9.465722762	8.342875858	10.76397511	5.812048718
5.732916385	1.354987527	0.555228807	8.338273625	6.493820631	8.461960952	4.332632114
3.549291091	2.150846126	1.073015817	17.62653132	6.4858037	9.760354967	5.036177279
2.685660214	3.094788309	1.298373251	22.68653008	6.210770473	10.64637688	4.334033365
6.933990996	1.184961128	0.301233592	4.037158338	7.192394054	9.124884005	5.749783059
5.936732742	1.573965998	0.695446767	8.117351566	8.696727403	9.848126641	7.670931885
5.826392775	1.331828894	0.396925048	5.608559185	6.881810394	7.550769338	5.933202503
4.725920813	1.574807295	0.540062705	8.233105793	6.697586711	7.713219341	4.291692094
7.121463545	1.301721571	0.447789864	5.777860236	7.377907442	8.017772736	5.1271666
4.602258567	1.570321028	0.564704601	9.73056307	6.005865336	6.849770542	5.118698709
2.931718111	2.433022509	0.788134469	16.07295072	4.93507573	5.374326049	4.623346972
5.52257731	1.212148902	0.30607266	4.994639867	5.96403843	7.142326898	5.334148753
5.375345992	1.300342074	0.329923177	5.462265793	5.9712391	6.78210896	5.293934555
0.600135121	13.24487306	1.930828025	50.83915784	4.920253112	9.237177575	3.397032276
4.375110078	1.626186743	0.519610828	9.23467736	5.605404089	6.464896263	4.269126525
5.121295446	1.946852337	0.844081014	9.961518112	8.480054147	9.625286934	7.281876468
5.251708792	1.653645952	0.822134096	10.76484488	7.529181794	9.815467843	3.793987943
4.783840611	1.627929849	0.702725974	10.43270447	6.902553295	7.821559361	4.826446694
7.342289376	1.193777858	0.335425168	4.222211092	7.583159118	9.051403615	6.824212123
4.572899592	2.013235343	1.245826877	22.85342347	5.096568448	7.019208611	4.558875404
5.578983128	1.246535945	0.307363615	4.87729179	6.174478215	6.774555909	5.563662805
6.125193901	1.41956231	0.620829272	8.014493482	7.303522772	7.949473763	6.360808041
5.075863959	1.434784148	0.485907271	7.739885863	6.088187486	7.201762619	4.961421071
6.901324507	1.345617198	0.528423117	6.23162258	8.414457619	8.920569292	7.556505817
4.633851652	2.047093251	1.218248703	17.38928427	7.564617825	9.658788742	4.636609098
3.72201309	3.161537578	1.520643597	24.64936839	6.448539185	10.06583744	5.648973338
6.252792761	1.28248752	0.405856493	5.711470387	6.813997683	7.750235743	5.222816394
4.837799672	1.61027234	0.648131015	9.855907368	6.450066959	7.028227272	5.626977335
5.333147583	1.477201419	0.563314753	9.595769502	5.780263964	6.485115078	5.364460206
5.285862255	1.255796011	0.361496566	6.099214188	5.742283697	6.559480314	5.172134647
4.65799339	1.864011463	0.795599419	10.656598	7.349125417	8.919272359	6.01386392
4.803929377	1.349713195	0.406997291	6.997710589	5.852881113	7.163155084	4.131933054
5.006841794	1.271535524	0.317301181	5.649023529	5.48462327	6.007937943	5.032469008
5.383698652	1.170470084	0.253850238	4.313401061	5.842726881	6.642476614	5.09760792
6.20526355	1.429815032	0.548051464	7.033643177	7.777808775	9.331192374	6.539034268
7.78528486	1.455606296	0.766257165	7.952950353	8.920656371	10.36328649	7.82502023
4.700660231	1.75776131	0.813282329	12.89717915	6.015369238	8.428603813	4.465411537
5.227399592	1.197446497	0.251530238	4.514410339	5.426903015	6.384914773	4.528100001

5.998013921	1.496840428	0.600085961	8.435815807	6.57088396	7.779328033	5.257949566
5.688066186	1.52912867	0.753917679	10.74121704	6.758879559	8.305245563	4.107920608
3.300886845	1.581002485	0.535413448	12.58651141	4.488771655	5.990261909	3.649311619
4.47356163	1.607577233	0.598743028	11.33392075	5.332176266	6.774406043	4.219758173
4.150677202	1.689820173	0.628919058	10.5444853	5.620238266	7.093842825	4.066361557
2.017580285	2.82546096	0.5618086	14.97621933	3.875714631	4.382386846	3.744424681
1.436553767	6.103126148	1.70053214	38.13253643	5.532242985	10.09265611	4.023460504
4.596836901	1.466581119	0.528780777	8.718533174	5.890662262	6.648023433	4.491877089
3.744141847	1.610339623	0.547250676	11.20451182	5.329224125	6.994844834	4.199116104
4.036764897	1.687153177	0.668843547	12.26082145	5.52053905	7.309704924	4.721684687
3.00371667	2.15040893	0.74552359	16.4979552	4.811115201	5.938638175	3.971659541
4.992129321	2.076287367	1.433666443	18.81475589	6.561388622	8.168300448	3.939893517
5.314102915	1.651734393	0.918715428	13.42197423	6.670727599	8.880937859	4.684636979
6.580283638	1.582863988	0.743162277	8.646259721	8.141065506	9.178363384	6.674250589
3.69329694	1.689477581	0.678686505	14.4180852	4.598354652	5.727917736	3.575757464
5.105256306	1.384093761	0.513236433	8.521035692	5.768509537	7.080168206	4.669946462
5.668143649	1.347013685	0.588286088	8.750827129	6.297752063	7.450881686	4.697245685
7.127747961	1.456587118	0.932260297	10.81795442	7.838707572	9.551399104	6.568729437
5.135731265	1.491872084	0.603141216	9.673070627	6.246068871	6.942573104	5.559083016
4.602280036	1.24944262	0.243427729	4.88429887	5.066940562	5.497526521	4.872084902
4.730938378	1.205695867	0.25077496	4.9093594	5.204655947	5.731630241	4.574939184
2.69751417	2.084803038	0.500413591	12.71406724	4.058329914	5.533038259	3.655778487
6.480731191	1.282789714	0.396763116	5.47660667	7.147172241	8.139381245	5.789109779
6.164373031	1.337140976	0.534937257	7.34967676	6.806200602	7.903102337	5.534056068
4.169497881	1.512729391	0.47585039	8.623133348	5.36101027	6.146826384	4.547441148
4.504369132	1.586627431	0.692884273	11.74503632	5.379555814	6.451330743	4.106523655
4.384266743	1.918473039	1.174957311	18.99972703	6.004351384	8.502254441	3.894673427
7.42174377	1.324404222	0.556163823	6.123240152	8.739390875	10.25724275	6.787275854
6.130979345	1.454447467	0.632132009	8.11665476	7.716662398	8.433230663	6.292464736
5.928804403	1.255884671	0.435733966	6.594961815	6.43066715	7.257947063	5.804938066
3.37551385	2.262507577	0.693953554	12.58842349	5.607642108	7.480280616	4.270988378
5.329809557	1.377798681	0.481127568	7.593998933	6.298546844	7.819908872	5.012015981
5.385618862	1.186251782	0.243029974	4.160080331	5.734613288	6.678677218	4.378203751
4.726388232	1.145595141	0.198730391	3.921249935	5.030885151	5.866933356	4.702574613
5.86687423	1.325082899	0.38374874	5.645551028	6.644004275	7.571757927	5.607451573
5.693363532	1.486812357	0.58256742	7.963124348	7.33100481	8.945873913	5.784860416
5.045302625	1.278694883	0.342132407	5.763316221	5.713537337	6.136049643	4.985870548
4.953756231	1.744424759	0.910688001	12.33028076	7.183213298	9.385695646	4.891047921
5.8148912	1.311277702	0.393891771	5.797313464	6.764348827	7.482616281	5.925819226
3.329719722	2.429331894	0.974405191	16.70517359	5.585617758	7.434864541	3.199534376
5.31402718	1.249472956	0.36959142	6.209056562	5.845997279	6.506953411	5.429190707
2.413236301	2.464512734	0.698207369	16.17393714	4.542561716	6.045025038	2.036838682
4.231816772	1.918005457	0.981082368	16.04307584	6.746572524	8.548187278	5.188780112
5.264958511	1.31876096	0.369027085	6.293876485	5.933118773	6.943801168	5.298941035
5.207528031	1.466708766	0.594485199	9.458770763	5.874998617	6.587739084	4.788353005
6.76843204	1.250655499	0.461829017	5.938522012	7.577005449	9.047749787	6.235475253
5.614903688	1.448605593	0.741778133	10.52738137	7.187746708	8.333122269	5.204387912

6.571840059	1.168645475	0.310320961	4.332134864	7.009721297	8.064240063	5.716742183
3.757401464	1.895639088	0.571640314	12.97292033	4.417365671	5.094066012	4.057284802
4.144364809	1.385797978	0.290094476	5.622896274	5.024675019	6.959246849	4.448167832
4.845769602	2.120558164	1.226781389	17.89969571	7.292001914	8.961733953	5.838100091
4.555105336	1.855464764	1.000382846	14.71129699	6.984223993	9.059198238	4.64695703
4.856568992	1.607927839	0.588612278	10.14868056	5.781345303	6.517057625	5.149027438
4.064548985	1.995829098	0.727122741	10.62951591	6.606331191	7.796407533	5.518541425
6.622139161	1.336773945	0.525545893	6.782456766	7.429705509	8.535132519	5.662426921
4.462769226	1.316818042	0.329867299	6.565192152	5.055619569	6.003948438	4.643720492
4.285877483	1.823670793	0.872346506	13.89237611	5.82895677	7.593031937	4.839791031
5.913428301	1.247058461	0.353564098	5.336540893	6.343736035	7.158277025	4.912268672
4.967443806	1.732250968	1.041863014	14.48800024	6.443045307	9.702976201	3.417785028
6.456113319	1.317148297	0.465193362	6.319951198	7.149193266	7.912303576	6.045820384
6.583280329	1.356341215	0.529146963	6.798808827	7.668526093	8.921590108	5.536178952
3.185411272	2.293235283	0.954638166	17.14574466	5.429258765	7.481134938	3.611499618
6.023469047	1.503855733	0.673493901	8.803127527	7.333581458	8.932300188	5.489107848
6.054452953	1.288475094	0.479956943	6.932331394	6.878216161	8.541756563	5.208075249
5.611721334	1.331918464	0.417648153	6.628211451	5.995531651	6.828531145	5.554351821
5.720189138	1.650897151	0.940225935	12.3242891	7.035164592	8.901147875	5.167639993
5.249447935	1.635607793	0.75748712	10.39629248	6.945509182	8.135604338	4.802233434
6.722043464	1.474712391	0.701319207	9.044924995	7.37327475	9.039467355	5.542721555
5.661835111	1.369915215	0.445049255	6.835046122	6.357506561	7.879161418	4.942767654
1.608700691	4.020347587	1.30179297	37.65512109	4.439250201	6.594239132	3.906900675
3.591869181	2.360938531	1.047521403	14.8616381	7.513126967	9.035449428	5.169647664
5.636585822	1.42847499	0.612841161	9.108718616	6.639888987	7.869454252	5.886770232
5.370719478	1.221244065	0.331696896	5.581438081	6.119442127	6.661598546	5.446665446
3.430829914	2.521097445	0.986970451	16.90302494	5.642527189	9.706096415	3.443867984
4.718479791	1.509785102	0.640947301	10.682161	5.745074154	7.200412441	4.367850874
4.266345665	1.362251141	0.486931538	9.954966527	5.411596073	8.362520188	5.039592897
2.236460062	3.020066272	0.794856682	16.7894229	4.853662297	6.463846661	4.203465465
4.432725254	1.20008772	0.220014068	4.497083648	4.844103038	5.296522324	4.202795934
5.251304203	1.52989709	0.595100812	8.17792412	7.247687798	8.703205524	4.83815698
3.277031398	2.443806306	1.561385223	29.82242097	6.507355962	10.09666559	4.922508842
3.452239666	1.188759571	0.158604421	4.352507901	3.788497488	4.007897528	3.413020531
6.456814821	1.266997271	0.415256408	5.511333081	7.507404035	9.07750051	5.89210307
4.362209572	1.599872216	0.596127808	10.83011176	5.560928697	6.813989605	4.255946021
2.985164381	1.940992567	0.551308866	13.22026994	4.653512535	5.36434297	4.271019012
4.941213881	1.397775266	0.43148233	7.438331109	5.530983632	6.0466368	5.021393725
2.831586155	1.424652045	0.260508526	7.350121902	3.664640715	4.224618517	3.393284946
4.533550441	1.466356694	0.419395658	6.975385753	6.019190898	7.401892268	5.282038214
5.69451972	1.414883838	0.630550579	8.917008993	6.809282049	7.752509216	4.76228198
6.184573986	1.55409205	0.91155596	11.36837719	7.669065996	9.397992706	5.845235248
3.882740898	1.756822679	0.633481129	11.85315743	6.17689566	8.922693966	4.743903825
4.221126569	1.498743004	0.533018439	10.11806842	5.272703823	6.149551542	4.412879717
2.123342987	4.131100417	1.075180212	22.50817607	5.460991963	12.47802041	4.579746052
5.801954354	1.505216325	0.599262439	7.496134788	8.28618148	9.499891026	6.988547752
5.206744841	1.433233551	0.663727472	10.58747218	6.493281953	8.225143966	4.262978575

4.477193563	1.50557655	0.500316282	8.455768497	5.936530275	7.201424026	4.473478923
2.77992374	1.821658413	0.47410353	12.92633999	3.548235734	3.918644827	3.099523098
3.48723688	1.705226723	0.573843172	12.34382036	5.036069176	5.916545171	4.665533068
4.700261936	1.725445408	0.787998322	13.13446341	6.035197327	7.97267482	4.599675512
4.612470558	1.520586486	0.495769406	7.848380637	6.296472762	7.260385683	5.339153045
6.839638034	1.385319117	0.576355091	6.997704192	8.065789614	9.725392454	5.891661555
5.181889068	1.338084433	0.354486632	5.483619908	6.438965169	7.659938274	5.464172403
5.744567774	1.249414845	0.391530527	5.982690991	6.32129569	7.488591759	4.89597744
4.792174759	1.399375611	0.322479631	5.44328912	6.003215773	6.686077718	5.366194581
5.452693677	1.435663403	0.549299581	8.451124883	6.270204865	7.348747426	5.762734288
4.62457216	1.558449423	0.473666464	8.257498997	5.67338435	6.659774212	4.81538796
3.503749657	2.387813484	0.896952668	14.01691758	6.362004054	8.429789613	4.581988856
3.222571684	2.255959589	0.694408976	15.04272429	4.553582906	5.113212902	4.143869171
3.834759661	1.659341685	0.719598623	14.74461364	5.26320559	6.248852296	4.820604196
3.898001171	1.90717865	0.602226909	10.02990971	5.90439689	7.407718616	4.15603652
4.554883463	1.584322592	0.527778424	9.981594274	5.565887605	6.483809005	4.922307922
5.848336173	1.351190821	0.445480776	6.399423284	6.96819242	8.058117734	5.898325792
5.533597409	1.324100364	0.469723718	7.210051162	6.486587508	8.220638556	4.465978032
5.573144887	1.641009921	0.751549027	10.46538179	6.646467358	8.041772931	4.525854554
6.416559593	1.211562587	0.411764312	5.729323338	7.270002876	8.404982306	5.650528613
5.092337769	1.448984644	0.527101781	8.346722536	6.301314248	7.079790841	5.813338138
3.581849867	2.386224495	1.068169222	19.91320271	5.533822762	8.670238661	4.660151495
5.625922757	1.319403932	0.429452496	6.541826601	6.617925269	7.672997316	5.410322944
2.80282819	3.230801048	1.250383768	17.74576608	7.154775939	9.770513955	4.893072128
2.628546929	1.550023142	0.378402116	10.34379881	3.875620865	4.528168124	3.549739256
4.650427075	1.53008111	0.690694583	11.95829184	6.083434915	7.839092523	4.2631939
3.471722534	2.200864158	0.849882409	15.90847694	5.373947851	6.951225368	4.221625221
7.176511289	1.190749986	0.293802146	3.766273244	7.827396906	10.04445745	6.59685559
4.388883492	1.850096093	0.878647065	16.38698197	5.604564712	10.38526764	4.995321832
4.77481055	1.515859852	0.531042643	9.536081315	5.556560435	7.077041246	4.687185175
5.659159077	1.373471924	0.453184733	7.1451196	6.364248276	6.929653672	5.726808125
4.086779743	1.313320887	0.261634929	5.715377395	4.591489026	5.964296974	4.353910614
4.735947655	1.354782605	0.404210312	7.217690328	5.706395723	6.411092002	4.373530507
4.644285858	1.458573341	0.533833251	8.95617742	6.19255903	8.611134619	4.081399514
5.701030783	1.500395308	0.71092018	9.806331721	7.204007023	8.507138709	3.668361284
6.568538215	1.224178901	0.267453655	3.750804032	7.084363517	7.448405211	6.672334607
4.660405814	1.549284607	0.707408719	12.29560784	6.232845983	7.501490785	5.263300576
6.986111788	1.283805548	0.481106088	6.355473375	7.094230631	8.119275701	5.657478656
3.515696319	2.506916289	0.846552593	15.76733476	5.526599925	8.347948128	4.683920704
4.967044535	2.026822521	1.23633973	16.32852753	6.7911617	9.106822007	4.389254088
6.564383433	1.295510201	0.517230595	6.63093861	7.808327321	8.470356244	6.453415015
7.419749705	1.384450349	0.558809767	5.982567514	9.423623916	10.57193136	8.487018743
4.31456064	2.54236518	1.410580197	17.18363427	8.670739383	10.94391397	6.416155377
5.348041286	1.434602544	0.500895611	7.245476352	6.885753807	7.964019314	5.467091726
3.405202144	2.383129763	1.276068534	21.62908631	6.355131982	8.622291641	3.44076341
6.177896251	1.334992576	0.416856696	5.742538693	6.957939972	7.567522205	5.964682423
3.694058965	1.585255214	0.640808734	14.90738	4.709679281	7.201362258	3.895071438

5.331975757	1.421757982	0.63870309	10.13724509	6.026253243	6.939797257	4.937623627
4.522236428	2.631323169	1.931181455	24.86388975	7.581118882	12.12872083	4.241803318
4.398040263	2.205232603	1.136359808	15.98116857	7.497656715	9.889794916	4.306177585
6.542552542	1.384323335	0.514849395	6.473571488	7.773457619	9.068440382	6.100587912
3.825014792	1.191066088	0.161782029	3.778181433	4.379894071	4.986745254	4.080506541
8.007526669	1.257872593	0.566757791	6.119605342	9.498924967	11.11577888	8.555146595
5.610091483	1.309515725	0.380834329	5.862009548	6.458575299	7.778788149	4.237957466
5.517395711	1.254561944	0.268745897	4.297680249	6.050274615	7.085009107	4.302429435
7.388269541	1.220776365	0.433747127	5.29549337	7.807944317	8.797612043	6.004302771
5.331254164	1.501283385	0.644727874	8.944563597	7.444890713	8.816114856	5.296811304
2.528718623	2.522505879	1.24617854	28.19236644	6.013546215	8.386051712	5.12628407
4.869249115	1.713283263	0.68384541	10.43755652	6.718438365	8.848916359	5.057310277
2.045090871	3.19955024	1.237623341	29.24450867	5.450399058	10.48171271	3.660033871
5.973878205	1.462372292	0.747541183	10.43280349	6.697210487	8.229028305	4.77900992
5.768933357	1.38835189	0.47595803	6.962300113	6.858341107	7.529315498	6.210700652
4.249858235	1.584613985	0.553724158	10.65978833	5.08525551	6.044147618	3.901300535
5.119684027	1.322304709	0.410831363	6.993462501	5.939753571	6.792784738	4.594406398
7.488720753	1.462079506	0.628759192	6.675080266	9.356153317	11.00558187	7.430726441
5.227230872	1.613905852	0.996299311	14.71654131	7.326467147	10.42247836	5.638232454
5.181637392	1.576148023	0.597071191	8.141779634	7.25886731	9.01251785	5.412893643
4.368041003	1.772582775	0.811128403	14.24928342	5.412953735	7.549755323	4.442303611
5.198424068	1.253970062	0.314350057	5.272688989	6.245837354	7.255390797	4.831954988
6.953765262	1.6450554	1.051400559	11.83579414	8.219896046	9.757511924	5.427821058
3.342653229	2.31773188	0.834807225	20.75199822	3.935590529	4.472299542	3.655487777
5.61334647	1.241575504	0.322515516	5.182119753	5.945570979	7.189321982	4.920957406
6.204887207	1.408252644	0.679839528	9.210627145	6.690299586	7.762051654	5.484741716
5.851767888	1.242388778	0.309916705	4.819391279	6.440061075	7.003474138	5.796461516
6.348162964	1.368175702	0.538532041	7.173103037	7.259331562	8.451166272	5.617820161
3.06112146	3.541397443	2.09627468	33.75824585	5.587784134	11.70095372	3.068788898
5.269787942	1.249313299	0.35288687	5.911874452	5.877047236	6.795834181	4.301478432
6.131141666	1.271285201	0.365606252	5.270796362	6.55190166	7.479073501	5.435175133
7.345666393	1.149852446	0.28660205	3.638602992	7.983435556	9.727996993	6.646635308
4.238761568	1.967419065	0.878612084	15.0018371	5.723200751	8.617961895	4.021633069
7.150903785	1.347218139	0.534370501	6.191772305	8.538706759	10.33660015	5.849313212
3.609514804	1.960473514	0.803663549	14.90663907	5.392497008	6.332017052	4.926502661
1.843278264	5.973870169	2.568967174	44.09247337	6.236998762	10.88727532	3.920204729
5.609798973	1.544911852	0.757986368	10.48548356	6.685371099	7.826388617	5.729217016
5.43664878	1.325996837	0.459970277	7.245397041	6.242199295	7.127024169	5.4337777
5.548844311	1.403911567	0.553224027	7.842354082	7.152680401	7.947035346	5.027847234
5.498612498	1.303920975	0.405182295	6.441702296	6.291917645	7.704008822	5.012508554
5.884449941	1.329002937	0.473654146	7.230141032	6.409386928	7.230770781	5.044809071
5.839689694	1.55397242	0.661860522	7.932586636	8.423095775	9.851774914	6.910933926
6.49131435	1.308224432	0.540530398	7.37012036	7.103552161	8.919579348	5.614877174
5.113424344	1.693540618	0.819762075	11.53438541	7.818362608	9.400655721	6.225860107
4.224274827	1.405683082	0.32064222	6.472087752	5.057572742	5.486141835	4.805432774
4.63437417	1.73464046	0.744009642	11.021579	6.915983847	9.554765183	5.397586561
5.541105598	1.375615567	0.503488831	7.556576696	6.958425231	8.140801127	4.595719052

5.178628982	1.538284914	0.693139254	10.36141171	6.643195451	8.071611111	4.92127931
4.957016633	1.571201606	0.648330543	9.825845108	6.846945195	8.194047626	4.937731374
4.412499841	1.427100642	0.597799371	11.56103287	5.130043358	6.236324962	4.399716796
7.021078278	1.210330327	0.350000913	4.474769537	7.719729376	9.288459073	5.506086704
5.056635013	1.362266327	0.486126129	8.365668068	5.981216562	7.589182696	5.14724465
3.126109287	2.499011372	0.879796195	14.15503278	6.284321531	7.694430833	4.388498417
3.684266594	1.993706826	1.036179898	22.9420979	4.714449936	10.52305633	3.877330055
4.468746867	1.937440607	1.041939645	16.27532736	6.13187277	8.774930656	3.590983408
5.449422631	1.862047327	1.330934726	17.42911269	7.00028826	10.21050349	4.416203712
4.745784625	1.462214021	0.435817547	7.857255022	5.29171962	6.286718947	4.522945928
5.122241314	1.295734849	0.368477425	6.457366318	5.776449344	6.496821168	5.036379867
7.710849191	1.281190265	0.501958178	5.531300048	9.153764359	10.45792977	8.170593776
6.51900795	1.41247209	0.535812313	6.847837588	7.309262877	9.249537684	5.07668322
6.699415995	1.195034336	0.298595193	4.036711777	7.392471317	8.396011037	6.316442976
6.924870325	1.381645274	0.569002614	6.629913291	8.688848379	10.06302536	7.175242791
3.30134762	1.416729576	0.228367533	6.129328423	3.811611766	4.335559595	3.627466733
3.830639233	1.63672001	0.580562255	10.55554617	5.817483398	6.440632822	5.376953627
3.289543447	3.603648519	1.5822247	37.87985553	3.987688454	12.40731411	3.411833478
3.946371947	1.336481466	0.274173228	5.815135866	4.835771817	5.116540824	4.641973613
6.238249036	1.301851377	0.507319274	6.884027394	7.124672666	8.779237587	5.687834903
4.250503826	1.174444262	0.155294214	3.372097042	4.589484046	4.780189949	4.306705241
3.203536108	1.858028337	0.566093626	12.71317271	4.836797558	7.028022103	3.913460683
5.53928089	1.488612871	0.684874369	9.239074413	7.80909027	9.304915049	6.824294312
6.294101315	1.371090496	0.505549475	6.943335844	7.229783937	9.523619528	5.069433859
5.705794336	1.229436126	0.364713263	5.776939174	6.268839853	7.391727947	5.422920187
4.604444585	1.610985296	0.700497467	11.05247355	5.927112354	7.270587776	3.666550083
4.736009989	1.715251582	0.883314409	14.39270243	5.713778127	7.057374438	4.614510936
4.922481402	2.183826052	1.427524291	18.04429252	7.233869869	10.02747736	3.502041569
2.571939955	1.762265775	0.498520094	14.24599375	4.17151417	4.6649058	4.022562692
3.582434299	1.907840969	0.842945403	16.04629591	5.268880192	6.892445407	3.811722231
6.390075757	1.342018571	0.449913268	5.626855518	7.85472867	8.924128592	6.228806458
4.971133127	1.85211261	0.837657587	10.27708559	8.017779392	8.751551187	6.601048086
5.614750613	1.305355859	0.369341071	5.376750002	6.77516297	7.268287085	5.704176338
6.146166824	1.172231962	0.315414571	4.783057937	6.529888088	7.23794933	5.5475659
5.350100702	1.374248604	0.467112669	6.910207273	6.630821468	7.190106113	5.48755168
4.906206897	1.30005533	0.318929216	5.427182509	5.972421994	6.528535654	5.457161615
5.725373035	1.254349762	0.371244897	5.649876434	6.727589075	7.340514806	5.491469933
3.43589607	1.372453348	0.267346931	7.038095663	3.842854687	4.464698807	3.665081723
4.840519065	1.631674775	0.718967747	11.97266445	5.826185538	7.322771876	4.183297074
5.621456133	1.541986222	0.6433308	8.460046597	7.691795121	9.892122988	5.692250045
3.354949253	1.336522133	0.20011727	5.236714046	3.88298442	4.484130789	3.514438842
7.598694175	1.163983892	0.342495364	4.121010393	8.138676825	9.195055826	6.673956095
5.212579822	1.70742522	1.037047748	14.93781452	6.904975192	9.269608273	3.829786284
5.605487328	1.313434867	0.455432747	7.104026636	6.321727923	7.028244113	5.446388452
4.2006622	1.433331965	0.36828636	7.76210375	4.714443617	5.296920022	4.126655881
3.875576924	2.134973248	0.922066382	13.23950489	6.427722818	7.44691074	5.093204606
3.277835149	2.307957278	0.81273036	17.90076558	4.900556335	7.629563878	3.577232768

5.14411127	1.510046138	0.73290864	11.65457107	6.179292255	8.19898111	4.369026809
3.014729906	2.138847823	0.9791252	22.3098073	5.489773217	9.124497177	4.625063468
6.966775976	1.187714062	0.351123393	4.528903728	7.681076503	9.109124191	5.22113416
6.046374959	1.586381097	0.861905712	10.66618624	7.692471374	9.013912635	6.052054527
2.882914892	2.084954448	0.84348474	20.25658044	4.439705336	5.72127015	4.186055234
4.99230531	1.632318804	0.827506577	13.11599795	6.188870975	7.883238341	4.706435362
3.644369787	2.154911519	1.187473337	22.09039975	5.957967167	7.152715022	5.452407514
5.484675703	1.696423852	0.700252179	8.400468546	8.460076146	9.608533862	6.802408599
5.247849377	1.457729848	0.502442068	7.307295343	7.00594757	7.896823414	6.384084733
5.565175689	1.248687827	0.352812465	5.537927972	6.242828998	7.469456596	4.351335285
3.951912441	2.174569434	1.040674793	14.48977608	7.229927765	9.720372621	4.482902801
3.927658876	1.866138236	0.850583143	15.47818401	5.681176224	7.362370062	4.602659848
5.163476479	1.800161328	1.294633318	17.31159478	6.062419307	8.322592118	3.050747034
4.912011188	1.62114879	0.686058016	9.956360269	6.820602153	8.180847351	5.431923275
4.057555917	1.26383623	0.189856144	4.392358682	4.401719681	5.521581707	4.036178041
5.010524205	1.64508147	0.658626168	9.134903781	7.231662594	9.216091346	5.177214762
5.870756486	1.594309687	0.90107087	10.8888881	7.884002816	8.830453741	6.59275277
5.414337052	1.456065565	0.578126286	8.575322566	7.267853628	9.279397313	6.235122508
2.982288248	2.019612115	0.778827762	19.59716625	5.107164705	7.740654151	4.807328557
4.551396995	1.699094244	0.8057594	11.71301953	6.916161262	7.417731689	6.180904546
5.726105743	1.48758317	0.582536464	7.748711392	7.307578245	8.092795753	5.287285165
4.010075553	1.182064309	0.190598322	4.418995596	4.561103819	4.917977283	4.385109709
6.548509822	1.372782484	0.531817876	6.533841365	7.925406066	8.985546755	6.620539955
4.13432441	1.81463583	0.627014221	8.983958884	7.136351265	8.84753132	4.80899877
6.982430092	1.468694494	0.625777821	7.714297454	7.945923235	9.335021178	6.55682227
3.897170432	1.329114305	0.231953495	5.289733567	4.570632951	5.125115634	4.457487995
5.830014255	1.223027203	0.307392515	4.864293681	6.257590312	7.146714102	4.540066038
6.777184488	1.157273203	0.264148745	3.689978425	6.959894603	8.006258564	6.344678047
5.166828904	1.340511978	0.392371323	6.970614378	5.662387451	6.522176724	4.677539772
5.153816398	1.621189541	0.834309037	12.48362939	6.411619802	8.42559317	4.83327306
5.912463793	1.282868043	0.43327378	6.383322789	6.655099997	7.797174596	5.695830699
4.614774681	1.613932348	0.685598129	11.25686617	6.327421527	8.712306674	3.176911039
5.704657379	1.374641177	0.608576285	9.234966221	5.986894172	7.286386107	3.893400116
3.661306107	2.135715868	0.844597333	13.89833593	6.366704998	7.207264442	5.182779408
3.396895854	2.602141815	1.109342203	16.7840267	7.033229863	8.855897735	4.537124155
5.215824705	1.534413108	0.585837539	8.562282952	6.934748598	8.286782291	5.488200112
6.305962081	1.342057277	0.54835635	7.861522714	6.992531896	8.006705533	5.565727554
2.894378049	2.238689621	0.815062288	17.94250221	4.947206234	7.064660671	4.54332712
2.715115648	1.500646481	0.200967119	6.122990903	3.392290391	4.262323226	3.183738346
5.221390301	1.44797842	0.554072899	8.72973916	6.209404622	8.047042738	5.160829474
4.56329661	1.845857863	0.954407353	14.5701232	6.131143555	7.758901661	3.972285648
5.299514937	1.591471236	0.649148574	8.762386806	7.061832047	8.54641425	5.721426734
6.239258294	1.391587226	0.527788738	6.725251297	7.784000427	9.29960395	6.984884633
3.311798143	2.264693399	0.999511176	19.91644345	5.456915296	8.87690509	4.518902096
3.472879568	1.378534303	0.249495447	6.140557743	4.150849638	5.068316746	3.889182959
4.042668282	1.216838886	0.203568644	4.714598051	4.485873906	5.685270893	4.078496822
4.946037048	1.955054354	1.47324564	18.92833849	8.500815219	11.056217	4.848190408

5.242869373	1.300734808	0.354033535	5.743406797	6.190217053	6.816159957	5.134057192
4.849423249	1.865652967	0.942889816	12.19926217	7.5089673	8.74121026	5.32584733
1.990034995	3.185384499	0.843131501	19.5070628	4.560824825	5.502658341	4.373721487
6.620592485	1.406985821	0.664011368	8.124330812	8.176886553	11.57295006	4.99313043
3.191894256	2.051591019	0.546754154	12.11122997	4.720961198	6.757259771	4.383152988
7.306203261	1.423538971	0.615679094	6.831646026	9.071574647	10.84860867	6.792300215
4.525382681	1.695623231	0.913491808	15.69664705	6.388687412	9.796607454	4.53216192
2.988196904	1.886557247	0.601222536	15.92912379	3.812385999	5.692559916	3.329134206
4.858737394	1.554588547	0.648947168	10.03881566	6.49665316	7.531744683	5.863611721
3.489600079	2.210560514	1.174539544	22.64353808	5.25740081	9.539899165	4.865983968
4.755773225	1.62308689	0.639748031	10.01277225	6.27081748	8.676157067	4.888845372
4.60685528	1.633768729	0.687290354	11.39112744	5.776247666	6.799251679	4.639202996
4.7425149	1.731106614	0.793332499	12.11644601	5.852898119	7.327148183	4.044424429
3.302607416	2.783644084	1.145081099	15.31458508	8.093461443	10.40718963	6.201002109
5.544458983	1.671762977	0.838167738	11.3899152	7.180498438	8.420881212	5.391945905
5.577927977	1.668423262	0.911402506	11.57777537	7.353780147	8.802289563	4.634453091
3.972685737	1.639941331	0.709104655	14.45072635	5.302753952	7.153171956	3.993382352
1.33164814	5.240295878	1.308129025	30.09429032	5.289990915	9.749557894	3.454020759
6.682888355	1.771493633	1.425278159	15.67500695	8.18156598	10.30634165	5.278627319
5.317005067	1.389950118	0.520824395	7.910820732	6.212029837	8.138719529	4.64668128
5.559038687	1.536725205	0.764894822	10.61616138	7.441834487	8.987161739	5.47923812
8.185077005	1.355833123	0.813478676	8.360919874	10.14499797	12.05119613	6.843018283
4.574664247	2.016390803	1.019277513	14.84895491	6.372510864	8.401351728	5.140636413
8.64063838	1.27948284	0.663607738	6.786945649	9.832095775	11.62625594	8.735168938
1.700801692	5.379467238	1.789645352	40.80860111	5.008538116	6.770128515	3.772956817
4.189397432	1.781018022	0.705096757	12.69890764	5.599957104	6.88740505	4.724858929
5.956542059	1.441215624	0.605450346	8.275386559	7.386138642	9.269095052	6.012572383
8.015746905	1.279817354	0.456574623	4.927524881	9.139420061	9.805370128	7.653571529
7.687975906	1.269953098	0.579368123	6.528483158	8.437419058	9.48382261	7.138899652
6.209219443	1.279286441	0.396191733	5.609921648	6.929516504	7.756714115	6.119153207
4.964543055	1.282506298	0.358582161	6.383949417	5.335849942	6.363012709	4.245470498
6.052943937	1.530096091	0.675778858	8.043179779	8.140547723	9.366739744	6.806926928
5.706737802	1.225358799	0.340250132	5.356468289	6.251205091	7.48127655	5.180142188
6.76409225	1.537508812	0.738021901	7.791985273	9.557145249	11.42080031	7.598736435
5.62262072	1.137027513	0.2022374	3.332730836	6.002795634	6.591300072	4.885573539
5.161682445	1.376872076	0.489508158	8.320735561	5.926452389	6.548847032	5.325567546
5.078188667	1.875330494	0.886891095	11.66697377	7.743515871	9.222350214	6.442081911
6.917877514	1.528356341	1.091107384	12.64803042	9.5788468	11.7692634	7.316412009
4.23930191	1.668388982	0.682868654	13.19048493	5.372505749	7.491986579	4.30444423
5.004597745	1.391805687	0.521731471	8.558178828	6.192835441	6.974278541	5.456873853
5.276424005	1.61841995	0.777716239	10.85850148	6.96298894	8.729731821	5.335252005
4.908269221	1.316033133	0.304164683	5.215964149	5.692749738	6.292202664	4.735310101
6.409513297	1.309076358	0.515404604	7.183488305	6.898605923	7.528535515	5.240212346
3.761438923	1.623145482	0.523082112	10.50659069	4.88552098	5.852075198	4.554208639
5.601628894	1.305312036	0.419965345	6.523615934	6.451134729	8.121435252	5.392376389
4.454311974	1.890248876	1.055832516	14.9816846	7.001638053	8.520155308	5.990127017
5.998053539	1.355730322	0.615117455	9.033951414	6.96324427	8.215759097	5.255049229

6.744992193	1.254877666	0.467684388	6.216802845	7.495506536	8.752289122	6.75653864
2.391804577	4.86521827	2.176353896	38.61864479	7.357414777	12.02979748	3.934784904
4.728818157	1.311371774	0.316245992	5.89958622	5.423283711	6.41183453	4.936898897
4.884166306	1.501949137	0.545415865	9.623166826	5.612347058	6.443383636	4.923346792
3.888691957	1.835048942	0.651108621	14.12726648	5.269209372	8.450768923	4.373689658
5.929207573	1.463299797	0.547914431	7.320907547	7.376413764	9.058272208	6.109073702
5.384840042	1.576856736	0.975878774	13.71708144	6.711788847	10.06728798	3.206919383
4.630619074	1.526570089	0.560613296	9.438700808	6.096566865	7.201652095	5.30552233
5.416945159	1.579768955	0.673205041	9.277756389	7.065839296	7.909248504	5.796438787
2.499854206	3.166769955	1.411391701	36.34261696	5.158491425	6.992934032	4.421630635
5.532159553	1.451213636	0.562765076	8.302590642	6.766215708	8.748835763	4.338583686
5.251805135	1.242031875	0.321163039	5.36191956	5.525640112	7.233760113	3.58105862
6.163009752	1.559524934	0.777182044	8.972636733	8.744792595	9.714540197	7.774986296
5.626459831	1.263837194	0.433246081	6.606570889	6.296151181	7.06885937	4.901147222
6.542865999	1.240637845	0.402888191	5.465832331	7.28775729	9.217323482	5.652323886
8.019660973	1.138615537	0.28709598	3.359911935	8.467844817	8.875733374	7.7218808
4.258038081	1.752220531	0.757394474	12.09388991	6.374295971	8.289741816	4.158633129
6.272930428	1.377293347	0.481580183	6.462209806	7.298261402	8.761324174	4.286545641
6.220371769	1.318841404	0.494418261	6.921672934	7.13477892	8.323436918	5.633579041
3.544935518	1.33580013	0.205518302	5.142635916	3.999857685	4.3540457	3.815986736
7.066434208	1.301674286	0.491675048	6.153514097	7.733875186	9.383985506	5.094421177
5.384632669	1.660640527	0.756048032	9.736042924	7.642021187	8.991495833	6.423610114
5.576068923	1.414416105	0.641243564	9.212910771	7.141656341	8.760676505	5.047574904
3.581609748	1.36651387	0.277210626	6.244896276	4.570594361	5.215227855	4.337568881
4.671005913	1.690303649	0.800346245	12.75058204	6.299256295	7.83258321	4.5837977
7.536234682	1.372224793	0.594362091	6.240855564	9.838146304	11.04042073	8.310017342
4.409776355	1.560523791	0.536331731	8.796823479	6.137245221	7.017409849	4.732166719
5.320799455	1.626328055	0.769523419	10.24915066	7.355095959	8.235747382	5.372903875
6.531372799	1.475570427	0.726294134	9.259837437	7.642436467	8.647403422	6.688776848
6.328001523	1.309699304	0.514586431	6.700563327	7.494057801	8.823229765	5.585353898
7.035024788	1.406711911	0.570461341	6.80988244	8.487331456	10.23933808	7.029171877
6.090800326	1.456422382	0.707575969	9.677583845	6.888199468	8.214965678	3.585795702
4.144211289	1.470911113	0.384050045	7.103886347	5.40470039	6.261447096	4.766951127
5.488202844	1.775040601	0.748595657	10.08668815	7.002162221	9.369250755	5.70735488
5.094690388	1.507322477	0.595019155	8.90180733	7.182674651	8.429185946	5.390446659
5.704150113	1.243160285	0.326370036	5.24770834	5.826164535	7.128727181	4.924093308
3.972208985	1.705011724	0.623037804	11.14201887	5.75947648	6.847695701	5.305627589
4.734740554	1.822307725	0.805522013	13.19060604	6.125214828	7.942018643	5.260734473
1.161764458	5.977899064	1.611715771	49.13755123	4.860300814	7.201620304	3.633565901
5.932802453	1.177747752	0.264165064	4.037360948	6.34667292	7.025240941	5.463653289
3.145638702	2.622728265	1.026502891	19.35563104	5.453399594	7.127131657	4.590769149
5.178825072	1.559684238	0.700937375	10.66338953	6.446885414	7.855887891	3.889310367
6.483246556	1.441671111	0.635928264	7.966435369	7.769255693	9.183602575	6.437703742
4.561922014	1.580905102	0.571882112	9.559329226	5.642749916	6.426777838	4.837899993
5.814564945	1.422668541	0.408973939	6.26934311	6.389809221	6.707370852	5.953564984
6.07815436	1.423831023	0.67738731	9.230678521	6.986657556	8.020412376	5.802052765
6.251674319	1.622269999	0.871028373	10.19411787	8.185022416	10.3549545	5.444512373

3.713864733	2.194124165	0.75113527	11.34623989	6.536874464	7.395931792	5.256952893
5.265746476	1.625150578	0.862951758	12.2187638	6.252500321	7.680100533	4.555503982
6.078950607	1.193121112	0.307997875	4.646023916	6.623063174	7.419661927	5.484952551
5.496275628	1.474682156	0.608986458	8.87914144	6.957891705	7.701441635	5.718570367
3.709802229	2.260603831	1.01970394	18.54014088	5.67117105	7.397049019	4.723360112
1.338790006	5.688056273	1.949383562	45.92626861	5.977062463	13.92166222	4.744257683
3.811627907	1.811628337	0.707866518	13.8626268	5.639390777	8.576261701	5.045065108
5.493640712	1.27454361	0.42212717	6.753912133	6.498411195	7.051378207	6.047655197
5.473585616	1.308263061	0.289709743	4.399316634	6.585645239	7.213377698	6.039585212
9.006817572	1.146223726	0.326127604	3.351610994	9.599363716	10.89231128	7.511828745
5.293400408	1.780756624	0.885024718	10.64816793	8.346176112	9.294009646	7.144071069
2.961289295	2.321328726	0.943916163	17.82503195	6.036571896	7.753812945	4.623906324
2.960682595	3.38818901	1.62708662	19.24785058	9.124060925	11.12751801	7.157702086
7.786725894	1.369570096	0.669654219	7.124880355	9.397006432	11.028635	7.776982298
2.271760225	4.003718915	2.317681593	42.43330433	4.783925793	11.05841836	2.395999454
5.202596566	1.563326467	0.791711277	11.89576159	6.596672131	7.772958743	5.626218803
6.348026452	1.306616508	0.525132179	7.256662953	7.056787755	9.982815838	4.577970257
4.686472765	1.264907247	0.283479102	5.400611022	5.259739753	6.971249014	4.669962175
5.697373256	1.447338683	0.558651493	7.625724473	6.915383353	8.172726832	5.078253378
6.200280875	1.410108968	0.476918478	6.03343443	7.684087295	9.892877664	6.634863329
5.974231204	1.635457165	0.888843968	11.96726017	7.087415907	8.756128982	4.293683425
2.751405121	2.213064555	0.827368573	23.47786795	3.717389459	9.327284298	3.042755124
0.927704501	7.288943559	2.009463939	60.45357076	5.226281892	14.29164961	3.87897862
6.382917865	1.259011974	0.392564739	5.572440345	6.898740335	7.797629955	6.122734581
4.024836999	1.308848234	0.25922044	5.872957112	4.324912234	4.705269638	4.106329638
3.351407617	1.759766448	0.605508705	12.95198985	4.716128707	5.99205904	4.463338787
5.439569719	1.527722574	0.686656302	10.06414995	6.770483927	8.366804268	4.289372449
6.332262933	1.334503871	0.424221618	5.573259102	7.667305147	8.830113441	6.186323008
6.670123065	1.420039939	0.52935832	6.122380307	8.660029565	9.687145264	7.41672089
5.640511489	1.512682479	0.563669869	7.286002063	7.824347989	8.408413881	7.328875992
6.257487555	1.511395817	0.766482306	8.914767171	8.721166769	10.1835127	6.689179623
8.929392193	1.412246466	0.78545419	6.892467974	11.07047965	12.75286328	9.073487867
3.388628526	2.365483995	1.045462161	22.43859444	5.392699353	10.95562307	4.726034082
4.654940957	1.71142332	0.569698156	8.904470483	6.01668836	6.835340517	4.544318588
4.831000544	1.373440902	0.438479478	8.106297689	5.512781444	6.344389588	4.678231873
6.967808171	1.495367247	1.066553923	12.09664633	9.443060316	11.76668422	6.358033082
2.59597016	1.823725455	0.362673905	8.703904419	4.153098232	4.509439926	3.973643992
6.947102338	1.333415558	0.529672704	6.522143632	8.030113774	9.605704206	6.926415743
2.454021801	2.394408442	0.727217928	16.44330593	4.517820292	5.217937661	4.368159557
5.791031128	1.366250485	0.566472851	8.471762379	6.814154875	8.242359094	5.190900697
7.469971207	1.337250768	0.597346639	6.558213633	9.007930968	9.926547613	7.293257009
6.031524499	1.497580037	0.582498428	7.15735486	8.100350789	9.897605011	5.874930494
3.961896169	2.424501792	1.318460722	19.27981333	7.196683991	9.647237188	5.107278728
5.508596712	1.386444983	0.475044429	7.328241193	6.427802079	7.716610263	4.561989753
7.743834325	1.193310924	0.378562475	4.555035787	8.097905485	9.461935886	6.75730861
4.393364299	1.715203583	0.605097105	9.727886696	6.449473782	7.293416529	5.434727943
5.289765974	1.181356778	0.243146772	4.243139436	5.69044122	6.574990029	4.482378124

5.697967232	1.387780798	0.64096446	9.516558229	6.679310623	8.072673224	4.155174794
5.697277204	1.636963934	0.990034276	13.50588419	7.275930983	10.01420524	3.08450341
5.135946658	1.463157043	0.544263641	9.10244316	5.98989703	7.079850495	4.939961724
4.889291344	1.651026851	0.659047014	9.563323524	6.800200974	8.060754328	5.096876129
5.739706044	1.278201815	0.410729299	6.256011146	6.888531899	7.67627877	6.086700013
6.379776664	1.306995697	0.516462284	6.82121824	7.396144295	8.804675693	5.708553443
4.572125476	1.512168252	0.509438102	8.431310203	6.190897412	7.274295022	5.075662898
5.075575924	1.673936756	0.744414293	11.07170592	6.769595441	7.775409164	5.783566839
5.988817614	1.349103946	0.554354569	7.679955003	7.444532334	8.642559816	6.68317686
8.878583982	1.449759796	0.988812113	9.167301892	9.961327643	11.62907164	7.940870363
2.984832667	2.48644623	1.077070997	26.38693672	4.891942483	5.653155459	4.393018855
2.337737617	3.842806792	1.656616561	27.26574872	6.728671034	8.715348118	4.989880862
4.027674361	1.286327952	0.252647398	5.639367423	4.763075196	6.061195485	4.252483145
3.980811669	1.707028318	0.654847819	11.87212426	5.904236299	7.291483305	3.970888536
2.898719804	2.635073805	1.08430596	22.28958283	5.509072079	7.91619425	4.236668939
3.223660768	2.428342982	1.00963631	22.16955204	4.53486801	7.809605794	4.335905103
5.812044391	1.601214792	0.822184278	10.44640577	7.449977914	9.496089858	5.154127901
5.678910899	1.281060891	0.329582889	4.99021766	6.532932206	7.083234071	5.797554788
5.159037569	1.401034816	0.427500173	7.018908218	6.052661935	6.901487568	5.237054898
3.523759597	2.068791844	0.944196522	19.34775424	4.931044392	7.692587306	3.79990432
6.038527795	1.4619945	0.487047395	6.358470017	7.65781138	8.920421194	6.257422042
3.359462891	2.022271197	0.885623419	15.78241695	6.046800584	8.263324656	3.954577078
7.749251984	1.535849217	0.890016657	8.733328067	9.582995016	11.27895271	7.387719299
5.976138398	1.592256413	0.862814068	11.13697889	7.458013605	9.060565699	5.329088058
3.735687577	1.769872053	0.715851382	13.89515479	5.492407161	6.802624661	4.80597176
6.769866229	1.330467982	0.389130173	4.794807649	8.206335611	8.911712289	7.594230497
6.162506276	1.260926774	0.382152566	5.675262594	6.50670209	7.353169247	5.490535579
4.110065254	1.634055294	0.716117379	13.133725	5.696011295	8.025777895	4.400497243
3.559490062	1.37882329	0.211832265	4.99602155	4.303930868	5.60067842	4.090983811
2.036679966	3.100672681	0.766884098	15.97015936	5.17320868	7.815587603	4.925780301
6.782261645	1.279426145	0.429826684	5.354705056	7.768823705	8.854864266	6.444411298
3.159265828	1.348755359	0.202885092	5.878487526	3.40472805	3.909091548	2.805712062
2.41696121	1.981466203	0.372560381	9.434018841	4.1519118	7.281257961	3.865321938
4.320152978	1.707460378	0.737554622	12.06140211	6.146003929	7.102409983	4.795221524
4.789909628	1.924822815	1.137510965	15.97728016	6.988194845	8.979210422	5.519951152
3.759647854	1.39052113	0.300998002	7.024175048	4.445117762	5.09128202	3.978506088
7.078856427	1.502760769	0.77049622	8.296507509	9.169807436	9.95692593	7.72589835
7.252979509	1.338997538	0.581846521	6.804661604	8.255425885	9.966953689	6.92075777
3.895987388	1.786929984	0.635493622	13.46160485	4.800912352	7.654870213	4.108259963
4.641527145	1.383759648	0.463053188	8.908398364	5.254147065	6.772820344	4.757893291
5.006986446	1.295719153	0.412017287	7.118594318	5.650003271	6.706541326	4.897646089
5.348001132	1.499647044	0.596919545	9.202527223	6.713756419	8.423435576	5.584846964
5.108805742	1.41936903	0.525711121	8.314668013	6.222225091	8.244946246	5.240949254
5.143021495	1.243608535	0.358393392	6.244042724	5.946558602	6.911855744	5.34707359
5.141064332	1.255176734	0.324806018	5.641931723	5.869324291	6.828483158	5.044931142
3.688829018	1.741036783	0.595933447	12.79097999	4.682795264	5.954805361	3.974139609
3.000877176	1.624069291	0.326055389	8.472903395	3.790572053	4.028106456	3.232926456

5.594658314	1.337785735	0.430166001	6.369170318	6.657117771	8.757954767	5.528918962
5.361805856	1.541162293	0.705285897	9.891729012	6.995064181	8.137339833	4.713193887
5.889947469	1.331168466	0.383583155	5.199618181	7.371789213	8.070837057	6.541614262
8.075410562	1.362529549	0.623264357	6.222094316	9.883600173	10.48976338	8.366127297
5.416548182	1.185891159	0.253918613	4.37082157	5.757109566	6.871804207	5.463899222
6.812813348	1.31222791	0.46699744	5.656399904	8.029796893	9.408372418	6.649475568
3.938014877	1.508851379	0.556866133	11.15424641	5.180517799	6.163780689	4.472062991
4.048421073	1.29843364	0.207280602	4.698135601	4.451762167	5.14465436	4.198334149
3.607343511	1.535439425	0.441142896	10.97059864	3.883901623	4.504771574	3.522520885
5.714317561	1.443651573	0.453000018	7.02643073	6.316324705	6.976732843	5.34436517
2.760680776	2.727636285	1.369415389	31.86789832	4.228372762	8.942767924	2.934438741
2.116083503	4.209980882	1.202353844	28.86081902	4.182760927	4.821911171	3.976567855
6.651513694	1.242212481	0.386819209	5.073959726	7.756680179	9.151374896	6.773317026
4.775906148	1.526095725	0.554316934	8.959543854	6.007046637	7.568515933	4.911317876
4.707429583	1.561713858	0.634722871	11.49160325	5.626556806	6.426299531	5.110279608
6.33077588	1.264675331	0.445051355	6.335872648	6.685462697	9.137738252	5.332849432
5.037106346	1.277235493	0.359285148	6.474936209	5.482046503	6.575873579	4.180349295
6.724353964	1.326436001	0.501549537	6.130162533	7.981605742	8.703621614	7.192163209
2.656795408	3.20449446	1.120810532	17.33458472	6.715111522	8.932218863	3.843930537
5.644644757	1.355492511	0.427588648	6.215553257	6.343662512	7.443272162	5.410370117
3.467517409	1.727186421	0.552472059	11.15842312	4.693273057	6.86987508	1.90553477
5.329026052	1.614562868	0.734470822	9.964139348	7.261411807	8.402212249	3.877329784
5.915850832	1.408263623	0.697248931	9.787966256	6.878303478	8.29833895	6.112896467
3.051236053	1.388109711	0.212447666	5.652377929	3.809684304	4.070434612	3.402293265
7.174288633	1.1648338	0.315790556	4.075245808	7.542967264	9.52489937	5.921834921
4.395500883	1.832156987	0.894263691	13.68332549	6.263961704	7.481271287	4.486130533
5.069672682	1.39002601	0.467055729	7.793152871	6.311746781	7.256124614	5.642926368
3.788766642	2.112227564	1.086665929	19.08166534	6.484660071	8.886392101	4.898919989
4.651872201	1.581189858	0.635774425	10.21954729	6.460963163	8.428355134	5.45143308
4.878401443	1.727485414	0.817632304	11.40777574	7.43208009	10.03830471	5.925159539
4.590049431	2.193494433	1.372190321	17.02779566	6.937624204	8.269376462	4.178103678
4.142891574	2.219245775	0.921983424	17.42180875	5.456285525	8.516219653	4.420393291
5.692179896	1.189004326	0.245157234	3.879885462	6.421963606	7.446075234	5.718262115
5.788607838	1.432072454	0.667996149	9.341975942	7.031563473	8.178668576	5.718852073
3.781532594	1.814159668	0.753160474	15.45313399	4.858455638	7.053636496	3.064136553
6.608485535	1.241096416	0.399907029	5.51650146	7.226824337	8.543225007	6.187555873
7.075938574	1.509226469	0.98262426	10.70444443	8.828800116	9.922278583	7.41923854
3.429693786	2.715705666	1.415391347	25.09210294	6.680578225	10.4338234	3.602606085
5.375384487	1.358164324	0.444839142	6.823089201	6.530209683	7.560808146	5.409887652
4.776022479	1.796240686	0.925995075	13.04969473	6.30259514	8.719225626	4.657451561
5.766296377	1.222782697	0.271500767	4.200603047	6.341784827	6.851357937	5.513691059
4.611202078	1.402393746	0.499481008	9.15798462	5.635432226	8.172386266	4.417478871
1.499734552	8.851202651	3.321232703	50.04073318	6.06373604	14.1636686	2.760615928
3.914683423	2.311076474	1.227965879	19.23265386	7.362162388	11.08333188	4.617142656
4.546963803	1.199003639	0.245719862	5.130701655	4.909236805	5.802058263	4.537655478
4.655898669	1.578777376	0.716605278	11.93740821	6.701901956	8.677591979	5.179630156
6.44473703	1.424328315	0.629580928	7.931017715	8.146409886	9.293731347	6.692689171

5.797328463	1.387016419	0.462108486	6.617950132	7.106380804	9.168673041	6.064439273
8.721142255	1.291827545	0.618447253	6.156003812	9.936168387	11.04733457	9.138730297
3.837531159	1.919515244	0.765867956	15.06020757	4.97412626	5.79003957	4.673244381
5.439964206	1.240071594	0.328054383	5.380064899	5.975453546	6.524680994	5.463709562
2.675358616	2.666607871	1.022173865	19.43688076	5.530494443	6.624914047	4.634607683
7.642193006	1.241348542	0.468756397	5.376579972	8.897162951	11.38082459	7.808691305
4.950395683	1.33566001	0.373046291	6.058169744	5.978122774	7.088633532	4.557871885
5.044975433	1.361042721	0.311292088	5.105280836	6.199167004	6.997644796	5.649462173
5.345425754	1.490682916	0.637471242	9.427833048	6.634154732	7.478464438	5.625758362
2.833745585	3.038938257	1.216748829	21.19458222	5.586059969	8.699951085	2.046031088
6.664264901	1.282407002	0.409028733	5.215045842	7.699061221	8.512360818	6.373053115
5.249498458	1.233444322	0.321889908	5.65112574	5.613941609	6.46483778	4.437392541
6.974066352	1.401913134	0.535992586	6.312214	8.155766433	9.931353564	6.677046574
5.485893824	1.199972122	0.245930646	4.079622286	5.97207154	6.919550871	5.112982539
5.617241439	1.296290559	0.370160298	5.575151896	6.587399619	7.297981232	5.962558759
6.332405366	1.340593319	0.583102154	7.942517275	7.295572624	8.414418154	6.048888782
5.237342482	1.683329439	0.693654069	8.513916373	8.245836148	9.91724366	7.367766093
4.463640137	1.559730008	0.635175822	10.58941898	5.842500255	6.744893709	4.689354714
3.406449063	2.110889278	0.96160439	18.24483485	5.594208725	8.07417876	3.637852766
5.898751316	1.456165569	0.514158855	6.888510707	7.471824081	9.80139896	6.236472364
6.525223892	1.394762751	0.708665342	8.914632937	7.529316839	8.449392673	5.39182403
5.931710788	1.392093107	0.483146388	6.260759338	7.635126351	8.40457609	6.810196142
5.357118481	1.381837748	0.43716289	6.726868464	6.7473925	8.685950517	5.192474689
4.302049207	1.261784729	0.277129248	5.827848494	4.862023143	5.992830437	4.398181849
5.18130905	1.237013228	0.287150213	5.126394226	5.640904497	6.510085583	5.151670009
6.891276719	1.385916551	0.606352828	7.141137831	8.447540955	10.07803596	7.102518825
6.75778975	1.266887479	0.492667639	6.314273743	7.670850209	8.503318217	5.881043696
5.053285594	1.392465849	0.383717622	6.143541063	6.202774465	6.875695538	5.688090862
4.921301357	1.472918281	0.43762033	6.771673536	6.558313058	7.305328114	5.526197112
6.588296165	1.42449103	0.745908096	8.970734888	8.026595852	9.00951829	7.07147076
5.621035222	1.50081921	0.684141928	9.702732816	7.042902145	8.449953521	6.078900113
6.978002282	1.34060914	0.512278229	6.179829019	8.049092717	8.695320595	6.738329167
6.968910526	1.167249696	0.256892716	3.354701043	7.638088119	8.094224115	6.81881565
5.431837388	1.535078805	0.556182483	7.779913528	7.441359422	8.53952558	5.632457094
6.160788186	1.506131684	0.597502693	6.994477388	8.576976879	9.459072857	7.850328125
6.46649101	1.46014634	0.528645018	6.303870959	8.13308167	9.000745894	6.830028722
7.751448562	1.269066903	0.579110951	6.524917128	8.58240719	9.342630813	7.357336464
6.098157484	1.667258991	0.887977714	9.787779873	8.841138169	9.829639518	7.740516653
5.978461082	1.856795992	0.956974446	10.16700587	9.051811767	11.24046718	7.002043071
3.893041867	2.792223149	1.594101355	22.26262439	7.143958061	10.77807084	4.695936647
5.794576784	1.409991924	0.553325665	8.142759789	6.97470979	8.141514772	4.613936649
2.066051293	4.205604356	1.733791607	27.96766209	6.905808485	12.41084997	3.888330571
4.778794244	1.514884731	0.521874064	8.225957491	6.102489513	6.865755492	5.246654465
4.877209508	1.678126534	0.759417587	11.16596836	7.06983309	8.245393121	6.285341855
8.136325674	1.297740809	0.562229692	5.673070191	9.883706022	11.04791237	8.54000077
7.787556491	1.242293321	0.453006204	5.120157524	8.547361549	9.560296289	7.058816932
4.201583811	2.956304463	1.839448309	22.32338328	8.267964233	10.97295621	6.030897414

7.342233248	1.270784504	0.510744342	6.155945573	8.371607281	9.449961144	7.08947155
4.242037793	1.553016926	0.562150104	9.53483888	5.94965279	6.398734922	5.087790453
5.624438182	1.461726067	0.623177688	8.546544189	7.406936358	8.748653124	6.077446954
6.598538516	1.382248627	0.638929253	7.729130504	8.158001083	9.483917381	6.812871283
2.87534084	2.562145132	0.933410964	16.91259702	6.287490102	7.487673364	5.718956441
5.130247099	1.376149288	0.395145413	6.504289896	5.914744603	7.766418043	4.955682332
6.607942977	1.282046043	0.468614301	6.163327211	7.406166321	8.809491904	5.929418832
6.550498031	1.379242049	0.564250451	6.7741718	8.284446639	10.19558622	6.719896782
6.106418307	1.253134904	0.358253275	5.224647094	6.860577551	7.803747487	6.02334799
5.84672554	1.636110539	0.632488848	7.846179665	8.163027788	9.988577031	7.194082817
3.912540784	1.482822639	0.44502231	9.577877716	4.746545921	8.483191109	4.126075571
6.796023221	1.125355861	0.269739364	3.718852385	7.193649253	7.677521047	6.412495269
3.973775765	1.636038857	0.412804501	8.539429713	5.010586689	6.16237682	4.545813427
5.482933893	1.434764887	0.652265668	9.417135232	6.725996521	8.331137361	5.168587362
2.937051845	3.220121441	1.78261218	29.42205104	5.486652487	8.182214089	2.49288862
3.197651782	1.85582447	0.852801083	19.53797042	5.247944514	8.879085446	4.38739255
3.733566965	1.402989486	0.321465258	7.275243517	4.887437797	6.105039227	4.399333331
4.802964958	1.274249139	0.311139126	5.627115533	5.629229828	6.175238486	5.181077688
3.258440624	2.300570995	0.964372485	24.10472469	4.217659062	7.564132155	3.791072178
3.332991817	2.620060746	1.551752303	27.31531891	6.494218281	9.26462842	4.771838598
4.896855684	1.440806137	0.456218769	7.357344065	6.042116849	6.467428473	5.450299699
3.079829519	4.284163921	1.939494081	41.90936234	4.628034741	9.76653536	3.214130611
6.156024496	1.676943288	0.952881003	10.70218893	9.0107258	10.50127242	7.277275325
4.001415497	1.997489272	1.062689475	18.3909203	6.184522646	8.609402329	4.052408656
4.686157139	1.315378063	0.379877454	6.952046618	5.401456715	6.007521459	4.571972727
6.391209807	1.296331077	0.466310216	6.127002354	7.592327256	8.985727807	5.887265334
4.322116298	1.717517251	0.768498475	12.98879559	5.654762479	6.779432326	4.018468283
4.190743734	1.903800661	0.651515135	11.30695417	5.641552585	6.969238634	4.305182438
4.927548869	1.335240428	0.364934758	6.172181218	6.073018245	7.01590347	4.995241206
3.211256588	1.577793225	0.381908717	9.603687369	4.111494679	5.18462509	3.875022337
3.039489681	1.701583138	0.522551155	12.25405952	4.711844217	5.265258819	4.353037073
5.58124645	1.744660375	1.097694921	13.73536431	8.697385748	10.46204059	5.653975191
7.738107269	1.281135998	0.502957072	5.494548659	8.985999139	9.931880359	8.078338384
4.226134886	1.893585235	0.910594636	17.24696347	5.96746187	12.01419014	4.633116034
5.93936614	1.25617484	0.383755672	5.580497401	6.521163819	7.02452441	5.877649609
6.833726245	1.19687743	0.314567259	4.276789916	7.293060323	8.549202717	5.520941301
3.568899945	1.418355828	0.248344176	5.580741881	4.529385579	4.777253785	4.311142133
5.252581936	1.52354253	0.634188779	9.223631305	6.566909661	8.808496742	5.59193581
6.717320095	1.35060022	0.578231343	7.601578887	8.037366575	9.78161169	6.371741058
4.74578886	1.692600426	0.723120554	10.42306551	7.020739002	7.914886568	4.755015625
6.131969828	1.365006149	0.513210721	7.26278488	6.816833284	8.043964613	5.600108967
5.627094429	1.375594901	0.470855699	7.360815579	6.498321372	7.406221081	5.719104254
3.431413351	1.557479331	0.396206301	9.527785915	4.08023839	4.500675249	3.511764763
4.205318336	1.398885797	0.329216052	6.294665317	5.421249796	6.345528855	4.742018884
4.953090787	1.347204556	0.320916859	5.630506325	5.574335842	6.051919281	5.101798928
2.581869547	3.127943146	1.502353452	32.69741868	4.800163025	10.51227483	3.165991531
4.770386571	1.502661686	0.621009041	10.65553221	5.796675747	7.113932249	3.605937764

3.343677984	1.282161915	0.218184142	5.749199533	3.882816417	4.285521463	3.261678992
3.837854978	1.704589301	0.585771604	10.76712295	5.594773782	8.062158384	4.492483453
2.032993931	3.716955694	1.627200919	32.79664579	6.321068641	10.05885247	3.986876325
4.350492648	1.775181175	0.821096095	13.28038013	6.683448101	10.23728824	5.242097499
4.642527582	2.032375566	1.277510475	17.57600845	6.76033382	8.028362199	5.474829156
3.436524134	2.195265083	1.024402562	18.93498086	5.186421671	7.470976335	2.654538141
6.400216438	1.362893872	0.562993525	7.393988141	7.301544099	8.392735826	5.666778279
7.040817263	1.25027722	0.501202363	6.276802587	7.48481764	8.862107346	5.749196685
4.481969197	1.755009657	0.693279568	10.21669335	7.045225698	8.373312224	5.211875008
3.286572097	1.348566027	0.204048373	5.261703445	3.900032985	4.674469088	3.648009088
1.910240378	5.031919986	1.784093945	40.23450463	4.497911715	5.846751008	3.473509203
4.460452584	1.329920753	0.394553172	7.462595949	5.155805531	6.30331476	4.35948626
3.815165096	1.8259813	0.644435308	14.74337341	4.500147467	5.106767423	4.076274775
6.337057595	1.273100376	0.412292139	5.870560555	6.988218188	7.864626292	6.292814327
6.093684083	1.429616375	0.529353982	6.817713433	7.663652101	8.735693822	5.820586387
5.39336857	1.557022408	0.807397033	11.61446795	6.754306216	9.592151482	3.756604114
3.48505365	2.484106989	1.342613535	20.28320758	6.160753678	9.015826699	3.820173679
5.103191209	1.433803	0.529701147	8.352629782	6.164736248	6.824254299	5.423631534
5.754505076	1.365737415	0.527574833	7.863330718	6.586702579	8.429286966	5.084953957
4.03482885	2.392800119	1.290960791	18.13386822	7.132523047	9.85662956	5.760046333
4.617946978	1.555226643	0.52910434	8.884539647	5.569675967	7.821036212	3.802892832
7.003778271	1.247804413	0.473854107	5.943293262	7.919490482	9.11756737	5.533319682
5.440557486	1.432030523	0.495734774	7.708822384	6.107917908	7.412056938	5.22921331
4.47354993	1.648112581	0.774914843	11.84766977	6.644947066	8.077808683	5.131851062
4.896875206	1.546835434	0.557144054	9.508656069	5.667561832	6.773547495	4.479889629
4.624321197	1.785156001	0.886330488	13.69268112	7.241288088	10.40870695	5.782551508
4.572766662	1.603742241	0.630434856	10.57990528	6.503000041	9.337641179	5.134533368
4.711386185	1.458439957	0.426770611	6.944553344	6.236420545	7.442479253	5.417764031
3.604829459	1.385652042	0.282775339	6.654735373	4.339102307	5.615382581	3.931922354
3.477346609	1.482214363	0.321450677	7.75917547	4.169082241	5.099108467	3.490608967
5.521854282	1.275738267	0.465559841	7.442018957	5.940775614	7.52362458	4.196450034
3.778629888	2.125671391	0.879931253	15.38709543	6.036789705	8.050644148	4.67912131
6.943249263	1.239673492	0.480038081	6.167823122	7.811628186	9.24638509	6.823542624
6.743720347	1.250393994	0.406043244	5.173176126	7.911887623	8.67034033	6.653993467
6.847844969	1.364316552	0.70023394	8.712093093	7.498881848	8.839689743	5.65739359
6.007611521	1.564930664	0.872353396	11.23218994	6.981743107	7.968591563	4.512067158
3.06790536	2.82594821	1.384568208	25.40341684	6.508803093	13.01267102	5.001093686
6.617767059	1.26252244	0.500843049	6.613809535	7.486954949	8.200686384	6.771852422
4.963404564	1.386390845	0.481626923	8.369503973	5.382004568	6.427413475	4.078050826
4.407594118	1.465500332	0.532728354	10.81456738	4.813864944	5.491320828	4.585547435
4.82243044	1.783130621	0.702783789	11.14874074	6.366717195	8.249422385	4.612766008
5.615481694	1.433920138	0.652305664	9.067352888	7.497477751	9.018219608	6.79630771
5.77144395	1.433472998	0.660173211	9.188655188	6.683337783	7.774737656	5.518050201
5.265142785	1.4017734	0.445374831	6.84293438	6.171621611	7.178549871	5.075763178
3.228428963	1.646117705	0.355509195	8.737719839	4.165678258	4.55080347	3.963544743
6.020208392	1.226995771	0.36221134	5.432497692	6.513017809	7.985371825	5.358891002
3.078695868	1.575312386	0.498145595	13.29886139	4.203862923	6.637456856	3.255746424

4.831061548	2.750882657	2.075655698	23.2241895	7.270706008	10.70458001	4.194505124
6.459848561	1.398918124	0.69176974	8.917740421	7.689675448	8.746555116	7.018218368
5.977608175	1.231347556	0.298115072	4.746614257	6.136979803	6.684222987	5.454088786
3.762734646	1.171755213	0.202275408	5.17524057	3.896347629	4.608472826	3.45093971
4.939622193	1.510515073	0.601770782	9.418235959	6.500409883	7.840955812	4.69098266
3.383955391	2.327996152	0.99982738	20.48922764	5.198294424	9.375037086	4.409566663
4.394555514	1.582922664	0.489225518	7.88357941	6.39120549	7.106445303	5.373393044
6.528138597	1.205061693	0.335347279	4.643914079	7.032225703	7.650080245	6.055123017
4.382419741	1.372748617	0.343445945	7.091059943	4.998867248	7.051871147	4.558745835
4.487967424	1.261505702	0.260154972	5.093972658	5.301694766	5.827205177	4.954898441
5.574095717	1.296062737	0.47871149	7.49241302	6.471132923	8.340886727	4.385911071
4.334057587	1.39560831	0.316303963	6.192665886	5.041591001	5.918771853	4.517834212
4.646603111	1.51158105	0.601921814	9.641944341	6.340011242	6.98788635	5.797587034
3.094797314	2.246582897	1.024239051	26.54850212	3.925358111	7.568762062	3.594201462
3.243586358	1.427905595	0.237019273	6.144869688	3.91465912	4.39312545	3.612539826
4.373849214	1.366733272	0.469823973	9.087063454	5.534571031	8.273426992	4.621599803
5.991113409	1.287036312	0.441990908	6.396393838	6.694885168	7.118385423	5.874964105
3.399680846	1.796169678	0.661682133	15.45387778	4.774360192	5.795127393	4.1659986
5.292054888	1.36120042	0.442095751	6.773943514	6.481150009	7.585247928	5.36350851
6.028337796	1.285253463	0.455172792	6.447523773	6.91460821	8.120009648	5.535415594
3.391143596	2.268222276	0.992945566	17.14978352	5.908698837	7.242918358	4.032849113
9.810343796	1.162124077	0.377486306	3.47394029	10.90993193	12.05046205	9.508298257
4.084935168	1.308480014	0.304077965	6.544701038	4.841016382	5.379295529	4.369912872
6.448816158	1.309532725	0.467954088	6.159173171	7.128348702	8.333594382	5.933853249
4.60345574	1.638109815	0.760878667	12.41455675	6.091351916	7.171330179	5.330871666
5.354623247	1.445090974	0.55185627	8.522164453	6.574909915	7.615776885	4.294540995
5.332745685	1.776666644	0.859956696	10.43787408	8.530529667	10.32599557	6.984316044
5.990545954	1.520927009	0.651902275	8.337952818	7.600319411	8.988073052	6.182524701
4.827755321	1.620659955	0.845691374	13.94100317	6.150149041	8.70084865	4.928593572
4.068733837	1.251651084	0.278135291	6.236289908	4.592633203	6.780875172	4.018149619
4.196205073	1.733082153	0.761771045	15.71270009	4.794313596	7.30276972	4.070444813
4.50013456	1.26683663	0.271756561	5.373665157	5.144209288	6.191804776	4.84673994
6.140532868	1.42970706	0.754716211	10.12499462	7.007562909	9.447088517	5.061823046
4.861055591	2.06527088	1.017425529	12.00499086	8.370053089	9.391605302	6.960267015
3.334829766	2.250552239	1.03405106	19.11904981	5.552009875	7.434588664	3.734824396
7.41707714	1.368321143	0.813628052	9.400531013	8.435241643	10.07732263	7.026113279
3.471561116	1.556908309	0.409042089	9.387940943	4.917896621	9.861135817	4.52328799
5.101200063	1.534716006	0.641278638	11.40888836	5.587960993	6.989677687	4.628993291
4.040790418	1.356214889	0.40666102	8.595895206	4.984415058	6.883083071	4.549470976
2.551459867	2.493275214	0.764906394	19.45163469	3.989302327	4.655904307	3.591120503
5.21771151	1.417070514	0.497676986	7.414289115	6.513252088	6.993833339	4.959494316
6.409781779	1.383220897	0.688772432	9.398799548	7.424102877	9.166872387	6.510411684
3.968118575	1.400916981	0.457740762	9.982185734	5.190154019	6.143358044	4.879202393
5.707318367	1.251701462	0.377878696	5.684787144	6.722121045	7.807268942	5.790422868
6.478454558	1.295314265	0.48230748	6.411949254	7.457497137	8.393209979	6.541989251
5.43205297	1.617522845	0.639807106	8.47688732	7.738762418	8.927973424	6.243815893
4.507815634	1.426459362	0.468685297	8.1847551	5.876336187	6.600639737	5.173784045

7.76082729	1.337196474	0.537633546	5.547282573	9.781139958	10.84254545	8.725466743
3.683929101	1.828756227	0.87946004	16.23660075	6.080859606	9.027521117	4.687721605
4.292096222	1.5937849	0.527945704	9.054377698	5.854046533	7.917132979	4.74027934
6.758707916	1.347127146	0.557453762	7.377628333	7.154334088	7.865129818	6.268314537
6.071526177	1.265110956	0.508901239	7.315736948	7.167158001	8.448836538	6.250163003
6.04337614	1.347371043	0.525049663	7.820370361	6.430414915	7.486172315	4.901566669
7.644637027	1.420884173	0.678941866	6.827908393	9.911357475	10.61486017	9.037846009
5.472394432	1.352885369	0.351074998	5.749818025	6.083684386	6.836848476	5.414107096
6.183376598	1.358191707	0.541538168	7.350228139	7.429568177	9.082547521	5.572428635
2.080795719	3.283618912	0.727220051	17.69437624	4.114718089	4.896017325	3.712661107
7.625911512	1.319249122	0.583742008	6.60951095	8.602788603	9.889335508	6.705914592
3.979656984	2.112901054	1.042355131	16.13729172	6.666610207	9.195053894	4.567711749
5.572914311	1.465635324	0.510509807	7.645493553	7.095586234	8.68822774	5.974174206
8.412131516	1.349718439	0.713151294	7.192223763	9.563820452	10.5304424	8.497483106
5.107653855	1.333049954	0.460547621	7.816951531	5.866067729	6.885258456	5.095214156
6.578307335	1.78992419	1.303143073	14.17450534	8.738365115	12.72871473	4.788747253
5.783857231	1.289563361	0.45027914	7.182813802	6.095361882	7.291288844	5.228843726
3.100895924	1.53011097	0.493942517	13.78422212	4.22664381	7.895872227	3.094713503
3.951168588	2.081985173	0.927342082	14.16419412	6.948186494	8.642339344	5.22808209
4.737142944	1.730414563	0.834990848	13.2970302	6.411438438	8.302520577	4.570076257
5.109678051	1.723725073	1.088006263	17.33279438	6.272271484	8.716639658	4.98465487
4.657955674	1.297141893	0.368501009	6.843261882	5.329194723	6.191948916	3.817527672
5.400222236	1.770339214	1.126634152	14.98964887	7.649889496	9.433979506	5.391330878
2.644287311	2.875460163	1.331168332	27.93227286	5.058601358	7.748286136	2.462781219
6.724362393	1.294377677	0.46096735	5.856990045	7.8236029	9.005534361	5.872219693
6.974401988	1.316045828	0.502327583	5.966314008	8.470836001	9.57989959	7.467905228
7.574162552	1.247681482	0.484173772	5.638162368	8.154457422	8.934944742	6.873672509
4.714372894	1.339584492	0.361798087	6.544202378	5.43948276	7.837418686	4.157789389
6.146125906	1.411667135	0.62992327	8.792045176	6.63848152	7.650018646	5.053830426
4.76332978	1.931010672	0.845400285	12.59248464	6.770119607	9.133035301	4.478211422
4.900714524	1.356275753	0.433203071	7.626424532	5.570375274	6.461640142	4.595463257
5.878702525	1.368095611	0.523987034	7.117070848	7.256936644	8.850874102	5.00574984
5.761342879	1.348727107	0.421970267	6.644567311	6.43257814	7.313084958	5.126170835
6.307796194	1.46742945	0.801654345	10.44361122	7.405503386	8.527799369	5.675518169
3.162452139	1.812215853	0.485749767	11.4841735	4.351545917	5.025402504	4.067808959
3.538223436	1.966177617	0.543077661	10.53250699	5.227611379	5.841103637	4.935542641
4.797414617	1.541067506	0.690085353	11.33051701	5.647488799	6.913192336	3.868071565
6.225980844	1.315354208	0.520921015	7.255621932	7.177633016	8.831934341	6.406882375
4.511241374	1.382496797	0.403604073	8.02786378	5.082910346	6.312035391	4.509861568
4.800302503	1.324871396	0.379721114	6.894031495	5.265434897	6.128898872	4.448444556
3.325912912	1.341305136	0.246227466	6.303342829	4.303603834	4.623797665	4.172017488
6.124944511	1.45015959	0.795676072	10.57895263	7.858664511	9.597604195	5.168559406
4.519880584	1.142554657	0.18318679	3.889062259	4.627249481	5.729834955	3.800773046
5.697444251	1.313070923	0.47806801	7.293869986	6.333294233	7.152034359	5.224602071
5.622338292	1.536511527	0.680030069	9.423202795	7.07039248	8.212985929	5.578349841
2.724381331	1.673001143	0.407659708	10.93249222	3.84789314	4.222790328	3.551679835
4.846513873	1.424112142	0.552096719	9.149102771	5.669945637	6.791738387	4.343604913

4.434421791	1.610078897	0.621848462	10.43812617	5.445897859	7.4399695	3.83628063
6.60891265	1.430645059	0.64290183	8.521799872	7.43654691	8.524644215	5.938126234
1.526754696	4.501732655	1.359979315	34.4803075	3.923009321	7.831107597	2.731825226
8.209983557	1.240734047	0.446498441	4.754557578	9.126945811	10.1460478	7.891717845
2.328353634	2.535307216	1.096357008	27.8235174	5.076670502	8.130049171	4.528848467
1.268484251	4.776602466	0.86545948	19.98217443	4.444238099	5.218664755	3.844245206
4.957010927	1.792140642	1.026545038	14.28547753	6.557403788	8.577874241	4.398227427
4.621553755	1.523192239	0.716878059	12.6451557	5.646122536	8.875562144	4.377077102
5.550295455	1.476925782	0.548134975	8.411372818	6.049374447	7.183942131	3.941639051
6.709734972	1.466234449	0.63525109	7.704949451	8.132279436	9.203506006	7.429438212
5.580597713	1.364374134	0.442031654	6.889132725	6.424502813	7.915721493	5.040923265
4.729978763	1.840156664	0.957788533	13.61824649	6.685324374	8.675932767	5.39097168
6.748585175	1.458744424	0.688789066	8.284287098	8.092815557	9.779580679	4.559316843
4.430332073	1.438789779	0.433771758	7.549718931	5.548139477	6.211386618	4.857165555
3.300961533	2.660066437	1.417324576	27.10702696	5.839532894	8.586121701	4.022760883
5.558402428	1.329851845	0.409725487	5.940008951	6.809893827	7.690891443	5.460245368
5.332979967	1.688619317	0.814941325	12.03110896	6.804987711	8.387713707	5.649854567
4.704610794	1.531796495	0.603886906	10.4497075	5.606754823	6.957612474	4.270625251
3.265648764	1.630259074	0.561095723	14.23145818	4.350243762	5.703313546	3.806494277
4.528342063	2.035837062	0.946636402	12.94643316	6.71940907	8.041266962	4.974392731
4.484659142	1.667766104	0.74340477	12.17322293	6.042089403	7.301809537	4.751068206
3.605886587	1.483992199	0.337702112	7.754735333	4.467922488	7.161966578	4.076336898
4.565282316	1.65207345	0.545920122	9.327971532	5.969053844	6.766622258	5.145011961
4.357821887	1.534356444	0.422924893	7.54528469	5.704301826	6.572159859	5.149916141
4.935975516	1.355809921	0.435184808	7.541747952	5.753144671	6.788697583	4.802677548
5.62133366	1.57123295	0.883796256	11.86603077	6.944623045	8.676275586	5.581616798
5.746622236	1.41379809	0.599209833	8.265286698	7.129494011	9.233395457	5.616252784
4.930363483	1.37821905	0.403645257	7.110459131	5.928341533	7.044547078	4.551118841
6.103752705	1.322800938	0.488121828	6.739164393	6.983149025	8.05340906	5.385121698
5.696082565	1.244254469	0.293981901	4.442501665	6.513870024	7.342788958	6.043241164
7.834117367	1.278887607	0.506116685	5.714222125	8.523141004	10.31099145	6.745086019
5.682246039	1.31721633	0.430921758	6.68972516	6.292356096	7.238897951	4.977766736
5.353947493	1.353277275	0.514972157	8.157174694	6.55723531	7.831947233	5.661814682
6.89421273	1.312073313	0.536864979	6.627939592	8.175354978	9.464007101	6.435277269
2.777980517	3.01042203	1.177855848	22.27882555	5.189332973	11.37997546	3.411593449
5.972510648	1.322200532	0.468933386	6.552723724	7.068635866	7.986087163	5.857166688
3.167809952	3.155143217	1.399425198	19.54932358	7.319162453	9.056740514	5.666242153
7.074623972	1.319407279	0.455181362	5.275201199	8.549458598	9.775819462	7.302245148
5.556126171	1.621234285	0.880322037	11.83768612	7.541484863	8.53699824	6.3226465
4.544780951	1.436383127	0.466511418	8.949014001	5.14169231	6.310151014	4.568706684
3.747913987	1.725770278	0.716601965	14.0456836	5.014203403	7.708195959	3.353970847
5.556789216	1.536890111	0.523010822	7.080639406	7.191617111	7.972559461	5.933325265
5.54068407	1.421233846	0.593066003	9.211273433	6.153609329	7.512356602	5.582338159
8.076530518	1.214053478	0.433499512	4.861344553	8.648655465	9.782541766	6.976463381
6.471875139	1.39607945	0.615923567	7.623459506	7.46049476	9.016893308	6.157012384
6.065584932	1.237055589	0.321721273	4.64114524	6.769500686	7.377411	5.240529459
5.686738011	1.391070584	0.525679817	7.412317631	6.92083258	8.63747986	4.331638437

4.939526696	1.48412105	0.648419135	10.56372306	6.366995483	8.139338695	4.41063106
7.403770545	1.17616906	0.358327391	4.432934161	7.646407029	8.678690633	5.640921512
6.341788747	1.418412999	0.529447568	6.549963073	8.020819139	9.42728414	6.814967701
3.470006388	2.438558245	0.977003861	18.87180371	4.708263782	6.032471638	3.392172256
1.295476818	7.450669216	1.933920065	58.3579048	4.163312072	11.24666135	3.744368993
4.512563239	1.31231222	0.268031407	5.266131417	4.920585353	5.705567042	4.264359494
5.177315281	1.641784662	0.72537497	9.720002395	7.670024163	8.606972498	6.253813252
3.955446653	1.74404536	0.70940802	12.68063108	5.647683101	6.492734473	4.777680014
1.831185872	4.356738753	1.639813911	34.30997134	5.663043631	9.378836215	4.04300219
5.308364451	1.511401591	0.498594585	7.218989193	6.621805062	8.210125267	5.067919107
6.159902174	1.292461878	0.421605648	5.741122429	6.940092332	7.459799754	6.110883357
6.713807077	1.279284013	0.438817571	5.838890094	7.418992547	8.106071695	5.679797174
5.202456794	1.59344326	0.964507475	14.25448846	6.586402904	8.697566823	4.552978741
4.971118767	1.656062636	0.664255982	10.7959394	5.995712575	7.078830559	4.990803567
3.822819201	1.383809563	0.235331278	5.544823821	4.326058665	4.683584306	4.218725177
5.107694004	1.267714357	0.348486976	5.942742624	6.150938255	6.80661928	5.022605022
6.753413539	1.227652894	0.425909151	5.689710262	7.28561964	8.688971335	5.576137207
2.863422227	1.850976269	0.428632785	10.78064531	4.025116456	5.01880296	3.636304147
5.271498728	1.251715913	0.309857351	5.346760353	5.731230582	7.152706368	4.266316266
5.953985686	1.39981787	0.50050757	6.552150957	7.489469874	9.255089224	5.722778321
4.797978152	1.408228692	0.365153303	6.70221696	5.384619279	5.93067846	5.000877296
4.008575902	1.495968663	0.428448547	8.715451599	4.797215096	5.9698517	3.727194548
5.612671771	1.370220331	0.437256204	6.518481624	6.245655621	7.379222735	4.811497269
5.757576864	1.412445056	0.590345345	8.831745265	6.698545664	8.464475464	5.492936519
2.913902383	2.084236442	0.622326933	14.15434911	4.44985153	5.794939449	3.927257855
6.047082014	1.350829859	0.565086023	7.861748243	6.735269466	7.915773425	5.6140434
4.733972601	1.732496659	0.72406568	10.71948547	6.903636113	8.338476588	5.352722383
6.115710422	1.353094435	0.546132572	7.728073447	6.806203611	8.389155395	5.240588605
6.666433128	1.378091935	0.740160823	9.557822663	7.147662269	7.7489255	5.9211153
6.368623236	1.232633974	0.339869095	4.798263903	6.97106183	7.587740455	6.053603967
5.321893788	1.74597181	0.828526924	10.47987204	7.966958228	9.744387044	6.132306043
5.170869183	1.439390594	0.470100914	7.823400869	5.942985437	6.790999695	5.330235339
3.021447432	1.7619135	0.632822757	15.4756162	4.451824177	5.438500596	3.804619161
5.033394693	1.762401439	0.780552463	10.38660938	7.532895427	8.747061954	6.02099847
5.760716529	1.239851221	0.369919098	5.757004636	6.215140193	7.041877648	5.31957075
6.301317825	1.311213205	0.407040079	5.69121484	6.931763651	7.900962964	5.582102618
4.724693365	1.452004238	0.504666939	8.407694773	5.682230712	6.819545189	4.810888558
3.995933956	1.886820079	0.722526347	12.99859427	5.368648318	7.374006181	4.354289166
4.779581832	1.526750386	0.628344123	10.33255203	5.856575766	7.361029575	4.936413031
3.817451358	1.521725123	0.590410202	12.44249978	4.625178059	7.354183873	3.379498699
5.455379707	1.368491452	0.544952017	8.277510855	6.463225977	7.41328423	5.22992252
5.720539372	1.280569748	0.336655174	5.090294749	6.299462285	7.649705611	4.580804293
2.967950767	1.649209108	0.331876712	9.422409351	3.485050724	3.904174667	3.271908582
5.250586986	1.616186228	0.821173364	12.23230782	6.115002658	8.12515575	4.809290836
4.01738993	1.477078704	0.452142964	9.570560837	4.955930702	6.757045389	4.248390873
4.059592993	1.392325313	0.358556236	6.929460758	5.146899272	6.229719536	3.881198032
6.044387106	1.530608706	0.658202681	9.250692156	7.024871493	8.761887191	5.552371521

4.92828615	1.373142924	0.417416957	6.890946919	5.9347333	7.116625072	5.13989314
5.365079684	1.318343009	0.336288399	5.677118381	6.025372201	7.136841327	5.301214048
6.295802502	1.186221656	0.233195909	3.445877596	6.813587149	8.78830555	5.957684224
5.384441478	1.281050404	0.355894578	5.643162576	5.945343821	6.707334867	5.366282027
7.14482091	1.191496839	0.31941506	4.142052504	7.567160548	8.613243076	6.329749111
6.290335549	1.288734389	0.413935782	5.849887666	6.76105233	8.54381487	4.913466936
5.066355619	1.395473364	0.413764951	6.452009034	6.390189834	7.10697667	5.227954899
4.779190312	1.423110718	0.52354404	8.618213113	6.154505575	7.095728352	5.511000741
4.87790121	1.447999002	0.483662968	8.413648744	5.149793121	5.962844027	4.053206521
5.877342032	1.310516964	0.412356601	5.91644872	6.957672681	8.37277451	5.043909256
5.996294009	1.343261605	0.590024709	8.451947215	6.55783617	7.840094154	5.015727493
3.639871356	1.552130606	0.375384482	8.686036009	4.252822382	4.929312507	3.927569164
5.312292079	1.574669412	0.779944378	10.87226411	6.996890187	9.299194671	5.318180856
6.206839892	1.342538696	0.415070133	6.11528597	6.886095653	7.605217971	6.068655821
6.941115479	1.292142531	0.565465515	6.937017917	8.081283314	9.53241727	6.843683594
5.029920714	1.423050133	0.485827797	7.69604527	6.324688259	7.016828728	5.42879151
5.091457417	1.255818607	0.293335415	5.413700442	5.247171376	6.056596964	4.171289182
4.06079875	1.659218886	0.508686273	9.30821733	5.279313053	6.194085458	4.329185952
5.51896149	1.378462914	0.465570284	6.882754995	6.984401103	8.358491153	5.334843933
4.671018914	1.504320649	0.509647337	8.471898823	5.760312476	6.669811138	4.35622554
4.428380656	1.517567988	0.561973112	10.31397365	5.259389943	7.411536232	3.904646026
3.184721337	2.707860043	1.179944952	19.43575541	6.095342127	10.11272032	3.683172189
3.34407105	2.403640047	1.25054371	20.73932522	5.758292234	8.245649131	3.40669392
5.188097518	1.347852773	0.417045588	6.707462219	5.995065508	7.60342591	4.700774982
4.408890368	1.387490849	0.439770437	8.601997254	5.225830751	6.790090733	4.635401838
4.502044081	1.291643546	0.256186104	4.853601434	5.271559266	5.470554709	4.904586465
5.052418307	1.378126647	0.436312889	7.173270457	6.085278764	6.766007828	5.135041521
5.303914547	1.444826665	0.490144635	7.371182144	6.437175789	7.591382053	5.258847664
2.978731011	1.459126779	0.301836331	8.864653943	3.254999788	3.633899147	2.135637066
3.490948073	1.781916103	0.519449716	9.286174599	5.772592001	6.581149777	5.287246337
3.349343699	1.566905482	0.37221688	9.246840307	4.02437479	5.023398977	3.678322688
5.604388033	1.259779373	0.361394657	5.741391782	6.094358189	6.708873263	5.3532114
3.712036177	1.422034091	0.299547921	6.679148154	4.533004862	5.250774018	4.145207724
4.769344906	1.542195149	0.585678346	9.123326939	6.489059141	7.584829315	5.273216181
6.298519783	1.291128653	0.550651496	7.717375529	6.785338026	7.807954852	5.276575062
5.213936086	1.313092292	0.358858396	5.856922179	6.09083047	6.943431143	5.373800635
3.838477311	1.385956758	0.291794568	6.393308503	4.63394475	5.436197703	4.379078358
6.444535392	1.51312059	0.674981155	8.488240439	7.436630081	9.386685682	5.350320333
5.588755158	1.317205638	0.429223633	6.441042342	6.603055205	7.532242021	5.534862513
5.209854256	1.242050727	0.308802644	5.195759034	5.680542711	6.627805976	3.943328036
6.153089001	1.252765993	0.400376413	5.918637444	6.464104958	7.706435851	4.250992914
6.345979752	1.450766837	0.706306133	9.136753741	7.187902561	8.919906528	5.276863716
3.91329404	2.03305459	0.892024852	16.26516107	5.196672993	6.55793934	4.249169069
5.341359283	1.486626916	0.567856243	8.430613455	6.618804803	7.978161887	5.218390255
5.54956538	1.484067205	0.635516662	8.959651782	7.126518185	8.199899352	5.272783581
5.757201744	1.308290923	0.438082535	6.438237551	6.664478186	7.416107449	5.748538866
5.540373484	1.28131578	0.360226569	5.912389144	6.000100973	6.993573744	5.217059959

5.136651584	1.193530548	0.219161658	4.081972482	5.163151621	5.663492337	4.469051639
5.111147386	1.482367553	0.545036929	8.817654454	6.037140597	7.379944994	4.888948883
3.417537551	2.566033879	1.493631214	24.47847851	6.586642029	9.427025135	3.047290172
5.449135087	1.210150825	0.309728271	5.013318783	5.912207358	7.140241238	4.188681217
3.927635333	1.808710384	0.671872955	14.02580489	4.648364817	6.476763125	4.127524849
5.307489339	1.250247639	0.29807998	5.052994738	5.970243032	6.862429375	4.966769672
5.455540284	1.328937292	0.346925934	5.872183262	5.734740428	6.306552015	4.969505092
4.827662912	1.4530689	0.432615543	7.023551008	6.234064116	6.81803903	5.220472672
6.087310952	1.329371323	0.428797854	6.351025995	6.674532538	8.833876884	5.616662395
3.124939273	1.851468399	0.487994522	10.4862841	4.967887318	6.120228172	4.554359357
4.393931127	1.640110701	0.538291488	9.031383919	5.60984675	6.507532469	4.789380572
6.265781044	1.169738275	0.319814227	4.642826842	6.893134001	8.075647502	5.364122626
5.451513427	1.426536427	0.574002958	8.447373268	6.388817664	7.594347683	4.224501393
3.480000877	1.985606598	0.829279275	16.25087692	5.555422779	8.730155113	5.049914439
4.490421491	1.455423209	0.524109429	9.222675813	5.983949857	7.569614229	5.289735326
5.058259569	1.543550531	0.609783136	9.030456108	6.456799812	7.950035722	5.085342688
4.714556336	1.355414262	0.367054131	6.703236695	5.510765205	6.162182433	5.128167313
5.245847412	1.246868888	0.309170101	5.257211725	5.825277259	6.595887307	4.802093815
6.445982315	1.249914856	0.316653093	4.442848903	6.962428439	7.539013043	6.339267848
5.252820106	1.412724134	0.461698042	7.349885336	6.416816957	7.209521175	5.629313755
7.19082069	1.406956085	0.697976062	7.733288351	8.789263495	10.4055089	5.537776473
6.184200302	1.18200316	0.265637263	3.871258163	6.650850762	7.752945065	5.496459237
5.271251852	1.363898329	0.536784148	8.67156664	6.058068245	6.91929418	4.726598437
5.040812397	1.661977002	0.803070876	13.00784186	6.520291429	7.778429643	5.306618388
7.241776235	1.513806588	0.990164429	10.64176756	8.241941896	9.655548026	6.360184597
6.353851103	1.229729006	0.388462448	5.413869524	6.980942733	7.890027964	6.222793827
5.901977745	1.481264048	0.635388307	8.622427404	7.50133436	8.786651383	5.383839063
5.804626107	1.219671827	0.310452513	4.676445407	6.69515992	8.553999308	5.460606607
5.100519798	1.480593846	0.494876065	7.796255306	6.123341591	6.97351887	5.057204045
4.692498269	2.429750898	1.968935226	30.67589825	5.723381242	10.97310206	4.404504566
5.276412414	1.690157881	0.982738446	13.6285814	7.423217378	9.677416046	5.629555521
5.504430572	1.357505924	0.586915491	8.674928813	6.572070462	8.310246865	4.702551008
5.131248403	1.37244331	0.407167237	6.363480698	6.216695888	7.094855566	5.014007557
3.974717545	1.723819846	0.50189846	8.642419036	5.755422124	6.186795687	4.512692593
5.27093784	1.369301011	0.466565374	7.400259334	5.988332553	6.645392045	4.680029177
6.986455612	1.147331928	0.205815338	2.655452038	7.583619266	8.165026037	6.503668277
6.679101348	1.462378655	0.591209968	6.908254811	8.579165928	9.482369508	7.380051355
6.156604663	1.214793278	0.360063474	5.261002323	6.616552081	7.517906371	5.273879879
7.054533179	1.283087975	0.432497662	5.145247117	8.359430516	9.174351349	7.230279486
3.856286059	2.040960815	0.944408449	15.24521968	6.380768238	9.316506138	4.821360701
4.613391063	1.370908599	0.46516584	8.213494139	5.449804121	6.677259304	4.361892796
6.188329788	1.1738714	0.270665381	4.017965691	6.670992799	7.188858967	6.02325824
6.420541562	1.317660746	0.40946791	5.378396536	7.449967541	8.240301442	5.878515513
6.073349117	1.302703498	0.470572182	6.535620452	7.149533523	8.189960983	6.108442492
5.665704127	1.551046381	0.644793382	8.724779411	6.960916741	8.203944073	5.862939101
5.096738591	1.513929011	0.561011582	9.416410073	6.091904978	7.412329319	5.060915563
5.590250535	1.514797423	0.64640994	9.2899798	6.43741632	7.453817405	4.873284038

6.567905155	1.361878387	0.537845321	7.13609359	7.418521447	8.956627319	5.513174135
8.457212372	1.208443543	0.467646614	4.921949316	9.195683951	10.36715019	7.178075154
3.808243641	1.715219576	0.69049643	13.45861955	5.473980802	6.547897286	5.119165537
3.568941621	1.440904051	0.247607029	6.034269257	4.149616531	4.722768154	3.566121817
4.922892212	1.206280902	0.306421339	5.546225463	5.606836547	6.714308282	4.591895763
5.738122641	1.495949052	0.732175402	10.28348597	7.131871759	8.573479737	5.367795051
2.782248747	3.503178352	1.46607313	22.11231985	7.182065263	10.17124762	4.43924691
6.812081482	1.247417411	0.478261822	6.260219119	7.616028992	8.853577948	6.263804321
6.008816632	1.513556645	0.671057329	8.762215025	7.711861054	8.665452716	6.82285061
4.822700611	1.407015815	0.530245756	9.008181067	5.889841236	6.692693301	5.07310911
5.826882884	1.332475891	0.440315267	6.626169879	6.519071344	7.538224889	5.324996989
5.552739042	1.577834965	0.856890646	12.12482787	6.444160528	8.116830342	5.305741145
4.198413189	1.454769099	0.330728598	6.174243938	5.41206864	6.537062885	5.054858344
5.480201581	1.371783365	0.364089275	5.813060573	5.977813395	6.800272797	5.015981342
5.042477351	1.253539833	0.303373945	5.426339635	5.658357315	7.120394262	5.152241466
3.738568732	1.617366727	0.555232917	11.20700563	5.232258079	6.826484078	4.022794486
4.738846418	1.588348814	0.749248095	11.77820905	5.777107543	7.402618463	4.203995011
4.722603911	1.357648632	0.411126373	7.163837163	5.528848872	6.947500437	4.213023082
3.542782969	2.168933449	0.912562197	15.27015652	6.207806556	8.495301147	4.900186365
5.045746288	1.353628167	0.409819122	7.146660001	5.59345893	6.154642549	5.02011899
3.783155171	1.671263774	0.697485903	13.83623383	5.070683279	8.220179531	3.847880419
3.562280963	3.190881932	1.540390479	30.20266635	5.034345492	6.560802921	4.42848841
3.516771951	1.833808211	0.70143798	12.81966057	5.255224213	6.357036176	3.941690889
4.195823641	1.917667058	0.944878936	15.36747858	6.48055537	10.025185	4.083929661
6.160229145	1.36081684	0.477059924	6.969460535	6.638602916	7.550220994	5.610189272
3.632423666	2.307241899	1.116163896	19.63659027	4.973539939	7.454345114	3.056919605
5.928069563	1.414474031	0.518621112	7.30564502	7.058550554	8.470335021	6.064888768
3.853922424	1.70497832	0.613998741	13.46432909	4.502243688	6.09116904	3.891384008
5.875693273	1.573963994	0.820441273	11.3775858	6.664260681	7.875855864	5.283326655
6.491166222	1.391272678	0.786424734	10.12391535	7.252266344	8.976735657	6.185075927
4.534227659	1.70279953	0.836466241	13.68509132	5.558211001	7.044131824	4.812335258
3.097116986	1.782925324	0.40908892	9.537579234	4.431228298	5.169081577	3.999087763
6.0191121	1.325339881	0.448431395	6.322636531	7.052670215	8.852706213	3.758536934
5.018537481	1.61357168	0.720341936	12.04496961	5.759149858	6.670062883	4.207607107
1.93521368	3.683814038	1.529729737	38.44297462	4.722293787	7.025744603	4.049242325
5.864901998	1.250684281	0.353029057	5.293694448	6.44567312	7.218868907	5.094695326
7.117456587	1.25157156	0.436592156	5.493028182	7.891881863	8.950974035	6.673037673
6.744852605	1.231295873	0.427928323	5.713841709	7.213707384	8.523179089	5.51412723
4.805772912	1.665582837	0.645658274	9.917637636	6.466575661	8.078076566	5.632669584
6.470677397	1.321544402	0.470537665	6.255405059	7.411001304	9.099549523	6.017739284
5.02894527	1.199003235	0.260966682	4.757881524	5.299758409	5.841662879	4.795387971
4.8019652	1.259873732	0.30149378	5.556198228	5.472900609	6.15302487	4.888623432
4.070364801	1.574194409	0.57514148	10.17635871	5.45824793	6.51216065	4.512883356
4.701829793	1.466783013	0.467213756	7.549307473	6.107017528	7.064422695	3.381612394
5.776451603	1.703110921	0.915795241	10.8534449	7.925970153	9.05466847	6.273399338
7.054776441	1.233187069	0.403605756	5.29937773	7.466420496	8.610468495	5.578849539
5.693631371	1.308911732	0.405306326	6.05949214	6.58724339	7.562605738	5.536935452

5.073085678	1.380473004	0.409879366	6.954160243	5.750070286	6.43616552	4.524208335
5.111983049	1.201637496	0.251473263	4.591546034	5.450472493	5.874678111	5.116015423
4.570550768	1.583546642	0.525607433	9.16376027	5.647552366	6.82129789	4.847370888
5.831097552	1.330491579	0.478452633	7.380506591	6.59771593	8.357731004	4.773439674
4.591566509	1.638968387	0.561236147	9.458171743	5.885362745	7.497265085	4.300988038
3.350200803	2.469208951	1.038309447	23.0128037	4.320341563	7.886657584	3.307617678
5.034905683	1.516339248	0.616681992	9.318851339	6.470726666	7.450401206	5.570500341
2.542519356	2.509286179	0.739130064	20.35651214	3.930728465	6.41978684	3.20700052
5.029028313	1.534577523	0.607220776	10.07378772	5.748862847	7.18082408	4.153930152
4.834446536	1.283349305	0.382515424	6.880748618	5.703731908	7.305146614	4.631483871
5.131690978	1.507846265	0.472316059	7.826655522	5.715054254	7.41065636	4.604365351
4.857700531	1.235594458	0.27838551	5.267862111	5.3043791	5.906141653	4.916077441
5.782704548	1.526075202	0.700410305	9.177816713	7.449730292	8.791597485	6.062524436
4.312652555	1.683753831	0.575246301	9.788376576	6.03137774	6.681404506	5.267533945
5.768922465	1.403393557	0.433721255	6.11195992	6.982580838	7.625269349	6.015171917
5.100130414	1.490159544	0.595719171	8.851518454	6.877971646	8.461699124	5.828136622
6.021978106	1.523427368	0.791468731	10.31949348	6.875394827	8.773727462	5.3954168
5.782472715	1.20156866	0.278708211	4.457746128	5.967134876	7.035867966	4.503775693
4.453461725	1.469354514	0.483934867	8.673989769	5.649904377	7.11463227	4.56271068
4.298227988	1.389263972	0.328048472	6.321483932	5.259804058	6.268559612	4.857469605
4.737993369	1.542573992	0.521164984	8.631682108	6.024536746	6.597694627	5.2339053
5.357777644	1.300153914	0.414233054	6.742236602	6.186963288	7.014917851	5.136039453
5.015894461	1.46144179	0.527828972	8.862021429	6.051531955	8.184997443	5.182206087
2.97544954	2.243251336	1.03740555	19.82779846	6.01235354	7.681869009	4.986538902
3.151693127	1.889791041	0.731694287	16.19239615	4.687832597	7.634596875	4.121554985
4.788890637	1.59177023	0.722524484	11.60266053	5.987373941	7.270067919	4.727434487
4.929696782	1.298412074	0.312606127	5.499406899	5.567486113	6.84985254	4.515008581
5.206733673	1.341009041	0.439190488	7.19198471	5.93649854	7.583810782	4.513800577
4.676475076	1.820652702	0.729583574	10.03671514	6.687140213	8.04526752	5.291672915
3.597482382	1.643214897	0.438835497	9.698279705	4.512762749	5.575456669	3.548820737
7.01046058	1.358526792	0.594853655	7.537379876	7.583805222	8.901861414	5.233742378
6.017704512	1.484545092	0.734523635	9.79334072	7.530137522	9.207664963	6.025189292
5.326318107	1.393542579	0.528126763	8.322330887	5.970721433	7.503741732	4.617303834
7.538848503	1.396534139	0.935350387	10.42270025	8.35806266	9.581591644	6.817107556
5.858618323	1.312133419	0.443296154	6.744233228	6.331925956	7.504876158	4.829893667
5.240945596	1.245690256	0.324557544	5.392483527	5.853968586	6.660032643	5.262283306
4.891592805	1.393934833	0.458798977	7.350594308	6.188627305	7.034582578	5.538595691
6.306542453	1.289968469	0.435328345	6.189943622	6.879751789	8.449401028	4.137021857
6.857861945	1.566293318	0.871028636	10.32393246	8.479335562	10.52577195	6.554476891
5.536532585	1.394889122	0.602342934	9.269745872	6.168079896	8.279820171	4.336742025
3.313189637	1.374319335	0.316374717	7.585818833	4.372741927	5.094990121	4.100420685
6.103819616	1.292978093	0.447573537	6.388783721	6.833393648	8.120738004	5.60109507
5.568061627	1.179665869	0.209448371	3.494828801	6.023074974	6.551656412	5.24589666
5.452872697	1.309396059	0.373690943	5.917028646	6.226095021	7.117967611	4.421521201
5.047132293	1.351736276	0.400855927	6.665734357	6.045438527	7.223908936	5.311256479
4.750335173	1.399251882	0.369369437	6.501569153	5.65425573	6.678265851	4.531918391
5.295225612	1.259191389	0.368066375	6.189059527	5.813328866	6.578004329	5.08298184

4.006369286	1.738591456	0.786449095	15.95734583	4.943609779	7.882531457	3.958531749
5.397719444	1.342710679	0.457681768	7.20956407	6.193473372	8.167198002	4.626640895
6.300617625	1.327552768	0.503349693	7.157338888	6.742418049	8.065393005	4.644375656
5.547845416	1.654719132	1.125658154	15.26484948	6.942932855	10.53136617	3.963953704
3.073172684	1.785131886	0.457770762	8.962676193	5.135223387	5.646372239	4.827522446
3.712127642	1.985026151	1.054157441	18.97394819	5.259434498	7.644996594	3.080689631
7.358832906	1.432415531	0.940380921	10.79138024	7.688831663	9.047874484	5.421826828
6.891882176	1.21597629	0.379151571	4.863940293	7.604681386	8.341882587	6.508573094
6.300140439	1.348748623	0.553870103	7.243201458	7.913525665	9.657348989	5.363527616
6.824190581	1.369248337	0.767892223	9.995326866	6.932503508	8.342964616	5.179828788
5.392719537	1.274406218	0.347494998	5.727416027	5.934908115	6.465324589	5.064897277
6.341008545	1.213564384	0.353694526	4.951743014	6.786666847	7.738426686	5.138851975
4.434294612	1.334015533	0.331511791	6.411541675	5.183230577	5.791332923	4.397455491
5.519675132	1.311772873	0.417912435	6.278062027	6.758616509	7.529533999	5.425312947
4.487224045	1.963717866	0.796894538	11.08378931	6.417694849	7.543024324	4.71379604
5.422248122	1.177921718	0.218268008	3.66437539	6.020595813	6.446694933	5.33800265
6.293307839	1.159054425	0.21777552	3.161176864	6.680596244	7.681229309	5.95317041
5.854308353	1.206118092	0.262284203	4.266926758	6.098601008	6.749808004	5.277547011
5.961887317	1.227620348	0.399309034	6.039904223	6.387625365	7.000817005	5.079492029
6.019517309	1.328308814	0.509945832	7.41219862	6.639564758	7.355676611	5.504328907
5.338562931	1.196342555	0.24459362	4.07677964	5.794443274	6.677581195	4.598346817
5.925217751	1.525019802	0.582900692	7.040210283	8.134390352	9.162004928	7.124749433
5.453318932	1.397604636	0.4898477	7.733065066	6.248589423	8.176758215	4.707808701
6.207971319	1.343537807	0.623993873	8.660854624	7.086595164	8.193477452	2.947224022
3.029698874	1.822877792	0.759649094	20.33645593	4.365190698	7.232929695	3.920023944
6.306361141	1.402513723	0.634192024	8.548488934	7.10341725	7.937968144	5.711851592
5.997213017	1.294850318	0.380811834	5.748974565	6.409222564	7.474726851	5.386137505
5.285442463	1.753865189	0.899349494	12.74435831	7.463193302	9.650137285	4.459331671
5.751267847	1.206788916	0.274879638	4.242435828	6.492086798	7.212625531	5.941410667
5.527386917	1.494957595	0.587212832	8.828102365	6.750464485	8.917357621	4.211035652
4.078891485	1.974881311	0.732647043	14.65835128	4.854436812	6.781428615	3.378346502
4.841782969	1.619122807	0.678725116	10.5073792	6.226082938	8.770906497	4.679239627
3.851735416	1.522115834	0.556609683	11.00819831	5.404575336	6.478421006	5.0320498
7.174295386	1.177650458	0.393966593	5.078355066	7.740641848	8.88989104	6.296127943
6.50978804	1.362670824	0.492642997	6.836031987	7.046617418	7.973620323	6.064153136
6.119170755	1.275775475	0.430858913	6.085817508	7.145492389	8.18353718	5.986832826
5.630967038	1.714434542	0.880010591	11.69308836	7.219292074	8.800379616	5.061811032
6.210814142	1.347098745	0.447646792	6.405399741	6.86681094	8.151979904	4.609296362
3.714985516	2.182105898	1.030286348	17.48208811	6.502647796	8.350415045	5.285101971
4.395255199	1.512937627	0.502579276	9.989568028	4.941436156	5.524653061	4.623194049
3.468442938	1.96577435	0.712580495	16.79835479	4.654906655	7.500301175	3.848799915
4.402678107	1.582420335	0.655646504	10.99334461	5.449900451	7.376497389	3.885152757
5.472705528	1.448661177	0.665269464	9.679905274	6.687676723	8.23512273	4.495889368
6.523032008	1.490786194	0.74305116	8.668494404	8.047890825	8.934978716	6.603611216
6.185382569	1.263703926	0.435060912	6.128262375	6.626303728	7.224485862	5.729498529
6.28110976	1.246574421	0.409721934	5.705891779	6.840298034	8.048065846	5.096875595
7.677869914	1.215311359	0.426773536	4.965859948	8.481754428	10.05158095	5.326927706

5.280984745	1.675451648	0.970343782	12.8195652	7.149781534	8.746369497	3.975555441
3.743842166	2.626771842	1.643637564	22.60131726	6.522246603	10.55459265	4.316607119
5.950612199	1.311375674	0.398596471	6.089574358	6.544889881	7.395693927	5.283948599
8.078815509	1.322603235	0.586362323	6.043820749	9.63227861	10.96665074	8.722498382
8.9530119	1.272408423	0.645309394	6.237368546	9.912182089	10.54896566	8.987226013
5.699155957	1.82374518	0.918738966	10.12076088	9.270697874	11.25827359	7.184941871
5.286118746	1.262082155	0.325562553	5.705016114	5.818677721	6.535859578	5.297704397
4.304061325	1.608074807	0.602654298	10.36804554	5.735097325	6.874924456	4.395084206
6.208440095	1.45144509	0.62082134	8.005352071	7.666631253	9.412625426	4.860574478
5.711893221	1.788495732	1.345862716	16.12167337	7.275289215	8.815398248	5.352583
4.851583647	1.552117074	0.547821846	10.04844846	5.409619859	6.417618474	4.832678179
4.661228374	1.961495946	1.32369583	19.18700168	5.921851787	8.732926717	3.679342965
5.65814765	1.384605538	0.517526916	7.589264593	6.671584016	8.162565477	5.305025387
2.675789237	1.886086415	0.50514935	12.03389553	4.009243707	4.524492392	3.341151298
4.049381406	1.488990947	0.454767066	8.666977714	5.201784741	6.775908965	4.164654661
4.275549067	2.043166169	1.212161607	18.60309283	5.507512251	7.676546755	3.801499487
4.93837384	1.369438929	0.392486613	7.322797204	5.336740094	5.915728738	4.526318878
6.339772219	1.266688592	0.530368311	7.334828296	6.520999358	8.054023044	4.380196095
6.309860315	1.306563398	0.496316288	6.531677696	7.536778802	9.261082737	6.099304924
6.182977151	1.264842222	0.423530827	6.113032552	6.733506841	8.315386481	5.463055108
5.640866734	1.333415605	0.38974739	5.718053574	6.697880782	7.659261138	5.515590686
5.321785532	1.317427193	0.359485088	5.759210299	6.156681649	6.762549918	5.064105877
5.473115828	1.512112756	0.6766932	9.495903216	7.08731627	8.048239407	5.309608498
6.473040313	1.297271264	0.514837364	7.061734427	7.256314551	8.732394767	6.19725686
4.003476468	1.5934616	0.636410142	12.78228172	5.510924261	7.846622889	4.695086607
5.26171557	1.360201532	0.418644853	6.793142627	6.049716232	7.312028	4.852260633
5.780797394	1.372345766	0.580265436	8.588029128	6.460186168	8.070269101	5.071163497
4.90567337	1.690783525	0.951521423	15.09906125	6.381868816	7.856271194	4.332198766
3.365369142	2.04524029	0.940076961	22.78951591	4.248876957	6.335052344	3.831362089
4.199820763	1.353511202	0.402020151	8.553099559	4.84245631	5.48941608	4.526809608
5.998763832	1.340688484	0.520295715	7.537962954	6.819956234	7.779184117	5.116452989
2.317357035	2.486734457	0.576269966	13.43464189	4.464230546	5.783758326	4.18594653
4.960723775	1.224034927	0.289095111	5.315493928	5.40111693	6.210430195	4.862548708
4.202627912	1.474072334	0.497830387	10.17654007	5.247396933	7.929448277	3.787224526
5.298760319	1.434142935	0.648418013	10.09354654	6.035927913	7.147478978	5.596924401
6.598309781	1.32266776	0.642006557	8.228804453	7.701304321	9.31429534	5.83274767
4.074567831	1.379103073	0.373283523	8.295556864	4.606535067	5.835488177	4.288520312
6.637981236	1.394701684	0.706816817	8.7725314	7.507555358	9.680467687	5.331849794
5.137022237	1.469346046	0.485242876	7.650276684	6.330966977	7.252233787	5.780388166
4.536622389	1.49714412	0.501247094	8.078393923	6.046521477	7.111387431	5.116607775
5.723315012	1.348488714	0.533443118	7.743970656	6.754605168	7.579736551	5.496455939
4.755954028	1.761982706	0.695687359	9.62806319	7.339895719	9.340111237	6.217571737
5.430274456	1.469236354	0.503704173	8.036877505	5.858910229	6.85804606	4.783768363
3.835904826	3.1480833	2.22826435	26.58364222	7.357385369	11.79188739	5.385640578
6.606584911	1.386626541	0.499809624	5.967518791	8.112834987	9.041684687	7.324400443
5.294431893	1.40406444	0.463039385	7.598832305	6.049811748	7.287499137	5.250939693
4.546683546	1.157353445	0.19141278	3.894159422	4.882129477	5.50172312	4.581204343

3.619338393	1.249774109	0.159415896	4.132616439	3.844561707	4.47782122	3.57909122
4.757645142	1.769468151	0.816305992	12.0766197	7.140007167	9.457973419	4.303467249
5.457067189	1.717866465	0.853487534	11.90649496	7.619008263	8.69583271	6.964959227
5.694701983	1.494991185	0.563006629	7.838455643	7.150439591	8.441912546	4.874421703
4.525710453	2.283008922	1.619313089	22.18541472	6.335980464	9.475902701	3.935449339
7.206540392	1.195967024	0.368453266	4.715163767	7.400270789	9.190141736	5.85999623
5.021073232	1.672759682	0.761809936	12.5787726	5.559359678	7.199961079	4.613268699
5.881853068	1.323876768	0.488364896	7.156932387	6.792478513	8.434111354	5.579630357
2.100744453	4.220224311	1.724097147	31.10498748	6.989716943	11.2603623	4.963312002
5.133191022	1.458762891	0.563603929	8.87030123	6.345520245	7.312015089	5.263216979
4.183146835	1.828147428	0.826806864	13.0640846	6.655978407	9.152171547	4.233777221
5.831589587	1.681480469	0.962842445	12.20234909	7.725380098	9.53355721	5.486340681
4.708251628	1.67724464	0.629002501	8.664984426	7.15244269	7.765065944	5.697119736
4.539521127	1.531051966	0.438048054	8.002156545	5.551987796	6.196872672	5.048169779
3.177272717	1.882429818	0.867711811	21.53204817	4.694602377	7.382016183	4.286736556
5.30123203	1.427858297	0.461196324	6.686453211	6.946819211	8.656564858	5.72889664
4.860609637	1.351592752	0.356274046	6.492132695	5.539438347	6.72256643	4.927230692
6.844740636	1.555360933	0.868676675	9.421729016	8.767095523	10.34246302	7.101755348
4.529886532	1.369446023	0.358333916	6.628293312	5.420922988	6.746433924	4.371687387
6.866517712	1.382141182	0.671826067	8.260876335	7.482356167	9.500191428	6.024772909
6.573252969	1.389897693	0.608962252	7.926007531	7.243947236	8.343150128	5.79847053
5.702200793	1.263245814	0.303031629	4.89701373	6.014036165	6.747814001	5.478218691
6.788013098	1.300238286	0.469664593	5.908643631	8.107318691	8.934498635	6.774774199
3.946310942	2.035556319	0.877773037	13.71960122	6.70126644	9.485615873	3.999189224
3.161457892	3.829760459	2.017575746	33.40636492	5.249957538	10.26112433	2.794325477
5.195364617	1.526969648	0.618331084	10.3146927	5.952999073	6.982001588	5.091142503
6.271223852	1.249305939	0.412806065	5.921815848	6.651769786	8.288433789	3.94207408
4.581214686	1.916197017	1.030231538	14.92988586	7.309699227	8.965735291	3.834851626
5.211875478	1.215950276	0.318215706	5.433037591	5.755879156	6.331773782	4.817482258
4.258700375	1.784751094	0.673595083	9.907738296	7.099920975	8.382788594	5.657120755
4.104290612	1.473037434	0.460730911	8.481765691	5.613770817	6.641228981	5.066066189
5.159232796	1.356194737	0.451429067	7.10530936	6.291495864	6.805871577	5.265963628
4.700524876	1.33528224	0.406822815	7.337969999	5.844200135	7.102272155	4.456519128
6.631541558	1.40271179	0.578586298	7.853578352	7.120169557	8.214168081	5.936226413
4.895405668	1.487296285	0.515944248	8.203065848	6.170073743	6.946998367	5.212110898
3.030569789	2.715907569	1.045059737	26.60700561	4.397867651	5.509400456	4.176976539
3.763949388	1.712759738	0.494766055	11.16113862	4.421028413	5.580673832	3.901748782
4.763750702	1.726037478	0.635656529	9.634710693	6.491757476	7.564267198	5.394026198
5.6336039	1.226803974	0.331297211	5.230818774	6.188799005	6.814576184	5.287573962
6.087850646	1.362492636	0.476287909	6.679343449	7.419768708	9.234740931	5.784722604
4.252018666	1.598194985	0.514373605	8.481778884	5.759278642	6.183538528	4.622111032
3.483875539	1.971019789	0.701723069	12.3404059	5.631188542	6.748575721	4.645284898
4.947111556	1.510858055	0.476069399	7.192684994	6.590615446	7.451058289	5.779302592
5.901181457	1.420191604	0.462727387	7.12920064	6.420048128	7.479033613	4.651704652
3.304025691	1.646167102	0.55093249	12.27134908	4.38687805	5.391746392	3.668386877
2.046235029	4.834760801	1.962882891	28.04233164	6.627186654	12.10614595	2.343713754
5.218884825	1.492497583	0.803427938	12.6575513	5.963540155	7.983561312	4.870520915

5.407854848	1.679674435	0.935754914	12.7285032	7.564427921	8.938640289	5.909765892
5.010524559	1.703381633	0.691895893	9.767684959	7.075286577	9.019324919	3.953493858
4.019676531	1.990009352	0.959339387	16.67342109	5.465919493	7.300289736	4.512575404
2.798436584	4.002773298	2.105207513	41.81228635	5.884475975	11.3357717	3.354135459
5.070582363	1.417909562	0.529987253	8.898082391	6.131007041	6.637174908	5.3824151
5.166622317	1.503166231	0.603852568	9.061431665	6.847608835	7.735531597	6.098884736
5.548208698	1.631795216	0.72575678	8.995917434	8.07464062	9.356026423	7.09658455
5.194543744	1.594915975	0.733716949	10.53156328	6.850327472	8.955876095	4.191397196
5.066840035	1.405014473	0.42848734	6.597500141	6.454982652	7.502111869	5.410653798
4.237239782	1.43577646	0.383978901	7.091127081	5.319118402	6.125225557	4.839107925
5.889623191	1.594590399	0.990076999	13.03154949	6.957641388	8.918784586	5.190023999
5.804624452	1.546382829	0.761802879	9.674704418	7.862771856	9.265879052	5.853967427
3.568877886	1.782975131	0.807286312	17.50783232	4.389718367	6.49229887	3.431526862
6.280645764	1.312907087	0.359571528	4.944285302	7.067411211	8.382742753	5.42691669
6.381644993	1.51242667	0.72930576	8.61244367	7.99910568	8.786285023	6.674771302
5.401041053	1.77798288	0.957154859	12.50026644	7.288219086	9.068580736	6.035078331
3.654549426	2.366768835	0.983817581	12.62531808	7.559722096	8.916224812	4.780123237
5.54167282	1.409268018	0.43714838	6.142599488	6.902231047	7.706802805	5.253771765
5.201580796	2.240730119	1.599538547	16.85881382	8.241227732	9.728831834	6.826384939
4.540178029	1.250441621	0.299395875	6.104599644	4.831931038	5.502266584	4.199660647
5.13259525	1.435306852	0.456267494	7.487951908	5.99830413	7.467424772	4.090113937
3.458358813	1.962928633	1.016566796	21.02253893	4.617268738	7.229411422	3.844770955
5.226689799	1.488023446	0.547847522	7.872029616	7.174572895	8.302022814	5.987145649
6.452791276	1.195826497	0.307653787	4.266236082	7.103253602	7.964267399	5.643546726
6.315723668	1.537785952	0.723194164	8.722830826	7.756226661	9.062368699	6.511992473
6.583425096	1.480209478	0.914196379	11.03734856	7.824400262	9.127368782	6.591511656
6.164407414	1.827145319	1.309184628	14.69119698	9.35434434	12.08821194	6.651115221
5.930581325	1.26530258	0.438668927	6.668907122	6.359444178	7.403688739	5.195597242
4.826251661	1.35527348	0.441788332	7.84881353	5.571970537	7.717565838	4.549910455
4.213207501	1.741557504	0.943497	17.53686093	5.66373777	6.529072372	4.57529178
4.129853498	1.816316918	0.798524229	12.33930953	6.114768591	7.304356136	3.798934173
6.269252184	1.227619	0.38509843	5.462770368	6.765910974	8.353659612	5.265186151
6.837109239	1.46907281	0.914984809	10.36295831	8.308471414	9.655038401	6.533736782
5.50099604	1.541304018	0.708013824	9.788889038	7.098896643	8.646213269	5.29774976
1.274242591	7.308159705	1.984298556	49.66391378	5.563765348	5.857796418	5.156431653
4.111387832	1.891326031	0.74284952	11.16917012	6.573915542	9.082704516	4.852938262
7.380228917	1.346882513	0.666466253	7.797029418	8.222141429	9.439339019	6.495052483
6.860012749	1.14788749	0.304453897	4.146625272	7.303276116	8.324835194	6.441999881
3.880131736	1.548463954	0.629617384	13.14929246	4.591675729	6.065387013	3.405325312
3.164568631	2.559744425	1.332469948	32.60186625	3.94364577	8.903880884	2.684032979
5.642708486	1.243049044	0.353499982	5.69915698	6.044087296	6.935846363	5.371352011
4.111857223	2.019621406	1.057739171	17.02071795	6.740956597	9.530475143	5.665469165
6.084706655	1.271954434	0.404765104	5.967670248	6.799021224	8.438362653	5.69120907
5.808533292	1.834592036	1.339984228	17.24683057	6.876180106	10.73866372	3.476383441
5.920554717	1.290881401	0.359867008	5.240959382	6.793759383	8.118679639	5.214967783
5.95574784	1.281398451	0.375605153	5.505685309	6.701901048	7.516555597	5.866842784
4.686999493	1.414587234	0.436322791	8.346517643	5.203420976	6.549093287	4.973597168

5.779848988	1.805621634	0.969069872	12.26583638	7.555175953	9.518679158	5.693582701
3.196043758	1.591876551	0.399542322	9.270880577	4.374146444	5.585444366	4.031633214
6.231703034	1.325387185	0.604085646	8.326226713	6.949438861	8.598460586	5.775253584
5.986115292	1.416101864	0.603809013	8.57739717	6.772154879	8.342261949	4.344614933
5.832730294	1.377298216	0.600449611	9.032849109	6.441624701	7.04116176	5.482097968
7.201580972	1.410129324	0.723003538	8.14978729	8.591735462	9.519957583	6.420918618
4.48419688	1.470546656	0.552399337	9.77096852	5.577067189	7.492509136	4.809396958
6.39198383	1.587932728	0.911376115	10.81364825	8.09967851	10.55582275	6.272525524
5.690626666	1.527748018	0.677859563	9.086192773	7.312841216	8.173942304	5.93008777
6.26833142	1.56183657	0.797832113	9.592368074	7.98644124	9.53871561	6.019216349
5.325645823	1.24134821	0.314869273	5.223649438	5.956706524	7.105553012	5.222424124
5.308658067	1.379890375	0.385241694	6.216829969	6.18362007	6.910856294	5.790780611
5.705209144	1.190695245	0.197797624	3.117717636	6.31686554	7.580267904	5.068335966
4.542051427	1.466640269	0.60856097	10.90824846	5.760539777	6.975801608	5.053379404
7.18285583	1.195100484	0.383270709	4.839838662	7.854713644	9.00631392	6.311094072
2.989420202	2.578932895	0.88067658	19.42767431	5.017276277	6.644900122	4.637978386
6.415750649	1.473808823	0.618989021	7.282411405	8.387951908	9.739575111	6.135930453
5.131799351	1.437727583	0.516834315	8.545250984	5.650383953	6.968032873	4.481992006
5.987207608	1.468086795	0.729335168	9.764519761	7.18107105	9.186571175	4.953775453
2.879751242	3.215811696	1.808782669	31.43403301	6.211071976	8.872370568	4.216928786
6.834278969	1.330525557	0.473324419	5.883099642	8.067897699	8.663066527	6.71196248
4.681628494	1.359114904	0.417802858	7.68385646	5.329948232	5.801309822	4.83726691
5.575795986	1.475070189	0.573590908	7.978706417	7.098745668	9.498226267	4.335504777
4.233564468	1.848779452	0.635379832	11.56049965	5.438453544	6.703706438	4.228384115
5.073955112	1.416538222	0.447947327	7.730697733	5.743446244	6.424608747	5.253278729
4.326958282	1.797764331	0.986407952	14.97258113	6.985541472	9.581564116	5.762121735
3.272627031	2.027687926	0.662539489	15.88012431	4.18118074	7.186749403	3.510734216
5.592294302	1.767648005	1.216706161	16.8781165	6.515497536	9.436891502	2.1451192
3.084880851	2.205793265	0.859399567	16.69193369	5.643220892	7.536144479	4.40830327
5.627916113	1.213619194	0.266422428	4.198815365	6.165868844	6.989090973	4.977009698
3.030057411	1.780506019	0.417522026	10.11213931	4.187413257	5.378043796	3.956517699
5.643374364	1.326793383	0.441494272	6.620972167	6.728969367	8.874186832	5.462311699
3.786390517	1.334575086	0.265977704	6.411531375	4.175068245	4.932922163	4.024225969
5.484887017	1.296680006	0.346059383	5.595372482	6.163765187	7.39200327	4.821036506
2.30029349	4.853746156	2.341191536	48.93823141	4.71817425	10.37720427	2.58169956
4.938113174	1.321105516	0.439683766	7.738832425	5.46305432	6.071840703	4.710813875
2.928386731	2.735946485	1.058151079	22.19679737	4.5715539	7.448193118	3.567575717
4.221224122	1.419355551	0.418980305	8.267105762	5.269887222	7.707425287	4.276887825
4.379686893	1.679572337	0.636238675	10.8988893	5.771670419	6.673432063	4.957797809
5.623723473	1.457429116	0.620957824	8.73874935	6.77553447	8.603327539	5.306158135
5.437492032	1.389231096	0.527986301	7.80221727	6.982307569	8.075940822	5.803746072
6.661728274	1.275815143	0.407042892	5.193418316	7.608928578	8.76734774	6.523697089
2.272353151	2.204343887	0.471323473	12.46832167	4.352082928	7.755959113	4.09063313
3.959007321	2.200544003	1.303840353	20.65125825	7.254898222	8.877913335	4.360659207
3.116707422	2.180840304	0.570383533	12.12396872	4.794040905	5.47822157	4.462653235
5.287440632	1.145989129	0.168831528	3.000343797	5.61697465	6.162851175	4.881951114
5.830540254	1.452774734	0.584918363	8.104475988	6.837137013	8.185892134	6.035843658

7.150132853	1.202444527	0.380589631	4.846856004	7.541575104	8.546884706	6.533065033
5.016121991	1.565418277	0.59517226	8.39545531	7.246057139	8.520579959	5.65939088
6.201600157	1.221688829	0.333548058	4.831888336	6.648020313	7.674962797	5.259083768
4.261060938	1.3282802	0.353899727	7.470673479	4.623874656	5.66002205	3.853334216
2.394466744	3.326728648	1.436805667	24.87976847	5.579866841	9.476579951	4.10549791
3.457584118	1.887294331	0.708336308	14.70576413	5.208624714	6.019829325	4.344047347
5.966844476	1.366934259	0.537721465	7.465547168	7.156620354	8.970945109	5.93099993
5.809532457	1.280725166	0.349512733	5.226083077	6.639469962	7.770310171	5.3262987
6.478995956	1.861279667	1.281039542	14.69759981	8.069927823	10.83323204	6.418030754
6.135350516	1.50238903	0.819581238	10.29708027	7.789498549	9.054578756	6.75996052
6.59076543	1.182794951	0.297445598	4.237046864	7.146535691	8.007501821	5.750361095
5.775131836	1.498492503	0.658086396	8.401163501	7.952221392	8.748674365	6.761593788
6.434239419	1.255547199	0.382097493	5.243331041	7.199954688	8.249447283	5.723815944
5.338649191	1.390453403	0.502959806	8.012967196	5.872284071	6.55982035	4.838971811
5.599211744	1.395419323	0.551578388	8.177386297	6.717633341	7.876235422	5.724485856
2.854155804	2.271751224	0.659007469	18.79723738	3.629947636	6.249531164	3.446731235
4.988305553	1.493594228	0.579851829	10.5348924	5.648466592	6.166515862	5.109001149
5.437657812	1.33654945	0.410491719	6.862486239	5.983189191	6.508315203	5.229956749
4.785090793	1.944720142	1.083228167	14.00318873	7.735872467	8.633169764	6.129737223
3.02652077	1.677116583	0.48417598	13.03636395	4.302800212	6.732721437	3.863100053
4.722946609	1.496578169	0.518609368	8.584517261	6.159966203	6.86329822	5.490087955
7.778322981	1.281700638	0.54477833	6.150754618	8.416310073	9.671501185	6.823106633
5.000661427	1.404491823	0.552034948	8.749034719	6.036290959	7.284429016	4.50587065
3.531137562	2.559298142	1.29570657	18.20562405	6.766430922	7.954308885	3.991410383
4.277914993	1.481910681	0.477943528	10.12521337	4.717660787	5.429806624	4.142397602
6.427986419	1.650020694	0.892755876	11.06252126	7.46496537	9.053285334	5.219426882
2.061031313	3.752114827	1.245034359	23.27913491	6.067885634	8.15545471	3.550741769
6.298854422	1.266616405	0.390165535	5.432900066	7.285627236	9.155047261	5.142634323
3.404207082	2.620570694	1.020118647	13.22393208	7.683920769	9.226823524	4.815541782
4.941453521	1.686416407	0.619789809	10.51163607	5.9354494	7.028415941	4.250718486
5.830606407	2.473548907	2.23018689	23.9397329	9.292705427	11.76869882	3.797177891
5.965668588	1.499257262	0.642893499	8.126830093	7.978858256	9.985791154	6.832077786
6.390639567	1.373565694	0.534250165	6.960892735	7.660998794	8.793903666	5.313065565
4.255092459	1.452515878	0.323070592	6.602420029	5.082098488	6.455308231	4.765540316
4.712211002	1.836930881	0.782422956	11.11928685	7.080849484	8.420338559	5.595663258
1.224739864	9.857716026	2.487031438	73.66096552	5.361512761	9.608068243	3.990636627
4.266714052	1.463029727	0.470880769	9.454445229	5.410287573	9.842836476	4.662873708
4.990422759	1.495531091	0.534006864	8.411799216	6.214969799	6.75264257	5.485792991
3.009662393	1.345208893	0.292744745	7.811278023	3.893090347	4.277321466	3.586338054
4.563118927	1.37275946	0.399753052	7.228826009	5.636148459	7.424790722	4.433234225
2.870218458	1.532248262	0.318955719	8.596466479	3.743833717	4.049987913	3.646890652
-0.214789114	-34.86613058	2.27896627	68.25341637	5.249198286	9.401934192	3.598045588
2.648145884	1.959357006	0.490539118	12.57865609	4.143793188	8.855722188	3.516030253
6.113226715	1.45328094	0.602300946	7.578138474	7.704292624	9.35498182	5.585288713
5.394048842	1.31321253	0.388938098	6.097269434	6.237557726	7.631073432	5.319427348
7.92345841	1.117097148	0.196492836	2.336240807	8.392008542	9.013438774	7.578759283
5.321098209	1.348704197	0.396034753	6.45778777	6.074543287	6.621624608	5.508244617

2.500072165	1.7826908	0.361448016	9.439624899	3.956746848	4.246547457	3.625909192
6.290626801	1.440143429	0.72161954	9.193645011	7.081514642	9.893322579	3.355275733
3.363253307	1.591181669	0.444389177	10.57600358	4.004320526	4.763784428	3.473302699
6.68633106	1.260351401	0.419808527	5.421048317	7.49100897	8.372610371	6.056198353
7.628538446	1.389387767	0.595060147	6.127066153	9.511957549	10.5393516	7.795542654
5.539397417	1.533724526	0.816870133	12.12182588	6.215393595	7.65490518	4.689474807
6.256172263	1.296449016	0.465167696	6.58062462	7.004768235	8.374365709	4.56394617
4.223443643	1.691352538	0.558237977	11.61334289	5.088126944	6.273994589	4.631574498
4.552321251	1.804308829	0.722738166	13.1355686	5.781161595	8.71342351	5.44025252
4.890304456	1.444838249	0.571141896	9.450017056	6.02597068	7.447429668	4.975234802
5.996391943	1.361764796	0.452674914	6.527434168	6.888050105	8.225064407	4.969605996
7.161316926	1.313113796	0.515317226	6.175176409	8.496117338	9.441517103	7.144118576
2.9910317	1.525709853	0.276194367	7.393652529	3.968551379	4.402235137	3.834516626
3.205778541	2.650184354	0.928651771	21.28837101	4.840784846	7.377781413	4.34374659
5.147483481	1.362858877	0.401763006	6.749856882	5.73156903	6.507643968	5.083986766
4.978400532	1.617129691	0.582168483	8.737143995	6.399558049	8.157956564	5.091342025
3.565308085	1.803936484	0.847137233	20.47822595	5.136336498	5.375099567	4.86858782
5.564717758	1.534692072	0.653786367	9.480640893	6.466830205	7.219994442	5.49207289
4.782768491	1.4762283	0.58258042	9.732513218	5.980256828	7.288014823	4.965653041
8.405634529	1.292667442	0.532818271	5.464194521	9.866973512	11.07953878	8.130112082
6.190616088	1.624584247	0.731977402	8.542724241	8.498544388	9.034995297	7.111201663
3.677230903	2.303895735	0.957313065	18.86528585	4.856989746	6.999455282	3.839494486
4.08747212	1.717785108	0.730335859	14.01593286	5.34369308	7.431207461	4.191249635
6.324117729	1.380035189	0.569509685	7.964940199	7.250998953	7.947694818	6.482510962
6.484937693	1.3240222	0.495442861	6.602394353	7.211775675	8.853319797	5.572646827
3.970058692	1.635042789	0.525822323	8.891969418	5.937379702	7.190000308	4.988311212
5.064295876	1.457720382	0.503739344	7.859398004	6.184320603	6.930243717	5.116295514
3.639024414	3.151397283	2.00590554	24.16090689	6.608484766	10.27747221	2.931830336
2.684455442	2.248117758	0.590338292	14.49346076	4.29230942	5.107060159	4.055594224
3.002950206	2.051992528	0.76414392	15.7213712	5.53559294	6.290491954	4.936249665
4.156967677	1.502058037	0.42733878	8.93203194	4.587947709	5.343874587	3.914239613
4.463775974	1.812664757	0.934032321	14.21795779	5.824426732	7.486290493	3.786364782
4.479278142	1.608670576	0.622304686	10.60261941	5.95173223	7.695345902	4.916550143
3.572854372	1.677020277	0.635852456	13.54540353	4.45971763	5.189822478	3.825953509
7.174357174	1.365599783	0.689758026	8.134062649	8.253978349	9.822734325	6.709158038
4.490295309	1.466578427	0.448432181	7.579447833	6.018444512	7.32399895	5.456467833
5.89672822	1.266619002	0.430621133	6.258439914	6.548781262	7.930671234	4.092527665
5.616906234	1.221284201	0.371811276	5.975835841	6.205932751	7.262723896	5.15755079
4.589004052	1.768219819	0.722505866	10.50324038	6.946909019	7.944952515	6.000050684
3.705093816	1.526739005	0.474925856	10.03967275	4.937724723	7.495889749	4.126323101
3.477661484	2.560213959	1.326694107	23.93034573	6.72368565	9.342216256	4.757456063
8.188187669	1.276946465	0.551806319	5.823001245	9.035317257	10.82258583	7.671380574
6.759116741	1.424381767	0.568549453	7.476955683	7.163413312	8.048015768	6.05163788
4.897039044	1.380437122	0.496511596	8.303814337	5.792992895	7.031413853	4.754402985
3.081936235	2.799480452	1.295709233	19.07165995	6.701930456	8.432939447	4.684887063
2.596407986	3.245969258	1.001667193	20.83833472	4.96570924	6.320383646	4.692315126
4.086128188	1.946355801	1.082648054	19.06547569	5.430715936	10.35209925	3.600683673

5.421714647	1.658184977	0.666864945	8.212936572	8.197630694	9.359567778	7.096896815
5.389171409	1.484013434	0.641707574	8.775927594	7.267773541	10.02033501	6.079557165
3.453026584	1.872190507	0.669299218	13.28364351	4.943156344	6.247319825	4.533359069
2.72472253	2.973869936	1.192205942	29.72118127	4.767430483	5.930949482	4.101866897
3.798612017	1.507911617	0.381813915	8.111941637	4.843901078	5.324765677	4.590558387
3.664311632	1.615170273	0.516776275	12.3016929	4.1056155	4.477410573	3.909791716
4.487394135	1.717373286	0.861338752	15.40706189	5.403427691	6.795565481	4.442946369
3.749482528	1.624169892	0.404833254	9.565783507	4.35242993	6.072851469	3.930815915
3.8721717	2.115383595	0.963614907	16.34407613	5.871469961	8.285581428	4.346245232
3.951823027	1.302739577	0.246558998	5.658656926	4.376844791	4.908820792	4.208901008
5.939512809	1.260103555	0.360926218	5.378964242	6.52614768	7.154226115	5.657049681
1.868020589	3.537786438	1.290253309	37.03737498	5.079165073	12.63646748	3.952763921
4.930779894	1.357176074	0.348862066	5.991369359	6.033459516	7.960431378	4.622181824
4.345090979	1.506609371	0.470471209	8.949818245	5.060966816	6.292925027	3.710996057
3.636508213	2.081605057	0.962248608	21.17947213	5.285094477	8.769553152	4.516961072
5.461795945	1.498622572	0.564228621	8.056005594	6.795492178	7.781854328	5.968321148
5.920799013	1.437120212	0.587131198	8.134622338	6.858082405	8.29517718	5.190374007
3.307895309	1.5834799	0.378386383	10.81710956	3.377700753	3.899062637	3.14372176
4.827351651	1.464238688	0.50746189	8.365574989	6.165724553	6.911163872	5.065620958
2.45473559	2.384464615	0.701804834	16.6638883	4.731063996	9.553670848	4.265235758
6.25071765	1.326335156	0.464273785	6.564319718	6.930600355	8.409011647	5.761994288
1.911185954	3.934590102	1.240487739	20.31510515	6.894690957	10.08512895	3.787816975
6.894216787	1.253587823	0.47558195	6.183645928	7.651692219	8.590478362	5.80442238
4.705962044	1.661519499	0.700084914	11.47977139	6.159787007	7.724367031	5.033549809
4.391932744	1.923034525	0.852202159	13.36574707	6.713315565	8.592384974	4.36440795
5.428087112	1.553070996	0.673634219	9.533684161	6.985910921	8.86061753	5.411190877
4.633056906	1.630554329	0.64000595	9.878348018	6.430782372	7.692296917	4.965950792
5.83512062	1.364842801	0.573451354	8.401317597	6.986650576	8.294650169	5.214867571
4.390708028	1.769693048	0.817149093	13.36876658	6.552250596	7.689772843	5.673815884
5.869455764	1.172320529	0.233920516	3.788201527	6.141835398	6.993230138	5.336492933
4.602061284	1.692146056	0.692742071	11.22341386	5.775201087	7.23982026	3.473648361
2.720385542	2.111630237	0.504250209	13.17415757	3.876069419	6.50603742	3.0643384
5.106576288	1.69175116	0.880128476	12.87070615	6.913656879	9.042109701	5.077447192
5.155222593	1.373452823	0.451684399	7.052176689	6.498726017	7.760094809	4.939098849
4.105824528	1.565687537	0.45732435	8.344333946	5.525284438	6.558496625	4.557424194
6.418089866	1.40502726	0.664385507	8.491608035	7.422665257	8.846794915	5.654595259
6.494256144	1.410780254	0.672019018	8.215203028	7.9843735	9.227655898	5.988932068
5.531961062	1.37086142	0.531040902	7.919613536	6.362958993	7.271786635	5.294079671
6.530386973	1.271467951	0.443289996	5.98507962	7.094422821	7.69187092	5.926372572
4.564590612	1.953584839	0.83507997	10.45577795	8.015952671	8.90697468	6.642541663
3.412351415	1.525615392	0.465549492	10.85469437	4.89077209	6.609189874	4.40712647
3.969671321	2.673187846	1.489022297	18.7905722	7.399337702	9.275356628	5.481719302
3.920541577	1.696851339	0.654780836	13.77882575	5.147916246	6.371530516	4.351826505
5.133412047	1.386083595	0.446021254	8.071678906	5.470755187	6.066009316	5.201086558
4.606844429	1.515228723	0.562323087	10.01016698	5.471222711	5.945332268	4.701739279
2.687976226	1.820528837	0.446717764	11.57270089	4.427264177	8.378705897	3.542179613
5.913950933	1.25289506	0.351267791	5.221581299	6.64949055	7.688650628	4.881087296

6.395130373	1.337566085	0.501630998	6.787201138	7.466501211	9.073565319	5.056390984
5.96490455	1.414896635	0.505897555	7.17962757	6.901856786	7.964681582	5.718591342
4.348633729	1.522678855	0.459397914	7.996931639	5.923540687	7.309593931	5.264308361
4.167171347	1.376775964	0.335727592	7.090880904	4.880107906	6.620737774	4.412247786
5.384786215	1.472504827	0.595770143	8.860081182	6.561102013	7.838323821	5.287583427
3.538734346	1.816846534	0.789104374	17.12816465	5.020773944	6.367121588	4.507468328
3.032684098	2.662863924	1.093442538	18.30143316	6.519670211	8.984557773	5.04944364
4.401810683	1.543383118	0.760838818	14.25102257	5.773862429	7.528561455	4.418878708
3.534133176	2.408575025	0.897288662	19.7180608	4.600209044	6.129056443	3.924176417
6.302064681	1.228455682	0.354456646	5.207725877	6.814505082	7.565367403	6.372160392
4.862360802	1.487463575	0.551046219	8.456620317	6.314985284	7.385165844	4.759520755
5.742549903	1.279660555	0.457416726	7.003811408	6.370788387	7.700118753	5.03216393
6.031301205	1.461590291	0.647033747	8.272167328	7.763296045	9.260660612	6.327175151
5.820923907	1.397302894	0.505654802	7.157146187	7.111813623	8.366133575	5.750924114
5.728323895	1.285111052	0.417468714	6.312386468	6.675624803	7.45056566	5.348132523
5.176678609	1.830434733	0.950767734	11.48127396	7.858700461	9.645903303	4.438165549
5.960355443	1.422984119	0.519343081	6.64456069	8.044641538	9.991012375	7.016515779
5.112592826	1.436900547	0.497192084	8.221912873	5.64972118	6.417870467	4.20385454
4.446931843	1.42505021	0.34472284	6.010034288	5.622318633	6.055257971	5.050460143
3.285134194	2.286950083	1.097059609	20.44364762	6.029108595	8.236897474	4.790001641
5.628819895	1.232178794	0.285865456	4.557621265	6.343257416	7.385041216	4.963689048
6.423515615	1.23954835	0.444080965	6.101893651	6.704294736	7.730868015	5.323256888
5.215765014	1.302433891	0.400067643	6.700624288	5.995856359	6.583670142	5.374683235
4.238202148	1.977447139	0.888810227	13.9067318	6.303863818	7.675501515	4.447645419
5.71501057	1.21136097	0.319969212	5.083075102	5.981439855	7.013649295	4.886112564
4.820989144	1.2867515	0.37028136	6.724456193	5.140931064	6.265947805	4.067576058
6.029897204	1.375560804	0.423193457	6.003337288	6.896517223	8.191016141	5.809121334
5.110989319	1.686610917	0.642073023	8.241784487	7.711136143	8.640194972	5.710813393
5.409404076	1.509612858	0.495722312	7.231414013	6.881844271	8.140478589	5.736989888
4.759226188	1.425305323	0.5070417	9.576604301	5.456846544	7.179780398	4.87144631
4.643915694	1.499390086	0.640343623	10.3434813	6.32006358	7.195392762	5.072666081
5.542601133	1.282310019	0.378061554	5.960707826	6.259240136	6.924905514	5.210364632
6.490625847	1.453540401	0.659700931	8.116714863	7.774981831	8.566581054	6.312755407
4.454032806	2.054732273	0.891713508	11.8336919	7.682759401	9.658049134	6.131003036
5.185300188	1.306918406	0.347014533	6.136500054	5.621460331	6.538507539	4.782503946
5.576801237	1.357737836	0.471546784	7.226132574	6.60876128	7.667879027	5.789670854
3.893552828	1.215904138	0.177655483	4.391322916	4.168750962	4.676244775	3.889464349
4.529329258	2.060088959	1.209059415	17.60562628	6.406381202	9.840197342	3.586016935
6.046791493	1.451277882	0.658243611	8.926387147	7.207010972	9.81172131	4.971796401
4.746727188	1.45563358	0.540272588	9.304869951	5.761601415	6.775579945	4.462254062
3.93561128	2.272095106	0.944894122	11.85381783	8.240630547	8.944460059	6.606382147
5.592813603	1.466640294	0.761429301	10.8936625	6.744510336	8.573674255	5.722155228
5.583701206	1.329146418	0.410489924	6.041289047	6.56324113	7.115018353	6.00019638
5.10729257	1.588716843	0.591749217	9.339430241	6.364687256	7.931526212	4.350040337
4.40123555	1.742748479	0.847337566	15.10630279	5.596839909	7.442888187	4.459256919
5.131196588	1.2307466	0.283637156	5.036372407	5.927285291	6.308107821	5.623222018
4.580698609	1.700590075	0.710432497	13.00847348	5.506688083	6.656375125	5.031721058

4.938344249	1.231451085	0.248634105	4.553884241	5.55770864	6.278090881	4.901544245
5.263622947	1.424783215	0.547283633	8.134189711	6.574835723	7.585534469	5.347436156
5.429939812	1.35823916	0.482204143	7.355570389	6.584288788	8.281460058	5.04905687
5.160890067	1.497543893	0.669961946	10.119193	6.724348124	8.306660556	5.236460872
3.864608383	1.702632217	0.484380281	9.92903217	4.832135785	5.899346375	4.582268244
7.029079257	1.178685723	0.356993411	4.657205908	7.416824082	8.871223321	5.311181159
1.424120469	5.964559245	1.417843639	21.4039502	7.299331711	9.022970064	5.996356632
5.564839477	1.570211465	0.712880476	9.308768164	7.216883597	9.588943932	5.05329179
6.76388643	1.342829256	0.57685552	7.375939045	7.575612953	9.562772438	5.005736755
6.29334493	1.378875281	0.488587858	6.448790958	7.598452644	8.820548076	6.292184959
7.232825167	1.321544559	0.674228418	7.925993149	7.842801122	9.65402456	6.419492618
3.123557673	1.779177226	0.566573704	14.00404246	4.13936082	4.620012123	3.96305562
3.912211506	2.007966732	1.077004046	20.24785149	5.757602699	8.343315377	3.363292434
4.616962516	1.380799126	0.468278453	8.769360967	5.313228074	6.315575377	4.609085925
5.649323044	1.42205329	0.536230192	7.344920735	7.409875375	9.218634643	5.921008082
5.374187346	1.312670116	0.380632377	6.090428826	6.155385507	7.477546722	4.905153297
5.76237225	1.626756376	0.726642652	8.921099669	8.307292821	9.603250645	7.115867675
3.654297172	1.745151407	0.794089681	17.10176879	5.20410325	6.167636101	4.702717511
5.370178151	1.111903068	0.159545419	2.808731821	5.742363212	6.693577282	5.193873972
3.707064601	1.469681136	0.340922168	7.57284046	4.659517811	5.206938215	4.450663185
6.647366608	1.404565793	0.539148329	6.625392875	8.095977019	9.90664244	6.536553341
5.335751908	1.666447994	0.916148921	11.77855033	7.7148098	8.870847026	6.110303117
5.470278775	1.499114221	0.584551334	7.967104141	7.333935509	8.902393489	5.803148691
5.782410607	1.709766678	0.894766043	12.12254147	6.871940959	9.351161783	5.513752988
5.356656216	1.258330599	0.308670274	5.165430249	5.941629172	7.379893003	5.119576533
6.333881723	1.288667373	0.46469217	6.330286745	7.117897429	8.124651884	5.870664543
5.874500146	1.147284219	0.230991438	3.623232657	6.290745326	6.712423874	5.252771867
5.365202943	1.363060867	0.370904319	6.069159067	5.970844167	6.821216418	4.729573764
5.311332356	1.475732495	0.608600164	9.352492881	6.467766384	7.513780689	5.193171532
5.481206741	1.308050131	0.348736573	5.518778286	6.250165262	7.405948149	5.362174711
5.221424363	1.398652388	0.385459026	5.84677349	6.666155518	7.479152524	6.132199162
4.361151512	1.642026345	0.476783576	7.551110116	5.948193863	7.92943192	4.23052909
6.145924716	1.371650498	0.533019147	7.334820528	6.897561177	7.813062675	5.424301555
4.38931114	1.484969841	0.474914748	8.506823956	5.43527683	5.999864763	4.922578422
6.005587814	1.627876084	0.869861332	11.29465966	7.310010921	8.985588341	5.227061634
3.911278876	1.741258421	0.841530574	17.31391989	4.898787099	7.192448408	3.102449498
7.168936409	1.277828475	0.543964443	6.656072768	8.370957925	10.04151351	7.033253778
6.077069386	1.187971353	0.302491552	4.553555802	6.480601496	7.578112515	5.340466912
6.80956901	1.356751207	0.595149676	7.71530863	7.340383532	8.444826346	5.516466506
4.632741026	1.313841904	0.396353771	7.301433388	5.639577582	6.659893171	4.429016128
3.824151688	1.781176146	0.658458181	11.0458068	6.002477751	6.57529598	5.268475744
4.250845831	2.268149178	1.405693006	19.5887758	6.416554358	8.705005247	4.547421356
6.079878058	1.334388594	0.581860893	8.158545583	6.780512895	8.209371411	5.249614542
3.187816183	1.271361844	0.174759387	5.005986152	3.524394639	3.837015219	3.068745022
4.01523902	1.8454179	0.844990993	15.93714199	5.32067713	7.27115643	4.093738434
6.156853583	1.297991259	0.454896913	6.849571966	6.682385698	7.898295767	5.832956989
6.152992634	1.232515001	0.341964606	4.921059306	6.849890239	8.249455528	5.983114377

3.205730509	1.939822029	0.536767684	13.39356821	3.896573929	5.575401856	3.230660741
4.382153744	1.495854632	0.498047251	8.444278135	5.66229278	7.714398852	4.037354536
5.058371428	1.279265249	0.361027829	6.282723312	5.578563157	6.270602388	4.79855159
3.49505621	2.493188897	1.025368452	14.04364337	7.420169319	9.260460502	4.290036154
5.154132207	1.91751979	1.165347297	15.71732732	7.474963942	8.998356912	4.966728754
3.453802779	1.209307218	0.119317131	3.204832171	3.829293292	4.780097651	3.524203067
7.690476247	1.315051429	0.536112194	5.897949346	8.606669281	10.08622029	6.521706714
4.811414464	1.57861601	0.505065289	8.827045393	5.700393462	6.593241414	4.725842348
3.419913544	2.201675354	0.770377022	11.51768935	7.126257335	8.163959089	6.581028969
5.135625068	1.368134381	0.455852388	7.210056176	6.297177017	6.898754689	5.354252237
3.074846684	1.330410186	0.213533335	6.028536537	3.577156781	5.166713613	3.168028279
4.453200858	1.343898969	0.373089259	7.325859967	5.170262639	5.979434449	4.632282902
4.49853278	1.408045946	0.410327196	7.914710716	5.391420202	8.409433327	4.351661059
6.771952273	1.388632191	0.618916627	7.528080182	8.017860591	9.759382429	6.209998623
5.227270741	2.387495047	1.646101533	17.32628023	9.012974282	11.30738537	4.737436684
5.450089633	1.303312221	0.375722906	6.025634024	6.191666495	7.361378814	4.728340086
5.210129504	1.412275634	0.541945273	9.031310923	5.853867043	7.066106207	5.384194314
5.184852436	1.268561308	0.37427299	6.325663375	5.767331507	7.340600645	4.16778301
6.672805074	1.2483091	0.441688541	5.812111334	7.379643088	9.001014925	5.484348189
3.249700144	1.704528537	0.487775103	11.49852933	4.506432895	5.272944859	4.224981361
6.093804721	1.366805496	0.57260033	8.111892542	6.803208582	8.201965223	5.713340098
4.508121414	2.733142361	2.418041404	33.14163199	6.101899116	10.08320343	3.221962104
5.423433132	1.501234623	0.63218956	9.515591282	6.079291973	7.81097601	4.419691882
5.473323245	1.265547757	0.289588611	4.855001409	5.876943148	6.792040353	4.453899549
8.069588953	1.178383712	0.367154749	4.184894288	8.808524866	10.39708762	7.223284867
2.851376728	2.734917191	0.95802029	16.78206021	6.49158697	9.2834948	4.840175277
5.916108237	1.250003865	0.40090627	5.956987844	6.7464452	7.865773782	5.937986646
5.939100494	1.29906929	0.419520661	6.096899249	6.773205894	7.237618004	5.871057895
5.996788941	1.239554026	0.333300643	4.996463847	6.476995306	7.546442583	4.743402659
4.648618676	1.427386296	0.504524534	9.533627539	4.999239392	6.536959736	4.156807745
6.898666069	1.409254694	0.675116548	7.698091674	8.245117526	9.203126664	6.284084327
5.67550127	1.19094125	0.292281916	4.665351574	6.220489553	7.018262649	4.763818837
6.021194752	1.257431386	0.396364776	5.749655282	6.676140785	7.194464287	5.956348527
7.807306161	1.261941935	0.621083459	7.178905735	7.999674086	9.527393291	6.336420973
5.606271206	1.334065033	0.429277374	6.340320983	6.762908539	7.9456817	5.710411313
5.477756378	1.660946659	0.711168345	9.135591634	7.657951773	8.438975885	6.843379157
5.829321454	1.208891562	0.360296488	5.525305153	6.52018241	7.769642592	5.611193983
4.610262253	1.812875972	0.849493977	12.45578381	7.242585247	8.612767246	5.071915462
5.54182068	1.317083036	0.393412612	6.039315649	6.396101882	7.235705507	4.578429755
5.177208899	1.206889478	0.242574595	4.353387565	5.521670787	6.351687122	4.320140737
6.525978265	1.324739037	0.54781341	7.183854251	7.305020476	9.155032246	6.198113812
2.829649647	2.096867986	0.846802797	18.65265808	5.095242622	7.463774255	4.172054612
5.780855837	1.257559625	0.340580422	5.323777954	6.161379901	6.809196706	5.409313631
5.356557444	1.545985842	0.671953526	8.952955462	7.589860087	8.968477181	5.871794319
5.734494118	1.270625348	0.38249896	5.858272334	6.359487569	7.89146781	4.96893213
6.371576084	1.402025861	0.634106792	8.235368966	7.612533532	8.644975637	6.293866281
4.463697659	1.392511675	0.436289366	8.113823616	5.329720172	6.083789338	4.415472837

5.731471777	1.328634983	0.407425264	5.988715523	6.658362491	7.870299426	4.775255964
3.476307599	2.085967234	0.816209055	16.54045224	4.964306644	6.598922705	4.089706202
4.437111637	1.705049432	0.739193099	11.89770683	6.421805397	8.722995178	4.422343466
4.880823306	2.049708636	0.993969155	13.18765568	7.117315298	8.554341199	5.827265805
4.725408165	1.319569991	0.34085256	6.505160296	5.312490954	6.277552387	4.8691163
5.64285911	1.26613679	0.374533554	6.024836772	6.13579526	6.779517319	5.015751603
4.55628454	1.514903004	0.500170319	8.952490052	5.778829049	7.346117994	5.055840692
4.417557537	1.578838566	0.525068005	9.184520473	5.968991249	7.154135609	4.919603041
5.750359451	1.346849781	0.440207573	6.888177764	6.430183292	7.923303358	5.419450743
5.374094751	1.307599133	0.326015935	5.274282691	6.046706634	6.917286605	4.849942158
6.69974155	1.569012284	0.757463701	8.417234608	9.07393881	10.27623101	7.380940329
4.715879561	1.47504197	0.493884402	8.171231665	6.32856344	7.340950266	4.877590552
4.709093645	1.646867091	0.581960053	9.105971621	6.572016845	8.238280364	5.071624093
4.74964117	1.419289669	0.414639178	7.612318234	5.501356407	6.545697688	4.230681728
5.627524203	1.759842713	0.829147086	9.858736456	8.38792462	9.312958192	7.315640945
5.823924534	1.401972193	0.654095957	9.491561183	6.686811343	7.418815049	5.60184683
5.536323108	1.307781948	0.366833195	5.812628666	6.034450473	6.798071716	5.510403496
4.686635575	1.297453267	0.36516131	6.823302166	5.20173675	5.847495007	4.611893684
4.832432092	1.425668472	0.442570143	7.821339939	5.502359939	6.410453251	4.094706506
5.158077549	1.36904032	0.597460538	9.738539394	6.277307511	7.034172595	5.321878152
4.970785367	1.302082574	0.34423812	6.097817069	5.772911057	6.599833449	4.974733919
5.00853353	1.468243172	0.528179544	7.99815771	6.426358849	7.65522997	4.94470218
4.768188431	1.548731082	0.66446089	10.94815106	6.390478619	8.052496338	5.620202207
4.333475351	1.423560438	0.426763041	8.14504491	5.262407827	5.947206953	4.383254741
4.688750642	1.253633172	0.313289586	6.293862767	5.308572666	8.075977529	4.632030274
5.941200245	1.16690051	0.256081613	3.949839899	6.346665508	7.410708816	5.428571578
3.96106973	2.211332933	1.308618714	20.86609796	6.175015837	8.641801747	3.843557422
5.018799919	1.400843987	0.441769363	7.077788087	6.148433273	6.877858469	4.650034534
6.214495531	1.414078957	0.643124417	8.499636231	7.353662368	8.401011841	6.167415002
7.310463912	1.395639043	0.601630668	7.027660127	8.080304285	9.150771097	5.766166673
5.87894501	1.310360018	0.418835273	6.026610495	6.761955646	8.052980192	5.652381794
5.429255234	1.805785813	0.840187454	10.01696162	8.111318915	9.074749129	5.798445431
6.104062151	1.222880406	0.345891401	4.980838854	6.897952937	7.810573663	4.867339754
6.447994618	1.428001721	0.727559862	9.205619209	7.86167291	10.05119003	6.559735704
4.780416718	2.223253829	1.772890444	22.55906937	6.51839291	8.739840565	3.814554433
4.221532446	1.589892474	0.495217803	9.752308214	4.917443907	5.986891851	3.972391428
6.536893717	1.398060104	0.578434422	7.000048483	8.257312741	9.455413619	7.002340075
4.039098337	1.695469046	0.541782932	8.987358765	6.166848706	8.255915529	4.398280952
5.625052796	1.348395866	0.430044076	6.424001261	6.652627226	8.052713129	5.309141627
3.69946942	1.985361427	0.773390095	13.44751741	5.45429335	6.324367506	4.650498857
5.421931457	1.276669635	0.387432442	6.514698997	5.943639568	6.695382247	4.538163323
4.72282894	1.491228063	0.491438178	7.446703186	6.47294451	7.332577097	5.408621621
6.05450948	1.223491971	0.313063339	4.510515399	6.993936787	7.575417825	5.74876435
3.833132906	2.263350879	0.979345199	12.88832044	7.365364117	8.825018857	5.128299965
5.870197743	1.330480152	0.439797067	6.304488348	6.779595191	7.661775901	5.309493468
6.100159068	1.488294375	0.708252598	8.855613115	8.167107016	9.388047029	7.163424047
4.581366959	1.866854932	0.710383761	9.829599802	6.944276132	8.410467568	4.52952553

3.57222521	1.252975152	0.216973062	5.164237059	4.402029692	5.400330785	4.152769348
3.384274564	1.655667508	0.4016015	8.339911673	4.693512765	5.345228423	4.137340941
5.395066462	1.576900286	0.85285685	12.51407755	6.125523651	7.326659209	3.649823176
5.199760395	1.650074923	0.710665404	10.6922948	6.283243981	7.050499131	4.494125441
6.592268974	1.489468934	0.755705297	9.390328413	8.01289597	9.470903342	6.246575794
7.018722557	1.311958938	0.434395875	5.213746865	8.158644729	8.945977843	6.191537713
6.97967262	1.679054642	1.335271985	13.76965922	8.491070234	10.27710308	4.419173113
3.191748593	2.037194614	0.86893462	20.60623104	4.104277268	7.428693793	3.084689891
5.392675458	1.465552299	0.579286207	8.515970324	6.885343357	8.349392175	5.753399712
5.266054824	1.464037492	0.491462045	7.549376788	6.609823966	7.553917899	6.082714755
6.312418934	1.330318541	0.46378422	6.310629196	7.232720669	8.765553661	5.936784846
4.974130326	1.533346219	0.45537383	7.575502646	5.910441377	7.877438253	5.375961921
5.134122919	1.430170423	0.515964858	8.205128455	5.671258875	7.640096027	3.885645646
4.936043807	1.571907711	0.567169266	8.317509293	6.866722501	8.579058248	5.453334058
7.600244589	1.402171222	0.638139392	6.727265171	9.391637307	10.32019126	8.314461892
4.32548981	1.402799697	0.363418019	7.272213689	5.153137508	5.909380481	4.708714945
5.980041284	1.229970237	0.439393933	6.555716152	6.634943996	9.02416999	4.046241947
7.278985363	1.260824592	0.499848426	6.165850113	7.670107924	8.953889425	6.389722703
5.36231276	1.220170835	0.328002001	5.425645714	6.153904563	6.84667986	5.090429269
6.45256326	1.249851452	0.343377387	4.654002486	7.34573596	8.107125543	6.654367087
5.010643533	1.667397707	0.802468333	12.01239027	6.495019995	8.216385717	4.795751915
5.088342743	1.433696766	0.588325784	9.780713595	5.99875705	7.016288353	5.055954507
6.137476418	1.335142269	0.475431049	6.814468724	7.052651465	9.257098587	5.663999686
3.846773568	1.540257228	0.353045636	7.025684206	5.20855408	5.649328208	4.92811977
5.903770467	1.630117098	0.940305534	11.97285503	7.510796801	10.32967862	4.876756072
6.357140291	1.480993686	0.868477946	10.50463858	7.983348935	9.725669584	6.286595905
5.14814262	1.228248255	0.266727985	4.722568463	5.597900239	6.346907891	4.863484573
5.918445212	1.386659857	0.498152697	6.637881644	7.292884631	8.484547398	5.462418688
6.294079587	1.372697934	0.46239635	6.768861167	6.990117349	8.117416872	6.255470503
3.906029089	1.83763311	0.719693386	12.93789054	5.702285976	8.134398972	4.59435849
6.016550818	1.734113188	1.27842812	16.03153434	6.664698593	8.476899028	3.516217726
7.402179353	1.33208797	0.6689358	7.623728511	9.030667645	10.3869338	7.788924759
5.355094353	1.397919537	0.529795768	8.135943313	6.464960745	7.706574252	4.893356192
6.141541703	1.307560207	0.455544294	6.556246992	6.898813354	8.12006685	5.62587032
6.991752779	1.475058156	0.779658388	9.049123004	8.144109074	9.720888519	6.883446325
3.958443466	1.208517203	0.160471517	3.667257401	4.463166063	4.950337433	4.037656954
4.192067678	1.191729732	0.17014413	3.739604642	4.590187492	5.111525852	4.116168912
4.34441263	1.259587216	0.259489818	5.497966287	4.8335895	5.813998796	4.190240405
3.129870642	2.052556075	0.571132098	11.13598431	5.259016449	6.29892775	4.892258873
4.875700103	1.557563511	0.530872918	8.184588221	6.594712351	7.717812197	5.668390275
5.619637258	1.528368213	0.878761708	12.05921153	6.571073145	8.051628015	5.0675709
5.971314905	1.305557601	0.360944151	5.06792492	7.140611787	8.211179536	6.02547221
4.275134654	1.432373084	0.448512839	8.873663083	5.184552577	5.989463322	4.638528814
4.411813362	1.601583772	0.63043617	10.64327909	5.620936735	6.747825903	4.633454281
5.188678101	1.356742711	0.44467451	7.449537002	5.608584316	6.208899531	3.775346437
4.548352098	1.367281003	0.499998579	9.329379879	5.440921755	7.354961605	4.394205381
5.814757471	1.452050238	0.506601017	6.846950497	7.389769435	8.318939458	5.938777716

2.646222706	3.479936825	1.573688742	29.32421687	6.133995508	9.226432968	5.201175444
5.732795548	1.779148002	1.055135255	12.49586637	7.385027894	9.456948119	4.847894915
4.793468209	1.613700302	0.639182696	9.467296963	6.972790692	7.611118651	6.213268698
5.757052226	1.412842828	0.586865567	8.464892001	6.832595857	8.714938837	5.17328371
3.528513735	1.382087821	0.312787691	7.958116982	4.024239518	5.889180599	3.319849291
5.195803666	1.802507109	1.208892615	17.94032791	6.215084099	7.55454223	4.549571097
5.818426533	1.225245779	0.242505803	3.708479545	6.297217912	7.038573657	4.677650412
5.61517343	1.976955561	1.266746912	16.85869736	6.728613534	9.836199699	4.757470963
4.150128876	1.603554637	0.556077027	10.34090758	5.305203822	7.690514575	4.338667595
4.543841337	1.404151721	0.402955285	7.461228597	5.490394346	6.42370971	5.006356393
4.215756179	1.799365995	0.61720372	11.61807401	5.11251602	5.870779912	4.41808196
5.133543985	1.315445344	0.404352918	6.527952278	6.091110372	6.790369796	5.636304911
6.254564772	1.380042025	0.534663292	7.168232384	7.295842059	8.669230498	5.057872142
5.004816793	1.57462936	0.581772821	9.613767901	5.905035532	7.194750954	5.170127077
5.509825102	1.332930018	0.405509301	6.417791263	6.29640168	6.867654326	5.902292777
4.130867024	2.063809731	0.93278705	12.9805312	7.414541021	8.827850082	6.165668423
3.21126289	2.779992426	1.124478733	15.96594074	7.345604598	8.821563943	6.227075483
6.048835895	1.430708872	0.689675055	9.939780431	7.132569846	8.282820823	5.693985601
0.681701206	18.60262236	2.135454133	48.88962584	4.408187051	10.21161719	3.403958186
3.218579583	2.372914756	0.835408687	17.86519554	4.764961716	5.862852544	4.52916775
4.551079224	1.518263966	0.541974497	9.013184743	5.527727806	6.674756015	3.997213794
5.164326282	1.258905159	0.360915648	6.149206667	5.773492481	6.846981208	4.362011333
5.535036252	1.604236279	0.866349835	12.20132535	6.477224371	8.356219742	3.915531415
3.966590888	1.282757009	0.249349053	5.95139853	4.156021322	5.064591442	3.840019799
4.521030432	1.498136352	0.584082132	10.14801214	5.314771707	6.071125201	3.969238086
4.996657433	1.18723967	0.213755131	3.88205413	5.569241613	6.379397855	4.827394858
6.50899029	1.319252715	0.463732073	6.42856887	7.12301564	8.448329812	5.549312651
5.14667203	1.252326334	0.359612381	6.389357342	5.768671497	6.765597944	4.73029636
6.863292895	1.512812764	0.895025598	10.18282852	8.329000744	10.15573641	5.841505551
4.240102053	1.50560291	0.487176416	8.660812066	5.592163759	6.673291585	4.262094781
6.074165077	1.466624546	0.642062709	8.763325467	7.143495756	9.318312607	5.699193672
4.748610643	1.562949247	0.702053107	11.54333986	6.033557869	7.847076624	4.483162339
5.478574144	1.382731129	0.418988373	6.052541604	7.073481001	7.904185196	6.265796173
4.937059742	1.329050789	0.395206936	6.813520929	6.120110478	8.367375122	4.941986458
6.044047648	1.230685733	0.369038846	5.478866073	6.631277346	7.368171043	5.683047234
5.975739687	1.192736726	0.258509352	4.022324428	6.283448781	6.999179391	5.548098826
3.154135257	1.383431533	0.260565005	6.484947924	4.154222705	4.477157727	4.005643307
3.857460795	1.756121495	0.649323075	11.21775262	5.662852342	7.268350569	4.043209849
4.370841782	1.54580667	0.572962373	10.34489039	6.262015753	9.645181645	5.667309448
3.214711956	1.938190723	0.689915214	16.88491297	3.997995334	7.177720538	3.44314459
5.748445459	1.91313554	1.146430107	12.83858485	8.220929483	9.080576408	6.42189589
5.299197065	1.279846755	0.337561481	5.48835429	6.123607758	7.044853738	4.643896329
4.697548866	1.292860847	0.255251549	5.041072202	5.240485677	6.534958865	4.738646639
4.830458249	1.114094664	0.146888183	2.878082145	5.082944645	5.581050909	4.508513138
3.854349723	1.836438379	0.648558491	13.44437561	5.005214936	5.985740161	4.494540666
4.254367162	1.60514136	0.488957341	10.60195735	4.519095235	4.869121385	4.412749543
4.884535029	1.302998735	0.380418714	6.514832169	5.812423888	6.280889751	4.654735271

3.151745657	1.584624378	0.347994447	8.529539898	4.206346408	4.828164102	3.999315025
6.18765388	1.223848886	0.360778298	5.120627789	6.904284709	7.623579849	5.826735274
7.253855767	1.250294051	0.473302743	5.878389064	7.660645146	9.537406632	4.984794724
4.959859791	1.557738076	0.585172544	8.506798551	6.717581894	8.109912633	5.597498296
6.061902474	1.38092949	0.482306222	6.909704144	6.739668219	7.738981574	5.581967605
4.600758331	1.585547958	0.518142654	7.940606395	6.18988525	7.519098893	5.060249106
2.934208462	1.952521371	0.531866726	12.69277668	4.114690943	4.766955063	3.878108965
5.056788503	1.358043269	0.375809742	5.874189624	6.346650184	7.268472011	4.837659884
5.692944456	1.286046395	0.385057357	6.117828819	6.147622981	7.490260485	5.123252174
4.2267122	1.358854776	0.385057814	8.5225534	4.446704524	5.418100582	3.956888353
4.580527809	1.386587292	0.410590041	7.42445325	5.39297402	6.155919253	4.194506733
7.720147839	1.374890032	0.753954581	8.161765361	8.824584367	10.45663157	7.366379346
3.865309575	1.312770875	0.24695826	5.440547785	4.581360482	5.43925373	4.388370143
3.974759725	2.095222384	1.370483538	24.09453425	5.417182717	9.036514565	4.625129115
5.158007991	1.503304672	0.66078659	10.56137659	6.589006378	8.283111248	4.583844751
8.409844751	1.397923131	0.861019057	8.226348648	10.05050477	11.98055652	7.87828002
6.349013544	1.470487968	0.626339287	8.09766862	7.124434579	8.499712806	5.657908401
7.480754167	1.252673746	0.410963105	4.893431151	8.103076595	9.160924742	6.431181771
5.526928576	1.355829742	0.504381547	8.084342698	6.177066859	7.220095573	5.65330402
5.348028144	1.290071147	0.406761774	6.65581773	6.254591305	7.935927898	5.058813001
7.685101177	1.41763868	0.873781296	9.824229373	8.286055569	9.939790652	6.968469904
5.152587643	1.773609965	0.959931263	13.34824767	6.478066496	8.157198926	4.15533033
6.81973193	1.495701245	0.76679497	8.638970901	8.877310563	11.11420939	7.588333647
5.705538998	1.251946831	0.367860429	5.85746056	6.349665959	7.347824978	5.247350011
4.482582037	1.684186829	0.647114811	10.38674254	6.259827052	8.326922255	4.222824021
6.426908948	1.35623249	0.482172399	6.130132838	7.570732153	8.490326402	5.487112875
5.414342545	1.423252827	0.408737424	5.988780128	6.853510473	8.113388714	5.759496658
3.52743122	2.142729039	1.149948833	22.3567041	5.282310411	7.473685932	4.081595993
5.626253324	1.473493314	0.723867564	10.14306434	7.422699576	8.466503255	5.570300861
6.082048365	1.279566335	0.456685598	6.67605614	7.064403685	8.511034224	4.748476562
4.778996492	1.483152478	0.519349376	8.231184585	6.516421822	7.477458401	5.416513162
5.412399811	1.573384999	0.69399302	10.23730623	6.892066718	8.027310583	6.158945303
5.897489743	1.380989676	0.497324036	7.35559769	6.819778132	7.730249985	5.75203085
7.530936056	1.527766823	1.17952802	12.13241969	8.75284918	10.36931511	5.139634563
6.262055376	1.287083888	0.484543135	6.733757948	7.226763977	8.797223093	5.09509706
4.089927677	1.286274665	0.219792898	4.572277037	4.87074923	5.803697186	4.663700179
5.869816037	1.706802031	0.777691402	10.98955026	7.100461848	8.385459806	5.736587592
6.339438833	1.220291166	0.375595033	5.400688488	6.746982568	7.955966091	5.501022641
3.956345234	1.787606009	0.748382641	14.58079434	5.4965843	8.387198012	4.35114253
5.026049718	1.712541236	0.641151202	8.54295656	7.326645122	8.614559597	5.91234905
4.962470906	1.33840161	0.394111077	6.98524273	5.433688944	5.876828452	4.311136239
5.824991686	1.303439475	0.503858447	7.397189899	6.533876084	7.449661519	4.646066236
6.381062153	1.253655897	0.401419685	5.770677169	6.509395469	7.773804003	5.316096685
5.840354662	1.645516135	0.874721693	12.56539287	7.182155414	9.565580168	4.642891783
6.387903755	1.251412002	0.406253221	5.704518048	6.766641917	8.511279884	4.727550385
8.82105395	1.180623267	0.358339702	3.791363199	9.090448349	9.979097802	7.678111403
2.102268748	2.588125158	0.617582511	13.49853246	4.83698025	5.166643655	4.573807983

4.708365192	1.617017725	0.719509485	11.75855061	5.660835146	7.639453791	4.842794534
5.019022067	1.294656339	0.35862991	6.469049739	5.493250524	7.374718004	4.192912653
5.560857199	1.333924469	0.470925064	7.005191737	6.533723526	7.673483899	5.055835352
5.120516289	1.317925603	0.443243608	7.509476611	6.352276505	7.84442597	5.356426865
4.736534663	1.609557137	0.643752028	9.905647658	6.829655063	8.197339309	5.455932888
5.736383126	1.464743167	0.676183662	9.716260564	6.857099444	8.816862502	5.697062352
4.210259429	1.391217415	0.343978151	6.767994373	5.088533609	5.586348927	4.633808068
8.428292763	1.156857399	0.282152807	3.05991646	8.917733827	10.13411169	7.390357558
7.342145512	1.168913047	0.324146213	3.989722555	7.949752835	8.756854774	6.481831734
5.211546698	1.42640219	0.496435152	7.224748732	6.893727105	7.916132855	5.692148119
3.186648763	2.352820509	0.792606621	15.51268647	5.248646669	6.12929196	4.882201379
4.575290135	1.365850171	0.449478519	8.523015393	5.112334558	5.642668971	4.450242346
6.126098199	1.253502042	0.318232823	4.7651537	6.528843419	7.481896183	5.052738695
5.871326694	1.583517042	0.840001772	11.54318327	7.187735155	9.004347446	4.564904829
5.211319931	1.587371656	0.749876197	10.17519415	7.450731356	9.467336718	4.188494143
5.542495036	1.360514045	0.560974309	8.654308892	6.310546764	7.541315815	5.014331921
5.744711996	1.658607473	0.896490397	11.81240903	7.910133234	9.655486106	6.653993431
6.328463873	1.598585134	1.024290016	12.33073468	7.311403842	9.022768813	5.163307927
3.886382543	1.738716111	0.725114708	13.4595488	5.307852547	6.120489666	4.345035095
5.736994704	1.21779518	0.245823173	3.821252186	6.362333512	6.866618293	5.687781952
6.155086294	1.274902865	0.41760489	6.297937823	6.7112551	7.993814723	5.562073542
5.904043448	1.499240182	0.690804619	9.729485635	7.164585065	8.004085413	6.193389148
5.866306997	1.24962117	0.349505085	5.346305662	6.515203449	7.484967576	5.734684211
6.293770357	1.311317867	0.481855415	6.714115938	7.121772599	8.477431291	5.685212019
6.027666221	1.411880235	0.628854065	8.454249023	7.136942257	8.936009654	5.003170769
6.388280563	1.26467756	0.497874176	6.654045427	7.460188375	8.743496825	6.470202367
4.930485751	1.362474331	0.466170183	8.322111337	5.697584734	6.570027805	4.687127824
5.675671704	1.700427847	0.723942329	8.953968062	8.16488148	9.158113209	7.135012404
5.473568889	1.697740399	0.905442904	11.90128566	7.509089195	8.770193784	6.312395561
3.903985244	1.433989974	0.376618994	8.566214437	4.483494946	5.094610328	4.153135169
5.199136919	1.448408721	0.609760426	9.622209737	6.570896336	7.804037882	5.726606256
5.022747461	1.40216784	0.444071435	6.945277621	6.285822005	7.108604326	5.231079871
5.891322441	1.21820801	0.319927953	4.904670414	6.441199974	7.4549672	5.439506783
5.585382566	1.802770316	1.056313971	14.46685553	7.165162891	10.12944158	4.055565266
6.059717699	1.297362593	0.389354761	5.7997065	6.638368288	7.40333518	5.396783195
4.579925009	1.483640473	0.477954786	8.053936185	6.130309173	7.53050325	4.886497361
5.888405718	1.377197058	0.671173057	9.704308479	6.6350088	7.622165643	4.732740113
3.789164464	1.62125985	0.502811208	10.49351246	4.821577299	5.45210158	4.576552622
5.580826337	1.495958544	0.649170861	9.311159261	6.592065718	8.335622444	5.575905677
6.37935396	1.334998618	0.484613604	6.691884648	6.899609059	7.953155708	5.297031769
2.767316058	2.122249307	0.576871958	11.22277508	5.366298343	6.145871089	3.99714131
6.167673923	1.378306656	0.529257374	7.312830314	7.182892739	8.559756257	4.064216966
4.963035364	1.205019137	0.277325236	5.194186502	5.322135336	7.28907482	5.003938995
6.255444683	1.295050931	0.391148338	5.460880034	6.984358283	8.375571301	6.274599178
4.644757055	1.667551147	0.679678457	10.22843898	6.406540326	7.612943229	4.743648218
5.302282349	1.549913878	0.562251468	7.614561801	7.395818757	9.317072735	5.443490349
5.541281533	1.337535229	0.461334571	7.457259775	6.097672081	6.701407123	5.657067685

4.379077967	1.748823326	0.733637278	13.19321587	5.9892271	7.509332339	5.168885518
5.601905142	1.4731846	0.661052156	9.371633129	6.342152125	8.559871105	4.490477985
5.338363574	1.537100961	0.64862349	8.753135208	7.422366506	8.593669825	5.973335895
5.015569684	1.38803571	0.459089674	7.63304021	5.804652481	7.210978801	4.566795101
5.693400481	1.298684461	0.339841296	4.894819269	7.095324853	7.736944463	6.328412284
4.794203275	1.45619852	0.469846896	8.35108588	5.617156761	6.825124467	4.692445541
6.974956144	1.615279959	1.096990331	11.58287135	8.647334129	11.8051641	4.747184876
6.10981708	1.334407281	0.497723262	7.111159803	6.866031896	7.788677601	6.139137191
4.7544973	1.321444912	0.358487415	6.507912719	5.777257608	6.543056656	5.440246723
3.060556837	3.553170742	1.723644623	21.71460705	7.436487469	9.6170646	2.214010557
3.876334917	1.203893843	0.233372538	5.661836885	4.304205672	4.58219671	4.096001581
4.865176115	1.556867849	0.689202221	10.53214777	6.632289869	10.31980401	4.93684352
4.064261622	1.360235603	0.260709978	5.786861562	4.57921738	4.971256646	4.322127277
5.62938554	1.160505833	0.202441964	3.292486395	5.882047395	6.494258748	5.102996178
4.835723238	1.564955725	0.556105532	8.533212868	6.482771863	8.564683082	5.52752681
7.212554686	1.261553611	0.49266016	6.086868786	7.647117642	8.895847674	4.499018087
4.728977889	1.285689245	0.327829202	6.185586587	5.35267556	6.260340738	4.666970901
5.169552065	1.657257553	0.882758741	12.62077727	6.640798165	8.554214771	4.566780785
3.742822514	1.903217767	0.756530865	12.30244763	5.931635416	7.437236468	4.943886771
5.895104551	1.353489022	0.458945456	6.494112516	6.861002665	7.752930658	4.951522967
4.540823168	1.543855614	0.554378309	9.276730847	5.611063666	6.913936528	4.351811077
4.789058985	1.406024608	0.508133731	9.157773087	5.391151424	6.56883785	4.541656974
4.924906228	1.486924766	0.524972827	8.43798185	6.074976614	6.765633348	4.783011824
5.091671634	1.564572708	0.591788674	8.816732496	6.672527081	8.329930425	5.8686667
3.874296961	1.857302149	0.967617944	19.01553392	5.49030482	8.177368611	4.512691332
6.996458154	1.320809523	0.532700971	6.791610582	7.862541393	9.607244066	6.006006903
2.709001493	2.780716208	1.401227441	26.96398102	6.000717804	12.07960841	3.902465223
5.469453425	1.26620435	0.344256844	5.681361012	5.756023995	6.601480638	4.518528401
5.235807473	1.332276175	0.352119947	5.673161998	5.943004219	6.874632287	5.085982858
5.997936433	1.2810634	0.336142816	5.291361014	6.0073879	6.899901388	4.843622372
5.53143411	1.413600982	0.457555854	6.511649487	7.085511142	8.381519637	6.185226346
3.669183328	3.067384357	1.825040634	32.03182016	6.214334657	11.10683716	4.128994686
4.987920663	1.569166209	0.651229766	9.426142016	6.54530008	7.727523682	3.492568131
3.504489739	2.373263102	0.849672873	14.98249972	5.537889111	5.908333093	5.093880136
3.661157321	2.264148869	1.035860721	16.71944628	5.239591781	7.564154914	2.684649737
5.714205809	1.570454263	0.801378945	11.08442152	6.606782203	9.682651836	4.231381239
3.862912292	1.254970953	0.217019837	5.114274808	4.155064733	4.448867878	3.5549024
3.673276513	2.497516753	1.30670483	19.63248823	7.068539239	9.500106648	5.039782432
6.705522375	1.337470893	0.457399619	6.052698951	7.765036857	9.62133195	5.970680863
4.197714083	2.130024938	1.179963979	20.98418054	6.147268777	9.759739153	4.914705762
5.975664856	1.370967597	0.52325298	6.886109423	7.542230156	8.709160419	6.299045612
3.181052362	1.846519382	0.545028018	13.13264026	4.470959323	5.377881973	3.99579003
5.948505903	1.542159106	0.697086455	9.493314887	6.985591988	8.359149211	5.113929083
6.721927469	1.416336877	0.539130186	6.53683121	7.890736246	9.443493505	6.429036559
9.473667832	1.20014641	0.394423211	3.676914793	10.73368726	11.6047292	9.586790816
4.313920416	1.359551495	0.314134064	6.348048052	4.932834378	5.78489874	4.035740909
5.129623503	1.617603235	0.710162648	11.3131449	6.291952917	7.400650519	5.194275969

5.088747579	1.392278544	0.450535487	7.481252839	6.242372883	7.149182533	5.538860872
5.902356934	1.401194357	0.690635302	9.726991618	6.813194556	7.755628776	5.31204841
2.865342723	2.346270584	0.703307336	18.46729932	3.926789269	6.711108867	3.404806098
3.358104653	1.447771903	0.296638545	7.402866379	4.139322664	4.396946462	3.857759433
5.752368214	1.356646723	0.506844303	7.668539883	6.722663795	7.816718823	5.241869264
8.267907307	1.336456569	0.624873641	6.350272004	9.433757004	10.95621293	7.37150543
4.242114606	1.310862965	0.335690186	7.241197329	4.880211521	5.610719149	4.615455369
5.690708175	1.40456695	0.561218749	7.975002541	6.783075418	8.123182652	4.819300705
3.022777101	3.054493843	1.134930101	16.28874921	7.097789952	9.012619716	5.110274362
6.268821106	1.475840284	0.745416325	9.513829196	7.653737237	8.783733745	5.514402638
6.753909142	1.286112014	0.515303409	6.800480537	7.37336773	8.243381381	5.78637512
6.376997284	1.485632271	0.751151533	9.628581049	7.406155486	8.681034768	5.57513077
2.747196854	1.800518063	0.420647615	10.02992663	4.283147392	5.216181198	3.925108957
3.979012905	2.271354206	1.055541329	23.11651183	4.556929702	7.170296584	4.055724464
5.416265546	1.235953905	0.399023782	6.621654504	5.839304431	6.768152907	4.721401049
5.480402228	1.30167898	0.478273911	7.3526922	6.6061251	7.5514472	5.535092252
3.798941202	1.379053472	0.295879104	6.798855874	4.46033862	5.220726649	4.22302987
4.985232893	1.269133099	0.303685555	5.538640153	5.505207635	6.3976368	4.445295569
3.966769006	1.950903777	0.879105708	15.74418227	5.986530884	9.222729569	4.978227672
5.258609732	1.204677433	0.276656786	4.939194211	5.676339445	6.553787122	4.918461506
2.824060219	3.17298096	1.487393198	25.04531554	6.349534699	8.330225845	4.024014678
4.878715204	1.947269574	1.032073386	15.0506182	6.817151179	8.6989327	4.902371494
4.462674039	2.040814169	0.985500494	15.11644969	6.14817087	8.596337107	4.728291758
4.953145901	1.60778737	0.622194385	9.448687588	6.330340175	7.822459417	4.849420931
5.351983087	1.504743395	0.646206276	10.00209061	6.992521159	7.842691579	6.158741682
3.205981647	2.694770111	1.486593703	30.48764614	5.330454205	6.586716818	4.792961091
6.176543545	1.27714512	0.48570099	6.918990296	6.587258211	8.569678018	5.133232627
4.263267109	1.829468714	0.866921536	15.16326922	5.326030446	8.288097388	4.010442523
7.614220141	1.342660689	0.600115401	6.656142296	8.58656122	10.4149728	6.668218409
6.730621228	1.36524749	0.623595426	7.369551422	8.269437516	9.812689321	6.659223991
4.411361944	1.722135355	0.746275514	12.80141959	5.109403692	6.423285102	3.797336504
3.986478962	1.767391019	0.669138427	13.11586411	6.058455792	8.593810916	5.268564832
5.064140164	1.468669761	0.673607867	10.83641844	5.612099691	6.636396433	4.71917089
4.674913026	1.255029197	0.299018786	5.598163758	5.389095402	6.02320884	4.826941881
5.609498539	1.398612786	0.424724596	6.236812485	6.50740223	7.295028868	3.985049728
4.950714348	1.421802539	0.467616555	7.897923692	6.016221055	8.335178934	4.351526684
3.034499587	2.371616292	0.783942355	15.93859367	4.872639246	5.580807326	3.992504141
7.390305234	1.804355758	1.253034741	13.25553277	8.176690262	10.67701955	4.712317374
6.26514108	1.539793753	0.886583171	11.16804622	7.421135654	9.613103096	4.267026067
4.842812584	1.380030674	0.405709305	7.135121645	5.512998054	6.324496938	4.408788491
4.308692251	1.405691021	0.352783793	6.915697126	5.162976297	5.7143745	4.78851852
4.075873473	1.532614686	0.403856455	6.919918661	5.618430472	6.39557823	3.933363588
3.127605033	2.880199272	1.266022061	29.2722089	4.563874596	10.26180331	3.819854762
4.153833379	1.719803766	0.509378511	9.49499333	5.169561551	5.799975841	4.849546455
4.780718006	1.820304077	0.82551164	11.23898036	6.452810382	7.457274336	4.037968189
6.97189208	1.276119462	0.465717748	5.760051896	7.827824727	8.865364335	6.348343696
3.961223962	1.584128348	0.451577653	7.822284866	5.897991324	7.388347965	4.834778511

5.414648249	1.34896389	0.568998668	9.287111876	5.771841878	6.714928176	4.610745737
5.666801116	1.986657293	1.434090838	17.83655862	7.559790742	9.911307018	4.439093545
5.888285652	1.152767358	0.224455227	3.566480201	6.259342888	7.375463009	5.480639976
5.872173992	1.294355922	0.383697161	5.850781148	6.573056497	7.765336397	5.714374315
4.772222082	1.918026384	1.05369295	14.07970369	7.609551631	9.080902524	6.071522576
4.414497631	1.479621943	0.38038929	6.778226569	5.768732285	6.615684301	5.533357477
5.489056709	1.578183499	0.716626452	9.516113141	7.698568169	10.66697354	6.058513137
3.800345862	1.702612879	0.536982084	9.938204943	5.640811324	6.955224841	5.167556935
5.579516235	1.250120014	0.302794638	4.784492258	6.175702711	6.964366101	5.291781286
4.485267312	1.521464981	0.446434979	7.169102499	6.190093561	6.885945599	5.053624763
4.792663761	1.227476686	0.315342962	5.959003028	5.540506832	6.705351985	4.983905533
5.38668343	1.369825938	0.446897563	7.302210739	5.792927665	6.469129245	4.639772469
4.408044544	1.399421891	0.411627127	7.410970643	5.442523534	5.965532734	4.700131645
4.81099939	1.612247464	0.850138755	13.06945694	5.882704183	7.616564278	4.309102638
6.378961952	1.34757694	0.533864789	6.826528294	8.007198481	9.242896127	6.389567096
5.378424901	1.514873209	0.632579451	8.835276598	7.272781452	9.463268346	5.847962265
7.095670558	1.444420611	0.764848386	8.328113468	9.624634424	11.17838657	7.602249962
5.90271498	1.235050629	0.329419915	5.09210684	6.120219507	7.08615651	4.961598475
5.241965836	1.207957631	0.311989925	5.413647699	5.876239362	6.586900924	5.536731601
4.723123001	1.40152213	0.443736049	8.228802156	5.643986426	7.740219193	5.192307148
4.825675653	1.444842107	0.484655784	8.280875652	5.721028681	6.552889035	4.380583653
7.625504474	1.330438679	0.50461486	5.814619948	8.240067823	9.419225255	6.20821763
5.703580078	1.239298759	0.279273607	4.320496824	6.402464223	7.499986419	5.486054576
5.681386736	1.744556402	0.884392713	10.23681029	8.508109573	10.10945245	6.704285839
6.35251405	1.692026797	1.186086547	13.66033998	7.99112562	10.41734666	5.677743562
4.434172502	1.252494197	0.288311747	5.795770714	4.83156525	5.43520938	4.365388652
5.070394313	1.450957027	0.53085152	8.317897136	6.365779102	7.072706964	5.173458361
3.606869629	1.235190089	0.15323038	3.598796457	4.315671487	4.951855617	3.897115932
3.59956013	1.791658749	0.620549589	13.06068808	4.798684304	8.451003514	4.188758945
5.774525444	1.640820541	0.746555874	10.1743084	7.095919381	9.332588251	4.908795953
5.08202626	1.255898445	0.319426421	5.530236418	5.576786574	6.16103614	4.606573907
4.327285072	1.522818024	0.518869037	9.809403644	5.06750874	5.72685049	4.5499965
4.149516706	1.375537909	0.43517588	9.183122887	4.888181359	5.707240987	4.519471629
4.730997538	1.516165263	0.539218276	8.660544498	6.362426383	7.219136671	5.328205205
3.829001247	1.380126459	0.242304258	5.456271307	4.51853416	5.224186082	4.28573045
3.190930636	2.275779959	0.89507999	15.63070846	5.715216994	6.794320746	4.366376244
5.230256031	2.05290425	1.090507881	14.27255457	7.1788828	9.309102391	5.458875989
5.792444533	1.426204112	0.61707019	8.465320073	7.322481879	9.464174839	5.698562162
6.32553977	1.274878771	0.445327318	6.200305781	7.086556669	8.128830801	5.762522664
4.693550444	1.402976461	0.511101062	9.147762515	5.473846719	6.004810822	4.901026883
4.931739902	1.523294971	0.666190987	11.1683573	5.502819439	7.061294299	4.433575529
4.802661401	2.02657282	1.134375199	15.60447027	6.976655119	9.190811855	4.620452091
5.560577451	1.580796334	0.828080185	11.1863829	7.621944762	9.307430366	4.553752849
4.433894168	1.247679079	0.261844742	5.386830723	5.082467241	6.559843624	4.335714551
4.274921691	1.559657618	0.58573313	10.49298085	5.33011186	6.074805885	4.839803311
5.08240999	1.388728196	0.448232083	7.672377511	5.821450985	6.595265163	4.866022075
5.856711605	1.371337343	0.531813761	7.936487056	6.483413039	7.710807571	4.891427306

6.486525011	1.400757719	0.58853034	7.476070665	7.647226951	8.72340539	6.097735345
4.765686699	1.343178247	0.409719742	7.61454132	5.332022136	5.930966531	4.624900522
4.870433521	1.182013652	0.193552921	3.74772676	5.107518345	5.590521832	4.721140317
6.327216585	1.161497488	0.271973153	3.962987375	6.839666471	7.934600638	5.370352071
4.764870132	1.327260942	0.376151968	6.435331851	5.540977332	6.159545212	4.44036461
4.428791433	1.299578693	0.311570384	6.600161298	4.582321221	5.030589799	4.212392894
3.616526218	2.212491553	1.163164329	22.74271285	5.320791704	7.603490712	4.043074222
3.053832707	3.160381505	2.104833922	33.49076612	6.790281401	12.73808199	3.423298169
4.533519193	1.897549533	0.998675178	17.41901254	5.072047131	7.40647219	2.76156686
4.658325336	1.338279572	0.290225518	5.292264981	5.350598491	6.307800506	4.968283174
5.972649984	1.370196316	0.567330025	8.138834975	6.821596921	8.311606847	5.152096585
5.39802585	1.486083171	0.498826068	7.959040294	5.846999832	6.515231089	4.896046201
3.858977775	1.915492336	0.72902914	12.31528547	5.978268878	6.901430383	4.6497898
5.829310044	1.412492401	0.526190298	8.020207659	6.494837605	7.563737178	4.719289194
4.916682521	1.880803054	0.85018791	12.93174546	6.598545426	8.238643155	4.794262166
3.573194513	1.412444094	0.318605499	8.114282948	3.830795518	4.646404738	3.514888991
5.718825011	1.243186666	0.390743549	6.09478562	6.245315729	7.271856393	5.232602316
5.637424035	1.209393104	0.314127892	5.067138427	6.051700331	6.645005492	5.3844979
4.617288474	1.481065591	0.489422888	8.212314091	6.1030748	7.518084007	4.852558421
4.543228397	1.327350142	0.363825741	6.847907777	5.274666127	6.170693758	4.501897498
6.610994715	1.275088926	0.545635481	7.149926419	7.424386828	8.479946458	6.230337776
5.774568965	1.690325098	0.820256177	9.82921999	7.826036342	9.034940262	5.598446658
3.956092387	1.345740558	0.279419307	6.200211251	4.532473163	5.165097048	4.209635999
5.295857995	1.517421413	0.60875081	8.412405728	6.96558194	7.908725167	5.959423478
4.108810906	1.276298337	0.183755715	4.132134256	4.583610153	5.522723535	4.357343219
3.676371438	1.510975574	0.489051203	10.87005001	4.922253671	8.263919427	4.527249298
6.232332895	1.399159701	0.582851883	8.11772987	7.202779392	8.577805754	5.790211849
4.821587849	2.070122709	1.251766091	15.45148434	7.757152865	10.29643024	4.613283745
3.847839952	1.847951757	0.695222822	15.7418714	4.363475728	6.697305953	4.092040494
3.743284568	1.85366742	0.834255984	17.36461927	4.711812018	6.726223766	3.288319217
4.85714622	2.266037093	1.431486111	18.18114425	7.605144179	12.24756591	5.047873503
2.710057917	5.2775829	2.408128277	50.92925706	5.010860094	6.03313601	4.417146018
2.537401631	2.616240659	1.349411333	36.1743314	5.27808622	8.557860912	4.558091342
6.31750978	1.445515488	0.720001049	9.778436455	6.843051915	7.826651975	5.439029326
8.570099681	1.277259722	0.554018551	5.675430985	9.400099942	10.41112446	7.376096263
3.793218711	1.616185632	0.592080835	13.91011495	4.742291204	9.618895444	3.978227386
4.349757731	1.712436339	0.755943649	13.02227445	5.524442473	6.313198081	4.918737471

FTC.MFC	FTC.SD	FTC.CV	MTC.Mean	MTC.Max	MTC.Min	MTC.MFC
2.830746554	1.34804197	23.87717457	6.412041788	6.432226788	6.391856788	1.006315849
1.195675133	0.152256222	3.913787904	3.802609062	3.875389062	3.729829062	1.039025917
2.326647345	1.709553218	28.49633629	5.713095906	5.771295906	5.654895906	1.020583933
1.182775946	0.111014872	2.786057538	3.977559321	3.990254321	3.964864321	1.00640375
1.661705215	0.773040231	10.10139604	7.981023672	8.100393672	7.861653672	1.030367657
1.146700513	0.138403068	3.480571831	4.202188191	4.333128191	4.071248191	1.064324253
1.791575945	0.7847434	9.093370616	8.713176244	8.795421244	8.630931244	1.019058198
3.051083792	1.527016408	21.64437367	7.67105253	7.719190863	7.622914196	1.012629903
1.49064795	0.518662597	8.103875174	6.212425869	6.398514203	6.026337536	1.061758351
1.535584481	0.66241678	9.217419791	7.558761804	7.572561804	7.544961804	1.00365807
1.593694036	0.537535425	7.295602625	7.122250839	7.124695839	7.119805839	1.000686816
1.472055056	0.622655297	8.084347519	7.866978457	7.934118457	7.799838457	1.017215741
1.155547502	0.110082418	2.613401743	4.061382006	4.174317006	3.948447006	1.057204769
1.728138306	0.967137661	12.62969727	7.821392735	7.858717735	7.784067735	1.009590102
2.706228359	0.744238569	16.95845302	5.768186349	6.415926349	5.120446349	1.253001381
1.272449431	0.344980948	5.827800984	5.863651803	5.917356803	5.809946803	1.01848726
1.514527617	0.557749586	9.442034995	6.635738238	6.681933238	6.589543238	1.014020699
1.613012899	0.734987681	9.615793159	7.558669011	7.563001511	7.554336511	1.001147023
1.410028208	0.457287257	7.580374373	6.182752381	6.193589881	6.171914881	1.003511876
1.5159135	0.59638255	10.28215675	5.822983887	5.823498887	5.822468887	1.000176901
3.67246905	1.647549007	26.61028949	5.501895624	5.593945624	5.409845624	1.034030546
1.384609852	0.667257283	7.852474186	8.170614945	8.183529945	8.157699945	1.003166334
1.636134767	0.568231376	8.568452496	6.431838224	6.479483224	6.384193224	1.014925927
1.771982646	0.624957849	10.27445167	6.01011812	6.24458812	5.77564812	1.081192619
1.435678135	0.485787111	7.442729754	6.563172745	6.575482745	6.550862745	1.003758284
1.392587962	0.305225207	6.727535811	4.622493444	4.666458444	4.578528444	1.01920486
1.200083787	0.247600984	5.320082303	4.660774206	4.741869206	4.579679206	1.035415144
1.457933418	0.517000881	6.828147226	8.194607192	8.248250525	8.140963859	1.01317862
1.638243754	0.748806075	10.48004839	7.04917685	7.06048685	7.03786685	1.003214042
1.662522206	0.746569221	10.37310952	6.987548187	7.107190687	6.867905687	1.034841043
1.275963729	0.346846347	5.986044171	5.82410488	5.90117863	5.74703113	1.02682211
1.463815657	0.673857981	9.210688273	7.487766859	7.522536859	7.452996859	1.009330475
2.207109403	1.445309915	23.01447481	6.449062121	6.504722121	6.393402121	1.0174117
1.160397063	0.125171673	2.919644511	4.178399634	4.1984088	4.158390467	1.009623515
1.917971509	0.557549351	12.75556487	4.188211962	4.211661962	4.164761962	1.011261148
1.881298733	0.64984099	9.923568049	6.623109109	6.706299109	6.539919109	1.025440682
1.305180737	0.558080639	4.941618546	11.27257572	11.30777972	11.23737172	1.006265522
1.499100433	0.521759549	9.415731706	5.472074357	5.593764357	5.350384357	1.045488321
1.208368833	0.154308102	3.467403354	4.402423867	4.429193867	4.375653867	1.012235886
2.269995406	1.001126946	12.07986858	8.418886928	8.541191928	8.296581928	1.029483226
1.52940605	0.424821846	7.919455612	5.392739131	5.444154131	5.341324131	1.019251781
1.871235265	0.726337677	10.95916076	6.862005587	6.938325587	6.785685587	1.022494411
1.472634035	0.41496127	7.447055146	5.588213763	5.640938763	5.535488763	1.019049808

1.324344444	0.405601597	6.854452841	6.052009664	6.128334664	5.975684664	1.02554519
1.79315765	0.760266754	11.11753214	6.995713731	7.170883731	6.820543731	1.051365406
1.522343052	0.684536735	11.24736152	5.7908045	5.8146545	5.7669545	1.008271263
1.206852051	0.227090468	4.547538286	4.903991901	4.947991901	4.859991901	1.018107026
1.942416897	0.888351731	12.75392755	7.014847821	7.281569488	6.748126155	1.079050587
1.407550603	0.724364539	7.912059034	9.408392964	9.469597964	9.347187964	1.013095917
1.284656627	0.258728658	5.083697779	5.038867638	5.159390972	4.918344305	1.049009718
1.456273932	0.334464255	7.571818672	4.628522902	4.656387902	4.600657902	1.012113485
1.524013642	0.566998196	9.021641815	6.30091278	6.36240778	6.23941778	1.019711775
1.628306416	0.638614129	11.96582172	5.1037526	5.1468826	5.0606226	1.017045334
1.686015033	0.730897001	11.73387585	6.351603648	6.412943648	6.290263648	1.019503157
1.082203271	0.069474084	1.639227037	5.449864575	5.668609575	5.231119575	1.083632193
1.380436067	0.25243355	5.511826322	4.587124856	4.594484856	4.579764856	1.003214139
1.367234332	0.4734395	6.649865863	7.339345884	7.348017551	7.330674217	1.002365858
1.395426842	0.39574159	8.276812135	4.778514643	4.903839643	4.653189643	1.053866277
1.377575571	0.669191565	7.601254648	8.745001578	8.786384078	8.703619078	1.009509263
1.417293469	0.460015043	7.275378682	6.1127088	6.1742613	6.0511563	1.020344046
1.992381234	0.952635826	20.32216913	4.811296542	4.909971542	4.712621542	1.041876904
1.344714002	0.225021568	5.40514065	4.248900431	4.260485431	4.237315431	1.005468085
1.407370803	0.569338795	7.238707993	7.867786275	7.958361275	7.777211275	1.023292411
1.270540035	0.16659702	4.172145025	4.073783688	4.075828688	4.071738688	1.001004485
1.593954021	0.686811838	9.798988996	6.847764171	6.924861671	6.770666671	1.022773976
2.357903964	1.491264439	17.8966693	7.454146723	7.641841723	7.266451723	1.051660702
1.577554407	0.672695968	11.67219619	5.392736852	5.409391852	5.376081852	1.006195962
1.988671449	0.604603712	13.0395262	5.165020814	5.244325814	5.085715814	1.03118735
1.550993886	0.79120545	10.17543558	7.99220574	7.99733574	7.98707574	1.001284575
1.812109452	0.850587345	10.38951819	7.697766556	7.737106556	7.658426556	1.010273651
1.223768658	0.188015317	4.446160875	4.17667384	4.19679134	4.15655634	1.009679888
1.127212729	0.113450967	2.565302196	4.351192314	4.474307314	4.228077314	1.058236873
2.052119105	0.962818815	18.50702678	5.801752143	6.002032143	5.601472143	1.071509773
1.745317601	0.676665354	12.54330908	5.179712541	5.357322541	5.002102541	1.071014138
1.865883837	0.730329427	13.30838715	5.390806733	5.469766733	5.311846733	1.029729773
1.255804251	0.181682851	4.229060305	4.080562407	4.106932407	4.054192407	1.013008756
1.231123747	0.263935117	4.507882933	5.907888891	5.989877225	5.825900558	1.028146149
1.491358658	0.51363747	8.75633697	5.7736366	5.7782466	5.7690266	1.00159819
1.343647448	0.470334915	6.211583513	7.399801279	7.579161279	7.220441279	1.049681174
1.20061838	0.262037848	4.208594561	6.018396663	6.147391663	5.889401663	1.043805808
1.467366759	0.500236424	7.554422881	6.847182836	6.958406586	6.735959086	1.033023879
1.582962405	0.519283605	7.490747553	7.174922361	7.426082361	6.923762361	1.07255015
1.480082244	0.601284498	7.782350029	8.01957687	8.07174687	7.96740687	1.013095854
1.516941588	0.500842667	7.013735594	7.380347507	7.496432507	7.264262507	1.031960574
2.796325584	1.149058738	14.55807624	8.372345074	8.731235074	8.013455074	1.089571851
1.295320258	0.536738257	6.369254655	8.857217215	8.977427215	8.737007215	1.027517432
1.084493318	0.071622378	2.006280998	3.55305192	3.56998942	3.53611442	1.009579724
1.181333694	0.116572768	2.808822797	4.309794447	4.320774447	4.298814447	1.005108385
2.044563872	0.899032309	12.54834174	7.243801547	7.343538214	7.144064881	1.027921546
1.681970239	0.521286695	10.53826098	4.780910472	4.780910472	4.780910472	1

1.646357988	0.87936663	11.66120399	7.286406766	7.397126766	7.175686766	1.030859764
2.136912398	0.836960034	13.55847129	6.466612539	7.020942539	5.912282539	1.187518102
2.882287973	1.321241604	30.25016021	4.906093801	4.941786301	4.870401301	1.014656903
1.551526307	0.643968618	9.817188863	6.793867627	6.872302627	6.715432627	1.023359627
1.153092825	0.163796857	3.594099929	4.532323376	4.560131709	4.504515042	1.012346871
1.513488966	0.300554439	7.743092543	3.840685523	3.878598023	3.802773023	1.019939397
1.958922187	1.238279057	15.09651386	7.619224651	7.686264651	7.552184651	1.017753803
1.250395415	0.213930563	5.15011033	4.13850166	4.15359916	4.12340416	1.007322833
1.620314044	0.732836535	10.42615854	6.566853049	6.606384299	6.527321799	1.012112548
3.098685994	1.573494244	22.85499363	6.880350157	6.928725157	6.831975157	1.014161351
1.414470202	0.616153823	8.450926375	7.034358868	7.126808868	6.941908868	1.026635325
1.145246945	0.240243182	3.512069188	6.772680215	6.788607715	6.756752715	1.004714543
2.164772614	0.997528745	13.18979391	7.525943066	7.662903066	7.388983066	1.037071407
1.892893605	0.741607165	12.49020497	6.022320651	6.078113985	5.966527318	1.018702113
1.628313798	0.714286746	11.36638319	6.371208351	6.383365851	6.359050851	1.003823684
2.470498109	1.128831443	15.01122584	7.552811796	7.586306796	7.519316796	1.008909054
1.211438365	0.153767377	3.532522296	4.360294468	4.375904468	4.344684468	1.007185792
1.246768192	0.164988413	4.241542222	3.885871949	3.931765282	3.839978615	1.023902911
1.972562515	1.069225757	13.99748152	7.871113776	8.167223776	7.575003776	1.078180819
1.675611658	0.732657463	12.67984499	5.522700497	5.559335497	5.486065497	1.013355655
3.298602412	1.658790202	20.86213947	7.317581413	7.370236413	7.264926413	1.014495673
1.489681219	0.702880542	7.884625692	8.763107254	8.861807254	8.664407254	1.022782863
1.319170904	0.361859542	7.59448682	4.729629545	4.773044545	4.686214545	1.018528814
2.193214558	1.069895469	17.45482368	5.634467494	5.733267494	5.535667494	1.035695786
1.920011337	0.96354503	17.06808994	5.217906545	5.283926545	5.151886545	1.025629446
1.510092962	0.617925351	10.42185063	5.548393355	5.609113355	5.487673355	1.022129597
1.291183901	0.215978827	5.258629472	4.143253037	4.223570537	4.062935537	1.039536684
1.340381132	0.640888905	6.701089773	9.529129806	9.540164806	9.518094806	1.002318741
1.439217938	0.587486889	7.292286964	8.058333358	8.188425025	7.928241691	1.032817281
1.209220138	0.10566947	2.905049415	3.573408319	3.583063319	3.563753319	1.005418445
1.702843906	0.918156695	9.467688219	9.686822919	9.751840419	9.621805419	1.013514615
1.268957406	0.20647889	5.199142734	3.944005099	3.944338671	3.943671528	1.000169168
1.907713375	1.112637696	12.15018106	9.240762617	9.328977617	9.152547617	1.0192766
1.291169339	0.24232361	5.562986447	4.322782185	4.460017185	4.185547185	1.065575655
2.02087882	0.933972435	16.77341229	5.303578192	5.314093192	5.293063192	1.003973125
2.283096115	1.382121179	18.12082959	7.164577453	7.200812453	7.128342453	1.010166459
1.166212563	0.173936214	4.118432555	4.089211548	4.112261548	4.066161548	1.011337474
1.670415037	0.609743354	11.29825536	5.077492781	5.171252781	4.983732781	1.037626415
1.175008417	0.208336362	5.012380719	4.060723884	4.072436384	4.049011384	1.005785363
1.28425177	0.299877923	6.062632975	5.08357422	5.18024922	4.98689922	1.038771588
1.303382258	0.228480603	5.320072305	4.11899551	4.19260801	4.04538301	1.03639334
1.620444079	0.785243894	10.16611314	7.832812785	7.984477785	7.681147785	1.039490192
2.052365288	1.02474527	14.65384313	7.263080699	7.304123199	7.222038199	1.011365905
1.452453412	0.333999186	7.370479101	4.254448176	4.254448176	4.254448176	1
2.155030469	0.624237271	15.07477661	4.070520335	4.156950335	3.984090335	1.04338757
1.549913324	0.603882078	9.141530288	6.823093438	7.088543438	6.557643438	1.080958961
1.895859177	0.886081311	14.10501185	6.711952021	6.911412021	6.512492021	1.061254586

1.478618046	0.313392142	6.829118983	5.874907785	6.008502785	5.741312785	1.046538137
1.687001163	0.633086154	9.293997787	7.039590142	7.339173142	6.740007142	1.088896938
1.68858506	0.707237012	11.12613236	6.779474361	6.839659361	6.719289361	1.017914097
2.027366307	0.898527313	14.28381745	6.026740651	6.081038151	5.972443151	1.018182676
1.187727248	0.126806995	2.833495629	6.062991954	6.324959454	5.801024454	1.090317668
1.607147644	0.541202891	11.14580488	4.953544633	5.041614633	4.865474633	1.036202018
1.398649875	0.449590292	7.196040669	5.969176556	6.108623223	5.82972989	1.047839838
1.439678896	0.443326368	6.795320252	6.777508909	6.784631409	6.770386409	1.002104016
1.549972087	0.93799153	9.478405173	9.816463374	9.881163374	9.751763374	1.013269395
1.332120095	0.652673508	6.353289192	10.16434768	10.43931518	9.889380179	1.055608642
2.31081116	1.491366978	17.9987229	7.416567851	7.438312851	7.394822851	1.005881142
2.027118936	0.956829203	11.69961903	7.875396846	8.134954346	7.615839346	1.068162546
1.343125193	0.600696168	6.401414889	9.535120034	9.678525034	9.391715034	1.030538618
1.37224177	0.451888276	6.557441516	6.788126083	6.898111083	6.678141083	1.032938807
1.272653514	0.406104677	4.600941234	9.090610446	9.215782946	8.965437946	1.027923343
1.356316581	0.507724483	6.761680799	7.326996718	7.452591718	7.201401718	1.034880709
1.128185722	0.09312107	2.290211653	3.904081156	3.948761156	3.859401156	1.023153851
2.045062402	0.820100049	14.13724869	5.667019494	5.786774494	5.547264494	1.043176236
1.115266584	0.098159037	2.286098528	4.34071692	4.34071692	4.34071692	1
2.674702842	1.266399345	22.78098021	5.602787497	5.656402497	5.549172497	1.019323602
1.259361943	0.286462657	5.987018424	4.713706954	4.801751954	4.625661954	1.038068065
1.755550332	0.698948021	12.69773133	5.750618945	6.010298945	5.490938945	1.094584916
1.625943896	0.523015436	9.640470212	5.963242703	6.002872703	5.923612703	1.013380348
1.293797819	0.397874101	6.149539854	6.450271061	6.482175346	6.418366775	1.009941559
1.479371174	0.469054059	8.576276047	5.599275553	5.742788553	5.455762553	1.052609694
1.54045825	0.316134536	7.737546794	4.16925112	4.18003112	4.15847112	1.005184598
1.297434421	0.323185718	6.643952054	4.637655332	4.947200332	4.328110332	1.14303933
1.298943841	0.5055938	5.305845704	9.483331972	9.622266972	9.344396972	1.029736536
1.311487776	0.572013132	6.578907496	8.734312971	8.894532971	8.574092971	1.037373049
2.175897641	1.154410857	20.31931971	5.578811866	5.819591866	5.338031866	1.090213025
1.297374745	0.367967533	5.595798933	6.611046088	6.701838588	6.520253588	1.027849377
2.194947002	1.139417958	22.06888547	6.646063397	6.851913397	6.440213397	1.063926453
1.392046752	0.693475402	7.471747656	9.332379562	9.531027419	9.133731705	1.043497634
2.169373456	0.958773702	18.62919193	4.831907757	4.942212757	4.721602757	1.046723541
1.25208969	0.173958747	4.4778127	3.895324521	3.948104521	3.842544521	1.02747138
2.256526779	1.390073151	17.51888591	7.436602495	7.649522495	7.223682495	1.058950542
2.179294047	1.272324295	18.48717216	8.227021723	8.468081723	7.985961723	1.060370938
2.251214977	1.457669639	17.40710756	8.009989004	8.449547337	7.57043067	1.116125054
1.214228525	0.128227636	3.598845479	3.465129375	3.492719375	3.437539375	1.01605218
1.218111814	0.420837772	4.680289663	9.220931444	9.39095311	9.050909777	1.037570072
1.521142731	0.662278734	8.434525433	7.774230765	7.948010765	7.600450765	1.045728867
1.58610247	0.785504098	11.97789841	5.901208226	5.928983226	5.873433226	1.009457841
1.793190495	0.909367032	15.50940454	6.13539049	6.14921049	6.12157049	1.004515181
1.861911665	0.964612152	12.73961918	7.545103727	7.640286227	7.449921227	1.025552619
1.210855791	0.213170364	4.456634796	4.657767638	4.767767638	4.547767638	1.048375383
1.590840649	0.525564278	9.9316865	5.861862857	5.880394524	5.84333119	1.006342843
3.566251242	1.569110303	32.90798993	4.722452771	4.744829021	4.700076521	1.009521653

1.821239267	1.013369494	19.30572852	4.913367303	5.017562303	4.809172303	1.043331781
1.270822125	0.305951122	6.445973066	4.663363869	4.674746369	4.651981369	1.004893614
1.536446563	0.478149427	9.428492548	4.778747816	4.842537816	4.714957816	1.027058567
1.749325493	0.766543346	14.68339326	5.538553282	5.672365782	5.404740782	1.049516713
1.384408245	0.407332807	6.336998437	6.343588929	6.353053929	6.334123929	1.002988574
1.285228981	0.491260996	5.841648132	8.815982956	8.828777956	8.803187956	1.002906901
2.014254141	0.896246822	16.31766449	5.703344059	6.014902392	5.391785726	1.115567773
2.004318182	0.718830559	19.83763226	3.414106771	3.427744271	3.400469271	1.008020952
1.551554542	0.700751129	8.804423309	8.283227799	8.392552799	8.173902799	1.026749768
1.509765728	0.671553198	7.122190024	9.759109698	9.784774698	9.733444698	1.00527357
1.305913372	0.409459271	6.808573609	5.772651771	5.798909271	5.746394271	1.009138774
1.467593668	0.515363898	6.221733287	8.365417818	8.458502818	8.272332818	1.022505139
1.208620259	0.150910276	4.00831978	3.754509951	3.901084951	3.607934951	1.081251465
2.153762604	1.200460275	15.66285981	7.674626945	7.794721945	7.554531945	1.03179416
1.252143702	0.448435269	5.242207647	8.706756083	8.784306083	8.629206083	1.017973844
1.608208957	0.651674933	10.90603251	6.265800939	6.357475939	6.174125939	1.029696511
1.20819873	0.288507784	3.923248874	7.178416497	7.325826497	7.031006497	1.041931408
2.360072006	1.450202721	20.4180652	6.753368155	6.881753155	6.624983155	1.038757834
1.610697795	0.669234591	8.722022786	7.601840418	7.681450418	7.522230418	1.021166594
1.339435423	0.408708631	6.025522557	7.033567773	7.055461106	7.01167444	1.006244823
1.580251257	0.627613536	9.679008342	6.531736885	6.857056885	6.206416885	1.104833435
1.398400241	0.42990945	7.180607656	5.520752405	5.545977405	5.495527405	1.009180193
2.017683	0.990188737	14.62575679	7.039806119	7.280647369	6.798964869	1.070846446
1.578182421	0.807569584	9.729280537	7.993527943	8.205172943	7.781882943	1.05439429
2.375831795	1.284378026	25.37670536	5.295893129	5.488328129	5.103458129	1.075413571
1.318803276	0.507026169	6.220719869	8.354810645	8.535623979	8.173997312	1.044241104
1.210505791	0.243177916	3.941834045	6.43499472	6.43998222	6.43000722	1.00155132
1.947179237	1.00197414	15.78135416	6.21706727	6.31708477	6.11704977	1.032701222
1.215296483	0.214636958	4.235737139	4.937605471	4.940405471	4.934805471	1.001134797
1.274233853	0.284883685	4.994078125	5.916984407	6.230759407	5.603209407	1.111998313
1.233491688	0.209527972	4.339409076	4.839356953	4.903441953	4.775271953	1.026840356
1.376549529	0.318903522	5.901516012	5.445052366	5.465026116	5.425078616	1.007363488
1.508043661	0.564398066	8.549243997	6.533796448	6.620908948	6.446683948	1.027025522
1.220578536	0.162234261	3.881398065	4.230110154	4.317810154	4.142410154	1.0423425
1.908898305	0.680515405	15.01719054	4.517007188	4.535197188	4.498817188	1.00808657
1.254323813	0.133696697	3.639983788	3.739854095	3.814534095	3.665174095	1.040751134
2.343154185	0.686748843	15.82256734	4.43565599	4.49253599	4.37877599	1.025979863
1.398938936	0.624771462	7.472379477	8.416935652	8.570085652	8.263785652	1.037065337
2.029472604	0.817225494	16.76289021	4.991327333	5.040067333	4.942587333	1.019722464
1.214861125	0.202719854	4.151346032	5.015155239	5.025750239	5.004560239	1.004234138
2.268082753	0.852237564	19.16427702	4.507932792	4.509437792	4.506427792	1.000667935
1.590285128	0.730961462	10.64964994	6.854180995	6.883570995	6.824790995	1.008612718
1.613890458	0.700768342	9.522953479	7.406714082	7.495789082	7.317639082	1.024345284
1.65943212	0.753934921	12.55956173	6.002249505	6.076969505	5.927529505	1.025211178
1.730839003	0.566997106	12.60884728	4.277776569	4.312796569	4.242756569	1.016508135
1.726072158	0.583732639	9.483353576	6.17679524	6.29849774	6.05509274	1.040198393
1.931968352	1.051907752	12.2403758	7.826549703	8.131034703	7.522064703	1.080957825

1.436697572	0.307148555	8.343124725	3.6048982	3.6132832	3.5965132	1.00466285
1.250431067	0.160178104	4.002065863	3.988016464	4.076061464	3.899971464	1.045151612
1.380865277	0.496940012	7.675687019	6.632560728	7.036760728	6.228360728	1.129793381
1.662908731	0.70434046	10.11719369	6.849480284	7.160665284	6.538295284	1.09518842
2.433866269	1.18805597	19.58954395	5.555396153	5.602541153	5.508251153	1.017117956
1.364918396	0.691320074	7.045415276	9.51248041	9.70679041	9.31817041	1.041705612
1.571654494	0.486373192	8.696717525	5.879953357	5.882377107	5.877529607	1.000824751
1.566470927	0.789778171	8.878497757	8.994561894	9.080491894	8.908631894	1.019291402
1.303600826	0.347426439	4.512234742	7.967818453	8.157638453	7.777998453	1.048809472
1.366982877	0.316915674	7.065697746	4.453480123	4.467702623	4.439257623	1.006407603
1.188625938	0.142778998	3.082036554	4.438584808	4.559559808	4.317609808	1.056037949
1.206740657	0.443731619	4.249576648	10.39704191	10.44436691	10.34971691	1.009145178
1.80401947	0.7311632	13.56964273	5.459239589	5.591259589	5.327219589	1.049564317
1.277420948	0.363247152	5.400416429	6.553789469	6.614369469	6.493209469	1.018659494
1.592990068	0.657825154	12.94342816	5.945916481	5.999188981	5.892643981	1.018081018
1.397891844	0.312900653	7.704926468	4.132285877	4.310629211	3.953942544	1.090210382
1.418193356	0.399298971	5.913214851	6.75824415	6.763255816	6.753232483	1.001484227
1.485457862	0.600804983	8.531061722	7.265729097	7.301050763	7.23040743	1.009770312
1.379612355	0.746426206	7.4613027	9.932181093	9.990911093	9.873451093	1.01189655
1.24485895	0.428087878	4.635325949	9.065981918	9.123068168	9.008895668	1.012673307
1.421447319	0.622515819	7.660847879	8.064235144	8.306160144	7.822310144	1.061855129
1.413402835	0.600470033	7.644362964	7.847995798	7.920255798	7.775735798	1.018586022
1.663804558	0.835380631	9.530520714	8.79076284	8.91996284	8.66156284	1.029832953
1.145379867	0.229491063	3.123351853	7.423661829	7.440569329	7.406754329	1.004565428
1.396976052	0.547413315	6.353475519	8.478166064	8.495728564	8.460603564	1.004151595
1.2972946	0.585450238	5.873248689	9.872795724	9.929548224	9.816043224	1.011563213
1.184139177	0.425469827	4.322690004	9.8576891	9.9238291	9.7915491	1.013509609
1.442820773	0.614460776	7.476792366	8.344404196	8.536549196	8.152259196	1.04713908
1.318559756	0.20271695	4.544970755	4.535399162	4.549839162	4.520959162	1.006388025
1.782502369	0.794244469	9.460261553	9.012276285	9.027536285	8.997016285	1.003392236
2.024185307	0.877214705	9.931619553	9.133065345	9.323602845	8.942527845	1.04261379
1.768239511	0.618562288	8.968341735	6.912976654	7.110631654	6.715321654	1.058866875
1.345571142	0.548029807	6.000135013	9.4825781	9.5828581	9.3822981	1.021376426
1.654070222	0.760475749	11.07467959	7.47701569	7.57747819	7.37655319	1.027238331
1.792832635	0.949842976	10.36122671	9.614216582	9.710796582	9.517636582	1.020294954
1.21421315	0.366555191	4.455729507	8.087777634	8.099837634	8.075717634	1.002986731
1.354118109	0.286685123	5.942749655	5.24544653	5.35315153	5.13774153	1.041926983
1.737139741	0.5724924	8.748044297	6.643603574	6.821987324	6.465219824	1.055182578
1.332983517	0.37396541	8.266352325	4.867754223	4.870286723	4.865221723	1.001041063
1.55306766	0.774615577	9.84919505	7.949314682	8.068979682	7.829649682	1.03056714
1.9459346	0.791363827	17.13317394	5.00767869	5.01390869	5.00144869	1.002491278
1.483424854	0.50625028	7.690448672	6.331174393	6.443954393	6.218394393	1.036273029
1.163727083	0.177423724	3.95082036	4.464532053	4.481212053	4.447852053	1.007500249
1.291604348	0.45200029	4.368715595	10.24364145	10.36057145	10.12671145	1.02309338
1.386724988	0.437724095	6.880511849	6.391470592	6.491690592	6.291250592	1.03186012
1.579687322	0.689122783	9.406071775	7.676770502	7.751190502	7.602350502	1.019578155
1.431125907	0.501626421	9.841450774	4.956070534	5.041235534	4.870905534	1.034968857

1.871266458	0.9028863	16.59324382	5.534599544	5.846789544	5.222409544	1.119557839
1.323360168	0.198322798	5.111192015	3.843910082	3.877407582	3.810412582	1.017582086
1.583620626	0.546985991	9.064908701	5.774493964	5.920863964	5.628123964	1.05201378
1.617100844	0.637632464	10.46067809	5.501048801	5.517668801	5.484428801	1.006060795
2.127729604	0.858070363	12.98438982	6.531730958	6.859928458	6.203533458	1.105809859
2.062410486	0.967096919	16.12854042	5.648167998	5.699245498	5.597090498	1.018251447
1.515567277	0.495034219	7.953581011	6.269426758	6.366196758	6.172656758	1.031354408
4.74819173	1.42065245	31.15733114	4.71545067	5.12170067	4.30920067	1.18855005
1.812649698	0.65680338	11.02404155	5.808848108	5.902425608	5.715270608	1.032746481
2.056452553	1.221290042	15.00320817	8.803102213	8.829509713	8.776694713	1.006017641
1.281959684	0.352117124	5.458916813	6.561977892	6.602315392	6.521640392	1.012370354
2.876918796	1.489706582	27.72801697	5.197912612	5.229682612	5.166142612	1.012299312
1.557177024	0.557995629	9.32929657	5.93943402	5.94923402	5.92963402	1.003305432
1.412775033	0.465152792	7.022806577	6.812138727	6.995158727	6.629118727	1.055216993
1.579498339	0.685874134	11.48241564	5.868333117	6.133640617	5.603025617	1.094701512
1.504800253	0.49786279	7.66838608	6.699323429	6.830793429	6.567853429	1.040034389
3.112732586	1.725793754	37.25259299	4.515381825	4.571276825	4.459486825	1.025067907
2.018211253	0.930838567	19.47718135	4.952957681	5.096467681	4.809447681	1.05967837
1.266201793	0.194709459	4.624332795	4.216708061	4.241498061	4.191918061	1.011827521
1.534201296	0.587202668	8.373627284	7.267234451	7.281779451	7.252689451	1.004010926
1.62199559	0.619498995	11.26689725	5.385152371	5.387717371	5.382587371	1.000953073
1.436666764	0.418302103	9.406853645	4.46182705	4.53261705	4.39103705	1.032242953
2.193129524	1.111494179	19.56507755	5.806314488	5.877019488	5.735609488	1.024654747
1.92835225	0.597563787	13.43356401	4.332907692	4.405972692	4.259842692	1.034304084
1.765157759	1.018200427	16.77096427	5.809490663	5.872185663	5.746795663	1.021819116
2.257997391	0.785078667	16.11670413	5.23060649	5.32365149	5.13756149	1.036221464
2.104501888	1.177078188	15.2702343	8.052521609	8.502711609	7.602331609	1.118434718
1.156510123	0.17644486	3.711673985	4.87483371	4.97253971	4.77712771	1.040905752
1.264750919	0.189315096	4.274670318	4.606421525	4.829756525	4.383086525	1.101907639
1.525792435	0.634341855	10.39304938	5.82988013	5.86430013	5.79546013	1.011878263
1.800329141	0.924077327	14.46838327	5.923365431	6.270355431	5.576375431	1.124450014
2.576098631	0.899994969	16.58191242	5.769309321	5.981659321	5.556959321	1.076426689
1.565307386	0.434465182	9.746234389	4.351858697	4.360013697	4.343703697	1.00375486
1.884637955	0.74319972	14.28700173	4.951301229	4.952501229	4.950101229	1.000484839
1.910815916	0.791202011	12.17075045	6.524167661	6.618692661	6.429642661	1.029402878
1.844538682	0.640073085	14.0963415	4.390838221	4.513550721	4.268125721	1.057501821
1.360260076	0.418044986	6.096200894	6.874054984	6.978944984	6.769164984	1.030990528
1.640497383	0.90716922	11.09068115	7.492244495	7.492764495	7.491724495	1.00013882
2.027646791	0.415702733	10.41417403	3.973227526	3.997927526	3.948527526	1.012510993
1.289157956	0.290902836	5.318299273	5.188741813	5.220409313	5.157074313	1.012281188
3.186960049	1.230463545	18.05355097	6.72743513	6.77129763	6.68357263	1.013125465
1.192501587	0.182104796	3.815655015	4.635072411	4.635072411	4.635072411	1
1.527869629	0.261961627	6.336905363	4.934858128	5.163190628	4.706525628	1.097028049
1.256652094	0.254694262	5.713304641	4.46044151	4.56506651	4.35581651	1.048039214
1.659612333	0.771002363	11.32056788	6.300032006	6.367365756	6.232698256	1.021606613
1.435322981	0.477450337	7.315534436	6.684942451	6.776354951	6.593529951	1.02772794
1.290292772	0.345705808	5.38433886	6.65181532	6.74586782	6.55776282	1.028684325

1.422795554	0.438784206	7.140472305	6.268209853	6.355049853	6.181369853	1.028097332
1.701369197	0.622736856	10.20637968	6.185304222	6.276412555	6.094195889	1.029900034
1.694304039	0.90225752	12.8012908	6.760431586	7.053711586	6.467151586	1.090698353
1.330786449	0.368445026	7.065195268	5.236213563	5.290320438	5.182106688	1.020882193
1.921235179	0.728283039	11.07216615	6.722065806	6.782190806	6.661940806	1.018050295
1.572064964	0.501207088	8.043182375	6.47689358	6.52486358	6.42892358	1.014923183
2.44046667	1.132119772	20.87495935	5.273656977	5.310556977	5.236756977	1.014092691
1.941893321	0.690631985	16.99591908	3.943069035	4.016299035	3.869839035	1.037846535
1.485808827	0.260916559	7.704994909	3.45522438	3.46512938	3.44531938	1.00574983
1.432051261	0.615614696	7.989782787	7.142034906	7.395618239	6.888451573	1.073625642
2.093518613	1.127438143	13.34702733	8.62875099	8.79461099	8.46289099	1.039197007
1.520195145	0.504697878	10.1397808	5.18099564	5.24493064	5.11706064	1.024988955
2.812030781	1.630770413	23.82451224	7.336710034	7.931425034	6.741995034	1.176421073
2.309211747	0.745867205	14.74809529	4.835679907	4.838634907	4.832724907	1.001222913
1.515373003	0.524743018	8.751359447	6.40550024	6.54172024	6.26928024	1.043456344
1.331455222	0.421279727	6.775263632	6.570019769	6.873381435	6.266658102	1.096817686
3.012454258	1.201205865	17.65910873	6.673727572	6.716675072	6.630780072	1.012953981
1.216442403	0.366669885	4.096793386	8.789131731	8.821420065	8.756843398	1.007374423
1.303858314	0.436777837	5.669244913	7.960381172	8.079966172	7.840796172	1.03050328
1.950095192	1.070030684	19.076617	5.375154612	5.418364612	5.331944612	1.01620797
1.188122755	0.132851964	3.277312446	4.021596004	4.079201004	3.963991004	1.029064143
1.404353263	0.391297268	9.586711179	4.04573058	4.09718858	3.99427258	1.025765893
2.704377906	1.389167007	26.36468257	4.98528055	4.98528055	4.98528055	1
1.662384855	0.556950069	9.205930996	6.099044837	6.155804837	6.042284837	1.018787595
2.386414715	1.57937908	19.86713184	8.068904334	8.437954334	7.699854334	1.095858956
2.394210849	1.353854408	16.83555672	7.650447136	7.884632136	7.416262136	1.063154456
2.077538389	1.411940771	18.5149025	7.835522352	8.182862352	7.488182352	1.092770177
1.643133432	0.640726514	12.19904349	5.210274477	5.276724477	5.143824477	1.025836807
1.865327723	0.976987176	14.19548043	6.242651604	6.255686604	6.229616604	1.004184848
1.083799776	0.07151508	1.55443374	4.685996297	4.767361297	4.604631297	1.035340506
1.419265379	0.248096571	5.991984308	4.074266436	4.074266436	4.074266436	1
1.117150423	0.150614756	2.841220913	5.336630182	5.373245182	5.300015182	1.013816942
1.864545266	0.624301428	11.36866057	5.457201845	5.632426845	5.281976845	1.066348265
1.34494918	0.283486504	6.235084785	4.446391977	4.580001977	4.312781977	1.061960007
1.944510554	1.181679481	19.17412438	6.572374364	6.944289364	6.200459364	1.119963692
1.286044622	0.179474275	4.25138455	4.23009982	4.27531482	4.18488482	1.021608719
1.209516445	0.167523523	3.914268568	4.156893766	4.201038766	4.112748766	1.021467394
1.154928538	0.148948051	3.451545523	4.310003059	4.414283059	4.205723059	1.04958957
1.470535661	0.381836775	7.219171967	5.28093035	5.406767017	5.155093683	1.048820322
4.783441393	1.524820187	28.22019265	5.687082938	5.708595438	5.665570438	1.007594116
1.243539789	0.225775974	5.192195759	4.309636383	4.31260805	4.306664716	1.001380032
1.171929921	0.138525487	2.810060449	5.072764489	5.147519489	4.998009489	1.029913909
1.140735464	0.114278541	2.68766243	4.269401388	4.327276388	4.211526388	1.027484097
1.457765269	0.459487108	9.138207925	4.98803581	5.26306581	4.71300581	1.11671108
1.6023057	0.559202885	9.744963997	5.947475907	5.970729241	5.924222574	1.007850256
1.206526746	0.416412631	4.236136441	9.694177984	9.706547984	9.681807984	1.002555308
1.257621756	0.249144242	5.690149588	4.427275152	4.461057652	4.393492652	1.015378426

4.048296924	1.343830709	21.08529943	5.794227423	5.938897423	5.649557423	1.051214631
2.145931757	0.506097685	11.60134454	4.466632628	4.505457628	4.427807628	1.017536896
3.935179282	1.853568411	36.11403191	5.602687978	5.626745478	5.578630478	1.008624877
1.296659279	0.212615504	5.60717479	4.217926414	4.360881414	4.074971414	1.070162455
1.417983539	0.448404884	9.029866737	5.487599385	5.834734385	5.140464385	1.135059782
1.717648437	0.893613616	13.44778552	7.07280707	7.25646707	6.88914707	1.053318647
2.027234907	1.319253585	21.44976982	5.616150768	5.706005768	5.526295768	1.03251907
1.129562157	0.144687139	3.115222634	4.850991194	4.981133694	4.720848694	1.055135213
1.191331194	0.140314202	3.104826502	4.703525342	4.716900342	4.690150342	1.005703442
1.340259826	0.345225955	7.655435264	4.36414014	4.41103514	4.31724514	1.021724502
2.143694947	0.870098428	14.60024817	6.263031502	6.403916502	6.122146502	1.046024707
1.173420292	0.22139958	4.548102612	4.881030564	4.991010564	4.771050564	1.046103054
1.465867153	0.639870857	10.21208548	6.580572513	6.624805013	6.536340013	1.013534333
2.006483775	0.844474477	17.5836758	4.65495674	4.79938674	4.51052674	1.064041301
1.108557981	0.111236622	2.264455488	5.009210363	5.033950363	4.984470363	1.009926832
1.771252922	0.743714971	11.47993051	6.615378328	6.634398328	6.596358328	1.005766818
1.475450482	0.414532514	7.250530951	5.747245412	5.851210412	5.643280412	1.036845591
1.165415222	0.089437579	2.529641005	3.583822258	3.729759758	3.437884758	1.084899588
1.377406096	0.342421989	7.415907043	5.243868834	5.335238834	5.152498834	1.035466287
1.319065391	0.427120536	6.119087361	7.00257623	7.047918105	6.957234355	1.013034454
1.58323408	0.623160713	8.94670938	7.298568188	7.724573188	6.872563188	1.123972669
1.241573082	0.393464826	4.713977429	8.776600295	8.839488073	8.713712517	1.01443421
1.280653672	0.30407093	6.732846174	4.745536223	5.083973723	4.407098723	1.153587438
1.577977328	0.67308855	8.062583953	8.652799043	8.89737571	8.408222376	1.058175594
1.614932666	0.671124976	8.835444321	7.443926017	7.463044767	7.424807267	1.005149965
1.710725529	0.450573038	10.29693616	4.438455167	4.462340167	4.414570167	1.010820986
1.074132716	0.091628655	2.04388638	4.618123092	4.632368092	4.603878092	1.006188261
1.125429617	0.168247995	2.877942575	5.939421428	6.026424761	5.852418094	1.029732439
1.227434819	0.393470991	4.643245884	8.615936373	8.618021373	8.613851373	1.000484104
2.269914043	1.040256575	19.42133627	5.335677489	5.617812489	5.053542489	1.111658307
1.150700602	0.302410659	3.625415042	8.443342772	8.605592772	8.281092772	1.03918565
2.438051888	1.374936972	17.01502777	7.317147874	7.365222874	7.269072874	1.013227271
1.558596364	0.506101907	7.640802674	6.573695731	6.704795731	6.442595731	1.040697882
1.227590137	0.304893288	3.825111525	8.113918837	8.161313837	8.066523837	1.011751035
1.655743006	0.752181748	7.893631427	9.568986139	9.761171139	9.376801139	1.040991591
1.510995132	0.327091821	7.778772969	4.084305848	4.201297515	3.967314181	1.058977767
1.444591582	0.533425494	7.76877466	6.708040817	6.744875817	6.671205817	1.011042981
1.328628796	0.57560503	7.422039571	7.690954155	7.948736655	7.433171655	1.069360029
1.255515698	0.346557425	4.750046564	6.906601087	7.099651087	6.713551087	1.057510548
1.418069043	0.607566787	7.865245676	7.975427953	8.057230453	7.893625453	1.020726218
1.273448242	0.40236187	5.818811903	6.954385208	7.056980208	6.851790208	1.029946918
2.191999092	1.050496258	18.15957804	5.636203739	5.655549739	5.616857739	1.006888549
1.744361946	0.795876532	12.15029801	6.53323378	6.71136878	6.35509878	1.056060498
1.703355229	0.829911509	14.7715813	5.692441683	5.760089183	5.624794183	1.024053325
1.522684864	0.549931642	8.186318965	6.527455402	6.530040402	6.524870402	1.000792353
1.593418385	0.590406116	9.193918939	6.235844486	6.253174486	6.218514486	1.005573678
1.256775883	0.326768991	5.281827526	6.202456067	6.280208567	6.124703567	1.0253898

1.2637109	0.277602794	5.490637722	4.831249353	4.849159353	4.813339353	1.007441819
1.449762613	0.455323306	9.384493459	4.862123114	4.883688114	4.840558114	1.00891013
1.240366856	0.214613013	4.89210553	4.383165302	4.409645302	4.356685302	1.012156031
1.759873402	0.769323517	9.918588621	7.573208069	7.641003069	7.505413069	1.018065628
1.637831042	1.202332566	13.1514582	8.756945431	8.860762931	8.653127931	1.023995369
1.470141708	0.678852194	8.612551112	7.344579664	7.383052997	7.30610633	1.01053183
1.196062944	0.163956155	3.533162239	4.656944768	4.664449768	4.649439768	1.003228346
1.272483051	0.307982707	5.817275302	5.172265805	5.175915805	5.168615805	1.00141237
1.379919169	0.389784981	7.927223128	5.092046508	5.196269008	4.987824008	1.041790769
1.736598545	0.764374543	13.93786992	5.271863852	5.361383852	5.182343852	1.034548074
1.692591651	0.736906833	10.12637199	7.444053915	7.567351415	7.320756415	1.033684361
1.167816063	0.120133337	2.937835668	4.006639086	4.158019086	3.855259086	1.078531687
1.364637823	0.31399407	5.532394351	5.588976766	5.592156766	5.585796766	1.001138602
1.845326842	0.579400266	9.262249116	6.165620214	6.238832714	6.092407714	1.024034012
2.457778905	0.926457818	19.26267896	4.73111391	4.82311891	4.63910891	1.039664945
1.625174064	0.757139831	9.705421494	7.117798411	7.709758411	6.525838411	1.181420367
1.861724355	0.923736416	12.54598037	8.20777776	8.38059776	8.03495776	1.043017028
1.494778425	0.515155318	8.09393221	6.345655522	6.498080522	6.193230522	1.049223099
1.210047855	0.151598466	3.634496463	4.341664829	4.379969829	4.303359829	1.017802369
1.280532749	0.300232728	5.631321618	5.351418302	5.431863302	5.270973302	1.030523774
1.394191712	0.239245429	5.820163464	4.037138351	4.059433351	4.014843351	1.011106286
1.325489831	0.263496642	5.63167393	5.172944735	5.228369735	5.117519735	1.021660884
1.419362576	0.432102454	6.66874125	6.521108309	6.716778309	6.325438309	1.061867649
2.084032607	0.977317453	18.46992859	5.031341068	5.162431068	4.900251068	1.053503381
1.253065759	0.357698353	5.125503146	6.813784591	7.052589591	6.574979591	1.07264053
2.1370762	1.25650185	17.81437909	7.475641121	7.656379454	7.294902787	1.049551951
1.414863592	0.455226052	6.268425278	7.353164693	7.409604693	7.296724693	1.015469955
1.222776424	0.236508589	4.621367222	5.099158671	5.169238671	5.029078671	1.027869916
1.399868396	0.621170791	6.87328807	8.522191355	8.701871355	8.342511355	1.043075758
1.638970499	0.669476682	10.11054411	6.779489055	7.046842388	6.512135722	1.082109263
1.722862732	0.649563485	8.0124406	8.066481844	8.195081844	7.937881844	1.032401591
1.230928637	0.367087141	5.288751943	7.003926147	7.118681147	6.889171147	1.033314603
1.910331579	0.725475078	12.27620514	6.031333131	6.249866464	5.812799798	1.075190387
1.341552885	0.533891119	6.413267596	8.377454011	8.380071511	8.374836511	1.000625087
2.478694543	1.253682425	22.87351315	5.209075482	5.213535482	5.204615482	1.001713863
1.580643587	0.354883837	8.082724441	4.366314884	4.413264884	4.319364884	1.021739307
2.04531821	1.047312566	18.9887788	5.408334066	5.519259066	5.297409066	1.041878963
1.714504258	0.602510536	11.81504996	5.04293718	5.08188218	5.00399218	1.015565572
2.462636546	1.529395163	24.7319808	6.069219482	6.155049482	5.983389482	1.028689424
2.295008113	1.237639787	19.48417617	6.086624721	6.132584721	6.040664721	1.015216868
2.219213676	1.083938925	20.45415579	5.26897887	5.32938887	5.20856887	1.023196391
2.236029928	0.989752472	19.15387814	4.832018119	4.832018119	4.832018119	1
1.504868322	0.495258858	9.641502013	4.844955545	5.029105545	4.660805545	1.079020675
1.644561135	0.559549252	10.75284504	4.952924006	5.087039006	4.818809006	1.055663132
1.434986197	0.458429671	9.016702295	4.977968567	4.980193567	4.975743567	1.000894339
1.858702034	0.556546334	13.2513818	4.045459866	4.144274866	3.946644866	1.050075446
1.330398138	0.343222175	6.743979527	4.953208315	4.965613315	4.940803315	1.005021451

2.453471342	1.244208182	20.00279527	5.989899403	6.049204403	5.930594403	1.019999682
1.264582819	0.401558696	5.482126101	7.62017549	7.65680549	7.58354549	1.009660389
2.072566705	0.981339744	12.34103926	8.093570777	8.182145777	8.004995777	1.02212993
2.451338688	1.011885857	20.02419963	4.92398983	5.04184483	4.80613483	1.049043568
3.023142604	1.560016401	32.63252117	4.788840971	4.828088471	4.749593471	1.016526678
1.765989343	0.815142838	15.91675267	4.807233172	4.848049422	4.766416922	1.017126597
2.490525399	1.617629096	25.29499877	6.118805445	6.372440445	5.865170445	1.086488535
1.518919832	0.32150503	8.147899259	3.917935922	3.918914255	3.916957589	1.000499537
1.444622652	0.355767138	7.842195737	4.372453936	4.378043936	4.366863936	1.00256019
1.670259467	0.792268122	14.47956017	5.190400701	5.277480701	5.103320701	1.034126799
1.227579229	0.204230544	4.232430762	4.813154627	4.820314627	4.805994627	1.002979612
1.526029635	0.386714296	8.034067644	4.72041597	4.77728097	4.66355097	1.024386996
1.532231513	0.570490356	10.93532494	5.191680244	5.377485244	5.005875244	1.074234771
1.347936868	0.249774524	5.571213498	4.395448547	4.414575213	4.37632188	1.008740978
1.275045526	0.423211028	6.222341307	6.753161893	6.880856893	6.625466893	1.038546717
2.356557864	1.121393472	19.61933157	5.829024343	5.90012101	5.757927676	1.024695227
1.509180998	0.55284873	7.226001701	7.712298356	7.933733356	7.490863356	1.059121356
1.882048508	0.712535752	14.25165918	4.772794564	4.810114564	4.735474564	1.015761884
2.528275446	1.408589542	25.72782209	5.357229008	5.379024008	5.335434008	1.008169907
2.553675599	1.72502966	24.18217099	6.475454032	6.491945699	6.458962365	1.005106599
1.207142184	0.267606408	4.577792788	6.083308634	6.180148634	5.986468634	1.032352963
1.760648936	0.687667972	13.38583679	5.629976342	5.850656342	5.409296342	1.081592868
1.830070324	0.582967523	11.15578802	5.046567987	5.180582987	4.912552987	1.054560226
1.713486448	0.780794773	12.09099872	6.282737383	6.371336133	6.194138633	1.028607287
1.945973725	0.851056891	12.29394299	6.236590872	6.352892747	6.120288997	1.038005354
1.425285839	0.636939779	8.481782762	7.489953607	7.597513607	7.382393607	1.0291396
1.948691365	0.770856739	13.45111124	5.528217794	5.545207794	5.511227794	1.006165595
1.827578645	0.856526252	14.38237774	5.640462047	5.642947047	5.637977047	1.000881522
1.378580553	0.495964112	7.911957034	6.04161591	6.15626591	5.92696591	1.038687585
1.596004555	0.695104412	8.107234942	8.780524282	8.794031782	8.767016782	1.003081436
2.974407205	1.47821178	26.0837226	5.394951739	5.452541739	5.337361739	1.02157995
1.441128731	0.521098676	9.246001131	5.452915554	5.570250554	5.335580554	1.043982093
1.754928514	0.930132184	11.32452219	7.668467621	7.957377621	7.379557621	1.078300086
2.530208066	1.483725731	26.22522454	5.338070022	5.411470022	5.264670022	1.027883989
1.479871689	0.504658226	9.998467409	4.913699592	5.019124592	4.808274592	1.043851489
1.282308678	0.560560543	5.430211053	10.52600219	10.65323219	10.39877219	1.024470197
1.982296839	1.005268097	14.26638674	6.23751724	6.30726724	6.16776724	1.022617585
1.483862731	0.630843932	7.784845831	7.978129004	8.087999004	7.868259004	1.027927398
1.223968855	0.288390346	6.023568445	4.814846876	4.820006876	4.809686876	1.00214567
1.873112233	0.83254849	15.68398904	4.80801966	4.82623966	4.78979966	1.007607834
1.418870561	0.489110339	6.357514847	8.175873004	8.237268004	8.114478004	1.015132212
1.205347172	0.241383946	3.764945107	6.426220091	6.570343841	6.282096341	1.045883967
1.797571354	0.72975129	16.3580774	4.32391408	4.32633408	4.32149408	1.001119983
1.77570514	1.044192981	13.75668544	8.270767553	8.420072553	8.121462553	1.036768008
1.206628431	0.207564596	5.332972631	3.745656732	3.792791732	3.698521732	1.025488562
1.542110938	0.659880764	9.631818091	6.912221756	7.036281756	6.788161756	1.036551869
1.314153788	0.397774366	5.929797953	6.769511573	6.953096573	6.585926573	1.055750697

1.267173636	0.340111978	5.059293608	6.948870019	7.033006269	6.864733769	1.024512604
1.957185883	0.965179516	12.0564445	7.924866007	8.185108507	7.664623507	1.067907445
3.150346668	1.761503731	27.51379996	7.13503323	7.28006823	6.98999823	1.041497865
1.189867013	0.180945262	3.765826172	4.623279611	4.637527111	4.609032111	1.006182426
1.506692475	0.70190336	9.938609403	6.830345984	6.923020984	6.737670984	1.027509506
1.561058492	0.48682538	8.868146143	5.413114966	5.425242966	5.400986966	1.004491031
1.295528296	0.158198103	4.183517963	3.723701756	3.726174256	3.721229256	1.001328862
1.893544108	0.930111029	15.55578066	5.87078791	5.99430541	5.74727041	1.042983013
1.22799653	0.137245199	3.593942699	3.791737938	3.905172938	3.678302938	1.0616779
1.702021835	0.73318056	12.41406356	6.105054006	6.494599006	5.715509006	1.136311569
1.188491883	0.228055176	4.562484579	4.979054135	5.049961635	4.908146635	1.028893799
2.804654977	1.585161548	29.7204571	5.783992238	5.813767238	5.754217238	1.010348931
1.128164285	0.076019287	1.847749082	4.167205267	4.195675267	4.138735267	1.013757826
1.315858006	0.301884623	5.504263113	5.265295858	5.268419191	5.262172524	1.001187089
1.495074531	0.57612103	6.674265794	8.525099209	8.633824209	8.416374209	1.025836541
1.715496213	0.860572125	13.44480033	6.799071025	6.972286025	6.625856025	1.052284565
1.652837327	0.616885866	11.59140213	5.503028513	5.635828513	5.370228513	1.049457858
1.561393279	0.667685692	8.751978086	7.465534642	7.596314642	7.334754642	1.035660361
2.054793534	0.773279121	13.08258539	6.281862653	6.311252653	6.252472653	1.009401081
1.2752087	0.289712763	4.990599645	5.926115066	5.959720066	5.892510066	1.011406005
2.270543274	1.243364667	14.60373424	8.508552191	8.749417191	8.267687191	1.058266597
1.505686982	0.699746626	8.13374668	8.490950861	8.616205861	8.365695861	1.029944909
1.606952875	0.482875212	8.804175697	5.668582959	5.861106959	5.476058959	1.070314802
1.880464685	0.647702449	12.69681544	5.001622071	5.004782071	4.998462071	1.001264389
1.813372635	0.639514944	10.20695091	6.418004359	6.554071859	6.281936859	1.043320238
1.23565524	0.266039844	5.405223112	5.061331786	5.099766786	5.022896786	1.015303918
2.382341589	1.352139546	25.96653362	4.748031678	4.769671678	4.726391678	1.009157091
2.096679979	1.160576805	19.56900209	5.471127948	5.485902948	5.456352948	1.005415705
1.45536413	0.509084492	7.257125517	6.895294928	7.007654928	6.782934928	1.033130201
1.43700722	0.294578513	6.201623462	4.62442909	4.70010909	4.54874909	1.033275082
2.507687234	1.547311848	22.46548297	6.403005355	6.482312855	6.323697855	1.025082634
1.288861881	0.325317344	6.627661573	4.975685954	5.236255954	4.715115954	1.110525384
1.121994283	0.108751874	2.586717918	4.028328323	4.102798323	3.953858323	1.037669534
1.321678046	0.520748878	5.337608332	9.356558549	9.504053549	9.209063549	1.032032573
1.706820369	1.052186857	14.1479193	7.864081095	8.026771095	7.701391095	1.04224951
2.10629557	0.990490773	13.99273499	6.269899576	6.567229576	5.972569576	1.099565186
2.147370185	0.781336475	11.47830691	6.933640182	7.134415182	6.732865182	1.059640285
2.293692401	1.050381075	16.62468664	6.471250434	6.721030434	6.221470434	1.08029613
2.040026776	0.818798768	18.1013297	4.364129144	4.514644144	4.213614144	1.071442232
1.745476013	0.675375307	14.59038373	4.408339968	4.418418301	4.398261634	1.004582871
1.207837842	0.167613039	3.791270089	4.417717734	4.482757734	4.352677734	1.029885052
1.366561833	0.68363357	7.666639664	9.094878841	9.096203841	9.093553841	1.000291415
2.430385943	1.213066084	16.88338649	7.350994237	7.580324237	7.121664237	1.064403486
1.93705897	0.695436908	13.38244841	5.186816869	5.199111869	5.174521869	1.00475213
1.886012274	1.017916811	13.63606516	6.457931488	6.554001488	6.361861488	1.030201852
2.015705253	0.61240278	14.9713853	4.439204183	4.547089183	4.331319183	1.049816232
1.379687052	0.15725755	4.300363925	3.853010439	4.019128773	3.686892106	1.090112934

1.324166914	0.213199328	4.905809232	4.32976347	4.40894347	4.25058347	1.037256062
1.536830041	0.563705695	9.009135938	6.143034067	6.233334067	6.052734067	1.029837756
1.616203075	0.663006222	8.906367105	7.189966788	7.377321788	7.002611788	1.053510035
1.51259102	0.583498366	9.429770234	6.218595612	6.221945612	6.215245612	1.001077994
1.398904276	0.484204114	7.697708705	6.855883475	7.003220975	6.708545975	1.043925316
1.399519314	0.637407394	7.859901206	8.182911277	8.31747961	8.048342944	1.03344001
1.693396106	0.313753969	8.806373537	3.585550502	3.666810502	3.504290502	1.046377434
1.749262888	0.620825666	13.00837554	4.661334852	4.712124852	4.610544852	1.022032103
1.259764606	0.281122628	4.492756169	6.208474347	6.31086768	6.106081014	1.033538151
2.542934895	0.945086192	21.02750201	6.669831451	6.728441451	6.611221451	1.01773046
2.246170103	1.100498728	23.47351029	6.920671663	6.936456663	6.904886663	1.004572124
3.226359887	1.780491659	28.40166098	5.714929244	5.742112578	5.687745911	1.009558561
2.306472573	1.609746681	26.14810124	5.795479122	5.815429122	5.775529122	1.006908458
1.529527731	0.63224023	9.321990347	6.851888479	6.878935979	6.824840979	1.007926192
1.329908477	0.43232925	7.696034261	5.485425669	5.567600669	5.403250669	1.030416875
1.452844084	0.363817311	7.877420292	4.537047467	4.544052467	4.530042467	1.003092686
1.968410486	0.913022524	13.1418665	7.092166174	7.151031174	7.033301174	1.016738939
1.747278586	0.615802402	11.29122143	6.421044233	6.532007566	6.3100809	1.035170178
1.418825664	0.465328317	8.105329599	5.664448665	5.775906998	5.552990331	1.040143536
1.119843838	0.096277793	2.202166349	4.323387278	4.433173528	4.213601028	1.052110415
1.383509206	0.207605402	5.778287611	4.146735799	4.456085799	3.837385799	1.161229554
1.256707682	0.214156832	4.857606328	4.327897874	4.336800374	4.318995374	1.004122486
1.358590899	0.432305698	6.076026871	7.204478688	7.451243688	6.957713688	1.070932784
1.85595785	0.973420422	12.27230678	8.945858084	8.976508084	8.915208084	1.006875891
1.556694079	0.872208447	10.36451429	8.972446727	9.017241727	8.927651727	1.010035114
1.48240504	0.596627132	6.865884745	9.107726978	9.211160312	9.004293645	1.022974225
3.467892892	2.090272267	34.39194611	5.712298757	5.942193757	5.482403757	1.083866497
1.441850937	0.588638968	7.53639495	7.810582603	7.822867603	7.798297603	1.003150688
1.773115665	1.124942649	13.91830554	7.405141207	7.430881207	7.379401207	1.006976176
1.929895335	0.938751882	14.57366257	6.61505279	6.61515779	6.61494779	1.000031746
1.801798899	0.779634493	9.058294692	8.703921269	8.830589602	8.577252936	1.029535875
1.173516971	0.118760774	2.91436478	4.005671273	4.101691273	3.909651273	1.04911947
1.410643038	0.283631143	6.811217353	3.960093214	3.970198214	3.949988214	1.005116471
1.443285563	0.459053003	9.095209924	4.894456988	4.949751988	4.839161988	1.02285313
1.523523143	0.481606549	7.154476911	7.150848347	7.362974597	6.938722097	1.061142743
1.598114724	0.467599471	9.294175075	5.106119791	5.165247291	5.046992291	1.023430787
1.458505212	0.441608068	9.058714801	4.818033791	4.828558791	4.807508791	1.004378567
1.392964095	0.343811761	5.657444088	6.286193481	6.313903481	6.258483481	1.00885518
1.416457699	0.517431099	7.10807815	7.139301425	7.289884758	6.988718092	1.043093263
2.846826392	1.540255802	18.88449295	8.622203592	8.716130258	8.528276925	1.022027115
1.355276236	0.763922441	7.748572056	10.05074606	10.06204606	10.03944606	1.00225112
1.471319411	0.649892162	7.929508665	7.016544569	7.246204569	6.786884569	1.067677591
2.999894892	1.505039863	19.04649918	7.976339444	8.249649444	7.703029444	1.070961692
1.801601485	0.781104832	10.27363534	7.676534332	7.768689332	7.584379332	1.024301263
1.797543604	0.867985853	11.9302319	7.375127223	7.419618473	7.330635973	1.012138442
2.340372291	1.097147876	14.04752048	7.863753412	7.885665079	7.841841745	1.005588398
1.223683578	0.367697909	4.795778414	7.822832753	7.836477753	7.809187753	1.003494602

1.222250367	0.226534808	5.073770744	4.293748691	4.404003691	4.183493691	1.052709533
1.969032661	0.873696912	11.61007156	7.743436932	7.942269432	7.544604432	1.052708529
1.140141603	0.235301194	2.93323389	7.904844503	7.935096503	7.874592503	1.007683445
1.281965973	0.287909988	4.252216806	6.935497796	7.057090296	6.813905296	1.035689519
1.271092157	0.240081805	3.851758846	6.328008975	6.330823975	6.325193975	1.000890091
1.712228162	0.874492715	14.76141361	5.561441351	5.635153851	5.487728851	1.026864483
1.978174141	0.949444055	17.0987338	5.410394136	5.520539136	5.300249136	1.041562197
2.644129445	1.318408748	25.34604935	5.057783877	5.108278877	5.007288877	1.020168599
1.14412842	0.131745309	2.788839352	4.79683051	4.84244551	4.75121551	1.019201402
1.183260047	0.124952758	3.252711636	3.75935577	3.87892577	3.63978577	1.065701669
1.147325939	0.18452804	4.051447106	4.591861907	4.620606907	4.563116907	1.012598844
1.829121669	0.556674047	12.50491217	4.378047114	4.460557114	4.295537114	1.038416616
1.370712664	0.375938329	6.589312316	5.717191879	5.800356879	5.634026879	1.029522401
1.672354755	0.53942879	9.700896935	5.668089395	5.852079395	5.484099395	1.06709944
1.391590658	0.709404106	7.890138973	8.618991726	8.697761726	8.540221726	1.018446828
1.24884577	0.33269599	4.959927072	6.635599988	6.678509988	6.592689988	1.013017448
2.095600201	0.753434114	17.86090546	4.436491499	4.850078165	4.022904832	1.205615934
1.368544419	0.455150639	8.636012378	5.259076865	5.281001865	5.237151865	1.008372872
2.044096972	0.609186397	14.48540005	5.08582234	5.40737734	4.76426734	1.134986128
1.889060738	1.127411234	14.74268461	7.702556995	7.855348245	7.549765745	1.040475759
1.893830421	1.263536429	14.16077115	9.175338238	9.331708238	9.018968238	1.034675807
1.141670663	0.1303759	2.880095531	4.642952498	4.706382498	4.579522498	1.027701578
1.96327797	1.221436915	14.67470439	8.549122399	8.586602399	8.511642399	1.008806761
1.792858606	0.987934062	11.33744873	8.638134208	8.693001708	8.583266708	1.012784759
2.614986305	1.320767697	15.8514879	8.193237312	8.399227312	7.987247312	1.051579723
1.86801405	0.605646367	10.8115621	5.151864015	5.151864015	5.151864015	1
1.883663893	0.773564003	14.08636849	5.149481451	5.239821451	5.059141451	1.03571357
1.192891301	0.137681128	3.28738616	4.162848722	4.192485389	4.133212056	1.014340743
1.30192458	0.363039129	5.939632323	6.153961895	6.22223627	6.08568752	1.022437687
2.440957292	0.998966857	15.18971784	6.713785266	7.035177766	6.392392766	1.100554679
2.584015848	1.531036806	16.72830312	9.26060426	9.44327926	9.07792926	1.040245962
1.294903964	0.339955113	6.108282081	5.331423374	5.475285874	5.187560874	1.055464409
1.966833698	0.881210201	14.74081586	5.991711538	6.015936538	5.967486538	1.008118996
1.236315508	0.146510865	3.661375939	4.336523243	4.501938243	4.171108243	1.079314652
1.331268377	0.333121794	6.20704351	5.206098607	5.248978607	5.163218607	1.016609794
7.084915681	2.797819828	49.04062161	5.965214466	6.192424466	5.738004466	1.07919478
2.185012443	0.80672495	18.35877369	4.323476887	4.406434387	4.240519387	1.039126103
1.233332622	0.284562896	5.486195295	5.160030122	5.230002622	5.090057622	1.027493795
1.529057721	0.64601863	11.19259429	5.506401604	5.528189938	5.484613271	1.007945258
1.995331207	1.206037033	15.17489665	8.067850456	8.085990456	8.049710456	1.004506994
1.781517036	0.787154424	10.97043822	7.265715342	7.683770342	6.847660342	1.122101559
1.407365677	0.341133517	7.241251645	4.774764145	4.999309145	4.550219145	1.098696345
2.419478076	1.577973697	27.63490741	6.406855497	7.258230497	5.555480497	1.306499141
1.284400597	0.395919752	5.737909725	6.904144955	6.979669955	6.828619955	1.022120136
1.362093935	0.466058057	5.875735584	8.044713715	8.157588715	7.931838715	1.028461244
1.553702123	0.816869799	10.13706173	7.835384572	7.927876239	7.742892906	1.023890726
1.497290764	0.538238982	8.627504896	6.253427353	6.275217353	6.231637353	1.006993347

1.759309386	0.980513181	14.51675843	6.745425482	6.871360482	6.619490482	1.038049756
1.811410285	0.706663305	12.95990313	5.164746957	5.234971957	5.094521957	1.027568828
1.254000798	0.508536209	5.395917131	9.382696186	9.412216186	9.353176186	1.006312294
1.244009401	0.333820875	4.045945005	8.085281993	8.113726993	8.056836993	1.007061084
1.303896386	0.607763711	5.948719833	10.03834025	10.09779525	9.978885254	1.011916161
1.219904386	0.475104113	4.673880041	10.09756823	10.24544323	9.949693227	1.029724535
2.572047714	1.786784151	21.81927204	8.129737869	8.753312869	7.506162869	1.166150138
1.228471317	0.454147121	4.377875084	10.45333898	10.46970898	10.43696898	1.003136926
1.520160473	0.733657464	8.411505994	8.533213527	8.633408527	8.433018527	1.023762547
1.282116712	0.468403963	4.424614992	10.39874632	10.43378299	10.36370966	1.006761414
1.390795824	0.662845699	6.484320664	10.30487565	10.36406565	10.24568565	1.011554132
1.43120833	0.408704384	7.155894922	5.550667304	5.681542304	5.419792304	1.048295209
1.355386194	0.425854962	6.577202539	6.337416848	6.470790181	6.204043515	1.042995615
1.867944073	0.730202236	14.51929779	5.213016963	5.413456963	5.012576963	1.079974832
1.198222746	0.134724378	3.730440864	3.519903184	3.562618184	3.477188184	1.024568702
1.396280049	0.255379691	5.820554413	4.514280621	4.532420621	4.496140621	1.008069143
1.640655034	0.409592176	8.480740923	4.992091322	4.993656322	4.990526322	1.000627188
1.222572369	0.126019863	3.267941803	3.89406663	3.91765663	3.87047663	1.012189713
2.878675362	0.790389069	21.55116516	3.565317424	3.690377424	3.440257424	1.072703862
1.47964056	0.562803445	8.622754641	6.035300837	6.062065837	6.008535837	1.008908992
1.864150837	1.088600117	13.43064529	7.732756918	7.845506918	7.620006918	1.029593149
2.142255153	0.919664547	16.93228423	5.503222817	5.511810317	5.494635317	1.003125776
1.164451061	0.155869165	3.586566775	4.325242365	4.362902365	4.287582365	1.017567009
1.584091777	0.466747678	11.31327638	3.940572355	4.071817355	3.809327355	1.068907178
1.564785451	0.529477979	8.353381215	6.403301455	6.517886455	6.288716455	1.036441459
1.709438331	0.473227112	9.78830953	4.825324757	4.830907257	4.819742257	1.002316514
1.330841863	0.26358489	4.992949369	5.440730677	5.475396927	5.406064427	1.012824949
2.210483638	0.799108909	19.20804441	3.708826701	3.737276701	3.680376701	1.015460374
2.360597555	1.429090105	26.98012348	6.6616347	6.7509747	6.5722947	1.027186851
3.421352189	1.844064113	26.83098571	7.198471176	7.287281176	7.109661176	1.024982906
1.534818459	0.519971638	7.551778258	6.983720301	6.987490301	6.979950301	1.001080237
1.507590084	0.578773229	8.681767933	6.642344734	6.709194734	6.575494734	1.020333071
1.630998368	0.556025655	9.133914627	6.183086493	6.365068993	6.001103993	1.060649674
1.425412887	0.357680185	5.815146206	6.154297196	6.214024696	6.094569696	1.019600235
1.489687873	0.602098232	7.785977715	7.883226843	8.067075176	7.699378509	1.047756668
1.325664326	0.368326712	6.367927586	5.966399719	5.998683469	5.934115969	1.010880728
3.035637186	1.190954786	28.47621183	4.000459188	4.054304188	3.946614188	1.02728668
1.782615912	0.820585526	17.91983617	4.382582607	4.383847607	4.381317607	1.000577452
2.641644361	1.558185421	18.94850136	8.530133045	8.586488045	8.473778045	1.013301033
1.804444668	0.771705246	9.949055297	7.538696399	7.543556399	7.533836399	1.001290179
1.609672541	0.443289372	6.9634355	6.491541407	6.548933907	6.434148907	1.017839966
1.761223866	0.853981636	15.80191105	6.34481435	6.45649935	6.23312935	1.035835932
1.255554179	0.142018887	3.817808379	3.735702628	3.760230128	3.711175128	1.013218185
1.518534583	0.52202469	12.30705578	4.270395634	4.296095634	4.244695634	1.012109231
1.226504153	0.168500619	3.936773928	4.143637924	4.322602924	3.964672924	1.090279831
1.768705239	0.821156398	10.29678601	8.257991702	8.343376702	8.172606702	1.020895414
2.117677854	1.556903681	17.02598613	7.810860706	8.306030706	7.315690706	1.135372043

1.337567061	0.186811239	5.273682649	3.484061826	3.485226826	3.482896826	1.000668983
1.263822893	0.165555775	3.926415992	4.250525427	4.380345427	4.120705427	1.063008629
1.240815016	0.276319117	6.011158872	4.283648314	4.283648314	4.283648314	1
1.225534339	0.17200839	3.61693286	4.722337561	4.722337561	4.722337561	1
1.179711732	0.117018165	2.959934784	3.868068599	3.907658599	3.828478599	1.020681845
1.319752338	0.31349403	6.91021273	4.429064357	4.447959357	4.410169357	1.008568832
1.33762813	0.262245638	5.245055025	4.95387626	4.99089626	4.91685626	1.015058402
2.259423113	1.276910912	16.09125491	7.386235408	7.467930408	7.304540408	1.022368279
2.132344657	0.7576062	12.54747057	6.152394064	6.275922814	6.028865314	1.040979104
1.340552939	0.470543122	6.235191211	7.470049724	7.500072224	7.440027224	1.008070535
1.816238488	1.003867127	14.1533487	6.97285973	7.06704473	6.87867473	1.027384635
1.313876388	0.302917662	6.237505737	4.757093858	4.859418858	4.654768858	1.043965663
2.482660851	1.554807824	25.78159364	5.877653628	5.889103628	5.866203628	1.003903717
1.343003663	0.373010951	7.281579258	5.30975464	5.67270964	4.94679964	1.14674336
1.376897181	0.398123716	7.274290959	5.17101646	5.30015646	5.04187646	1.051226959
1.962189618	0.848890742	11.29794484	7.459198162	7.550188162	7.368208162	1.024697999
1.327145258	0.513891497	7.504513395	6.899577191	7.027210762	6.77194362	1.037694812
1.538940912	0.612407155	8.778394038	7.109137281	7.135205614	7.083068948	1.007360745
1.628867263	0.481722443	6.671450063	7.378113173	7.521445673	7.234780673	1.039623178
1.404771828	0.579944333	7.751451457	7.563965584	7.620810584	7.507120584	1.015144289
1.541319483	0.691435714	7.581414903	9.155864619	9.324844619	8.986884619	1.037605913
2.011616197	1.318985982	18.82521075	7.049592662	7.097625662	7.001559662	1.013720657
1.176188472	0.131521946	2.912149506	4.518968817	4.520718817	4.517218817	1.000774813
1.745186007	0.581954176	11.34227829	4.877513701	4.926698701	4.828328701	1.020373509
1.398730146	0.622469707	6.716686963	9.603926084	9.640471084	9.567381084	1.007639499
1.990354645	1.137453412	14.33157688	7.459906069	7.473938569	7.445873569	1.003769202
1.179278159	0.267526317	3.499712107	8.049064535	8.194329535	7.903799535	1.03675827
2.090414628	1.017960265	16.4969679	5.393070436	5.476080436	5.310060436	1.031265181
2.990148253	1.578710658	25.27347876	5.827993992	5.862048992	5.793938992	1.011755388
1.391381493	0.387504183	6.68204868	5.937977111	5.943287111	5.932667111	1.001790089
1.675971336	0.611473921	10.60552311	5.70015296	5.74180296	5.65850296	1.014721208
1.502862477	0.579096747	8.459023308	7.24163094	7.24910094	7.23416094	1.002065201
1.492269729	0.55575951	10.91715252	5.065005817	5.150470817	4.979540817	1.034326458
1.509988067	0.687350105	9.93846493	6.9269583	6.9978608	6.8560558	1.020683175
1.448033351	0.56358746	7.176050217	8.063182352	8.117952352	8.008412352	1.013678117
1.339028479	0.457926331	5.686587324	7.862243999	7.959433165	7.765054832	1.025032448
1.418773318	0.398856954	7.112981534	5.452897426	5.744802426	5.160992426	1.113119716
2.627707512	1.565815296	17.21329472	9.127611987	9.209841987	9.045381987	1.018181653
2.260044679	0.830584289	16.70316649	5.197616333	5.298496333	5.096736333	1.039586117
1.351502354	0.571633162	7.282957461	7.834621421	7.863586421	7.805656421	1.007421541
2.456302533	0.857444931	21.09593362	4.055342107	4.197187107	3.913497107	1.072490152
1.509321964	0.514010677	9.193122112	5.471887337	5.506744004	5.43703067	1.01282195
1.603729923	0.823524779	10.51108838	8.061051932	8.092671932	8.029431932	1.007876024
1.684920394	0.619616977	15.22081687	4.377966718	4.420316718	4.335616718	1.01953586
2.02507458	0.862884831	15.98239576	5.35122831	5.43195331	5.27050331	1.030632748
1.238299589	0.24451082	4.966503822	4.924244028	4.968079028	4.880409028	1.017963658
2.172026904	1.172528287	19.66100372	5.669775872	5.740000872	5.599550872	1.025082369

1.639944559	0.645659291	12.55275749	5.116262849	5.203172849	5.029352849	1.034561107
1.77343752	1.187724416	13.28298059	8.178614237	8.256974237	8.100254237	1.019347541
2.27972979	1.347109561	17.80988888	7.645474155	7.675534155	7.615414155	1.007894515
2.232324694	1.209903422	21.53790335	5.227774997	5.574589997	4.880959997	1.142109339
1.96262358	0.970435829	12.67002761	7.674308444	7.717173444	7.631443444	1.011233786
2.394149416	1.28435798	16.59061281	7.400560765	7.798393265	7.002728265	1.113622144
1.365148376	0.459172321	6.529934978	6.920495436	7.029415436	6.811575436	1.031980854
1.678408729	0.721785879	10.86658688	6.864190612	6.923003112	6.805378112	1.017284124
2.100373937	0.78626944	14.03841675	4.873708556	5.078798556	4.668618556	1.087858966
1.642297763	0.829066019	11.5475838	7.495908387	7.506828387	7.484988387	1.00291784
1.615111816	0.572217571	8.315044924	6.923686904	7.025703154	6.821670654	1.029909462
1.498932129	0.570759891	9.071061466	6.69692959	6.73094059	6.66291859	1.01020904
1.475491207	0.650890276	8.607686896	6.938671278	7.039951278	6.837391278	1.029625334
1.572078292	0.577573565	10.93341831	5.122576038	5.159669371	5.085482705	1.01458793
1.542527634	0.788853802	9.219380163	8.341104434	8.435199434	8.247009434	1.022819181
1.499745016	0.540414617	8.872662068	6.475175837	6.552037979	6.398313694	1.02402575
1.147772611	0.101656417	2.502363866	4.159205816	4.236020816	4.082390816	1.03763236
1.207533833	0.154194633	3.422064023	4.615233316	4.635000816	4.595465816	1.008603045
1.329872921	0.162254431	4.134522967	3.935956302	4.018906302	3.853006302	1.043057287
1.176062603	0.1264514	2.949253037	4.246430674	4.298786388	4.194074959	1.024966513
1.187394434	0.235871188	4.632052227	5.035034705	5.076019705	4.994049705	1.016413533
1.229079918	0.214822276	4.641396498	4.582014543	4.698650793	4.465378293	1.052240255
2.243108306	0.859119875	18.31799162	4.68277456	4.90619456	4.45935456	1.100202842
3.080143022	1.775515396	29.14019751	5.333961373	5.430526373	5.237396373	1.036875193
1.104714805	0.078189454	1.876459989	4.255359439	4.285934439	4.224784439	1.014474111
1.180385762	0.132936946	3.550670429	3.94425196	4.08983196	3.79867196	1.07664784
2.570060103	1.112312527	23.6171573	4.496954193	4.539234193	4.454674193	1.018982309
1.330282299	0.247865995	5.802167107	4.318379849	4.466549849	4.170209849	1.071061172
1.448926276	0.589187715	8.539978144	6.668445133	6.681475133	6.655415133	1.003915608
2.486910343	1.168759225	21.79995234	5.535158893	5.573093893	5.497223893	1.013801512
1.163846294	0.177229402	4.556829603	3.878353398	3.891190898	3.865515898	1.006642063
1.447448193	0.634366523	6.564585864	9.79132111	9.83182611	9.75081611	1.008308023
1.944583836	1.026205044	12.78699986	8.515986183	8.622696183	8.409276183	1.025379117
1.402297113	0.518841434	7.402227953	7.147088269	7.158795769	7.135380769	1.003281535
1.149172922	0.12944913	3.147370497	4.391696816	4.459046816	4.324346816	1.031149213
1.444068228	0.663638714	7.813222598	8.522030717	8.681725717	8.362335717	1.038193874
1.742605275	0.65393872	11.49750235	5.54557985	5.55028235	5.54087735	1.001697385
1.464839572	0.697659903	8.3591886	8.385634421	8.425526921	8.345741921	1.009559965
1.582245265	0.564325597	8.402341976	6.806731387	6.982948887	6.630513887	1.053153497
1.382564714	0.176962065	5.007226449	3.525538163	3.546233163	3.504843163	1.011809373
1.677267642	0.584175461	12.78751323	5.169458387	5.332893387	5.006023387	1.06529534
1.499150537	0.810362171	8.531733467	8.953192971	9.067199638	8.839186305	1.025795738
1.273163273	0.366961262	6.064807117	6.016844783	6.045758533	5.987931033	1.009657342
1.162133828	0.10605921	2.895827376	3.782201869	3.806886869	3.757516869	1.013138996
1.608770172	0.892998833	10.37796026	8.144649625	8.200364625	8.088934625	1.013775609
1.959742175	0.716107949	10.10047772	7.053636625	7.385216625	6.722056625	1.098654331
1.610635203	0.729799374	8.988818127	8.304964181	8.340997515	8.268930848	1.008715355

1.510181178	0.430469913	8.790633063	4.731853361	4.876253361	4.587453361	1.062954319
1.155762633	0.114446785	2.791290212	4.087818473	4.112705973	4.062930973	1.012251008
1.176695109	0.092733961	2.539368085	4.700675551	4.892743051	4.508608051	1.085200354
1.126980558	0.250294962	2.928111068	8.716857015	8.823687015	8.610027015	1.024815253
1.961411517	0.772247062	11.07270271	6.983977092	7.095417092	6.872537092	1.032430527
1.224619345	0.164004702	4.196606561	5.383434455	5.610644455	5.156224455	1.088130376
2.018741603	1.134442586	13.81927169	7.414009502	7.477884502	7.350134502	1.017380634
1.368301582	0.623856849	6.792612896	9.548401444	9.572343944	9.524458944	1.005027582
1.473319157	0.647879177	7.282999168	9.090203928	9.108808928	9.071598928	1.004101813
1.30205289	0.350483987	5.0026895	6.991689693	7.155731693	6.827647693	1.048052274
1.4762217	0.481901374	7.233765459	6.710836988	6.857351988	6.564321988	1.044639797
1.467589268	0.560403534	8.550921844	6.231170229	6.534890229	5.927450229	1.10247914
1.405867886	0.32949898	5.514157978	5.951539728	6.127634728	5.775444728	1.060980585
1.606989569	0.615719869	9.681343365	6.588727805	6.784772805	6.392682805	1.061334187
1.340919461	0.55810633	6.494801021	8.259697998	8.316327998	8.203067998	1.013807029
1.147691446	0.115745399	2.65330262	4.579851282	4.638446282	4.521256282	1.025919787
1.9167307	1.060225248	13.83357906	7.253800982	7.310395982	7.197205982	1.015726936
1.379144397	0.466285025	6.723136178	6.99213893	7.16195393	6.82232393	1.049782157
2.276557198	0.96728856	12.83642822	6.946062728	6.954547728	6.937577728	1.002446099
1.939149559	0.635411165	12.54878121	4.992991545	5.033036545	4.952946545	1.016170172
1.492995656	0.471598741	6.953029418	7.069690372	7.085877872	7.053502872	1.004589918
1.834878174	0.803564813	12.5514452	6.700587751	6.760917751	6.640257751	1.018170981
2.181306485	1.301871638	19.12117077	7.119445742	7.315435742	6.923455742	1.056616235
1.283537944	0.252487222	5.388854935	4.658264672	4.678778005	4.637751339	1.008846241
1.46858001	0.652191264	8.899816998	7.728863715	7.820740382	7.636987049	1.024060972
2.359874739	1.583168891	20.49547556	7.448759961	7.545164961	7.352354961	1.026224251
-7.860426308	3.011493922	41.42599067	8.082779335	8.190674335	7.974884335	1.0270587
1.702541088	0.93270778	11.71693279	7.386943024	7.430573024	7.343313024	1.01188292
1.384776663	0.340844491	7.163895753	4.623509069	4.633454069	4.613564069	1.004311201
1.450827064	0.601395522	8.583784377	6.891391077	7.102857744	6.67992441	1.06331409
1.551876444	0.626503138	8.128668569	7.43483306	7.57125806	7.29840806	1.037384865
1.6374736	0.596507173	10.10777806	6.054489444	6.272335444	5.836643444	1.074647698
2.333306352	1.007661805	21.46309063	4.919904099	5.020139099	4.819669099	1.041594142
1.742307563	0.627070155	9.961453728	6.400049505	6.498250755	6.301848255	1.031165857
1.33176484	0.381026115	7.752259165	5.28051105	5.30357355	5.25744855	1.008773267
1.316379564	0.350385646	7.707206571	4.472777696	4.476442696	4.469112696	1.001640147
1.375086732	0.304669742	7.072869218	4.244183343	4.267395843	4.220970843	1.010998655
1.376828973	0.209714644	4.739750867	4.464412976	4.472032976	4.456792976	1.003419499
2.84550005	0.770133238	15.52178073	5.032391576	5.107384909	4.957398243	1.030255118
1.251320294	0.22328436	6.321088252	3.45956769	3.46582269	3.45331269	1.003622609
1.289988275	0.323489358	6.709575828	5.248356553	5.325189053	5.171524053	1.029713678
1.239645123	0.270046592	5.146378371	5.273187845	5.487859512	5.058516179	1.08487535
1.447739846	0.459402503	7.452663843	6.2061466	6.2616591	6.1506341	1.018050984
1.809974193	0.822499998	15.67430586	4.915230783	4.937065783	4.893395783	1.008924273
1.195388111	0.147666873	3.753079167	3.937048293	3.995690793	3.878405793	1.030240518
1.372652619	0.398589783	8.164228375	4.841039878	4.912374878	4.769704878	1.029911704
1.389681777	0.492647569	7.001948188	6.835196161	6.903936161	6.766456161	1.020317873

1.630321841	0.513787473	10.72469432	4.813819224	4.882974224	4.744664224	1.02915064
1.600739961	0.687949401	13.00384347	5.321127571	5.333692571	5.308562571	1.004733862
2.157146355	0.74789675	15.0350802	5.861297516	6.006157516	5.716437516	1.050681915
1.534295156	0.639281685	8.729139968	7.518275131	7.609665131	7.426885131	1.024610587
1.453245122	0.453498063	5.777878398	7.943264536	7.966247036	7.920282036	1.005803455
1.854879959	0.945890485	12.30889574	7.714205689	7.794730689	7.633680689	1.021097293
1.2959683	0.282987092	6.03602613	4.441146171	4.569071171	4.313221171	1.059317617
1.252438098	0.294306685	5.216249474	5.381696342	5.451681342	5.311711342	1.026351206
1.631185744	0.626430224	12.52558033	4.55613377	4.78279377	4.32947377	1.104705566
2.347586086	1.153692423	18.78722604	5.352144619	5.352144619	5.352144619	1
1.329950044	0.37762265	6.229280404	5.80841907	5.85133157	5.76550657	1.014885943
1.48061338	0.548661159	8.131656276	6.721795963	6.753569296	6.690022629	1.009498722
1.551541804	0.695992732	9.785361147	7.224360302	7.351615302	7.097105302	1.0358611
1.142832518	0.13931439	2.825988687	4.910644335	5.003939335	4.817349335	1.038732919
4.310390192	2.049097052	31.38719088	5.380862104	5.410860438	5.350863771	1.01121252
2.033558148	0.951398302	18.03765624	5.878625893	6.373745893	5.383505893	1.183939615
1.787830567	0.788596955	13.32035645	6.294970589	6.548452256	6.041488922	1.083913641
1.816724741	0.753234393	13.50580701	5.310463494	5.374013494	5.246913494	1.024223765
1.237737058	0.180682029	4.378241254	4.168858971	4.176753971	4.160963971	1.003794794
1.369086837	0.720187195	8.656769083	9.155680753	9.218340753	9.093020753	1.013781999
1.567454136	0.530445825	8.455518171	6.26789746	6.34621846	6.18957646	1.025307386
1.189746891	0.109319944	3.109594592	3.454718632	3.487251132	3.422186132	1.019012701
1.172790529	0.186488935	3.866903165	5.028564333	5.069868083	4.987260583	1.016563702
1.588116826	0.57779316	8.79726661	6.781266332	6.907878832	6.654653832	1.038052317
1.686865011	0.615643727	10.7932029	5.755950303	5.892935303	5.618965303	1.048758087
1.192939509	0.156328409	3.608442621	4.166167658	4.235977658	4.096357658	1.034083938
1.272243753	0.374511273	6.307701101	6.082032253	6.323407253	5.840657253	1.082653369
1.576453041	0.272951577	7.796446046	3.439525844	3.690370844	3.188680844	1.157334655
1.838621088	0.737339739	13.07018476	5.497937101	5.588972101	5.406902101	1.033673626
1.227918413	0.250258538	6.180829101	4.449224939	4.506114939	4.392334939	1.025904218
1.618147358	0.708876421	11.62958585	6.067588242	6.072478242	6.062698242	1.001613143
1.372957206	0.159598168	4.431368788	3.608293801	3.623963801	3.592623801	1.008723429
1.155608585	0.098273496	2.452127508	3.924477149	4.005042149	3.843912149	1.041918232
1.313347701	0.38436211	5.618568211	6.947864972	7.199822472	6.695907472	1.075257163
1.492920022	0.86140805	9.089836614	9.698998363	9.743328363	9.654668363	1.009183122
1.550102961	0.235472448	6.409247346	3.667928284	3.729458284	3.606398284	1.034122687
1.649471044	0.675079218	9.996257304	6.988217892	7.135542892	6.840892892	1.043071863
2.026915042	0.763292587	14.2091183	5.403098167	5.442929833	5.3632665	1.01485351
1.446025013	0.345668707	6.204032303	5.438385441	5.493662941	5.383107941	1.020537392
1.485368199	0.571751139	9.441849158	5.754542019	5.853053685	5.656030352	1.034834207
1.259050446	0.299026573	5.713999686	4.997334345	5.268759345	4.725909345	1.114866782
1.978769932	0.807714211	14.5230846	5.668557597	5.695387597	5.641727597	1.009511271
1.581125828	0.870468014	11.16746581	7.596589275	7.821734275	7.371444275	1.061085723
2.069279419	1.423737004	23.50000359	5.543746033	5.664851033	5.422641033	1.044666427
1.691943547	0.732223251	10.53914519	7.027087812	7.055544479	6.998631146	1.008132066
2.05815459	1.110259026	18.83869065	6.701684524	6.782889524	6.620479524	1.024531456
2.433103176	1.719428158	22.24329507	7.098384542	7.178109542	7.018659542	1.022718013

2.265443937	1.722669924	19.72367902	9.411544965	9.631648298	9.191441631	1.047893104
1.512117746	0.329868276	5.832716266	5.891894788	5.893747288	5.890042288	1.000629028
1.711800187	0.891204599	10.8090635	8.539614585	8.667721251	8.411507918	1.030459858
1.48486601	0.485004408	7.295929301	6.620541654	6.819679154	6.421404154	1.062023039
1.183433149	0.16843838	3.011733941	5.728205688	5.744208188	5.712203188	1.005602917
1.386355514	0.459444828	7.029321456	6.754146192	6.779546192	6.728746192	1.007549698
1.623548409	0.491041869	9.131681458	5.349471767	5.508731767	5.190211767	1.061369365
1.685661062	0.667800179	10.23099038	6.76180859	6.77449859	6.74911859	1.003760491
1.092460258	0.117205146	1.855325029	6.340378538	6.399991038	6.280766038	1.018982557
1.268542055	0.277219921	5.073738881	5.497476442	5.531241442	5.463711442	1.01235973
2.226555139	1.280807563	18.72323381	6.128790671	6.173880671	6.083700671	1.014823215
1.475273681	0.561539385	7.777222253	7.018066538	7.285171538	6.750961538	1.07913095
1.719874509	0.829858595	9.837939052	8.470271076	8.520551076	8.419991076	1.011943006
1.594290157	0.704600103	7.640652954	9.140687675	9.301607675	8.979767675	1.035840571
3.48101856	2.294213012	32.66967259	7.249142263	7.363392263	7.134892263	1.032025711
1.376133791	0.333092357	7.0646996	4.779927787	4.786607787	4.773247787	1.002798933
1.793870543	0.72040605	11.08041802	6.36224112	6.40320112	6.32128112	1.012959398
1.709290444	0.889823115	14.01085708	6.243565617	6.27075895	6.216372283	1.00874894
1.165020883	0.176464818	3.689149969	4.865382611	4.911077611	4.819687611	1.01896181
2.320644473	1.178462963	23.24238591	6.948106871	7.120316871	6.775896871	1.050830171
1.81028036	0.846181908	12.90742538	6.544486423	6.576901423	6.512071423	1.009955358
2.145320241	1.050488809	15.99027303	6.44770539	6.50238039	6.39303039	1.017104564
1.417824367	0.56750496	9.025066907	6.4888876	6.6146776	6.3630976	1.039537347
1.289921901	0.447321937	5.43086775	8.066967238	8.142433488	7.991500988	1.018886627
1.293229285	0.634055019	5.719412515	11.09071732	11.12062982	11.06080482	1.005408738
1.677669005	0.928092293	11.73696011	7.686150352	7.939590352	7.432710352	1.06819585
1.20926948	0.216026242	3.805076989	5.639879971	5.716674971	5.563084971	1.027608782
1.891253547	0.958174485	13.97153477	6.575329109	6.577721609	6.572936609	1.000727985
1.348126325	0.347567527	6.636949561	5.204477814	5.214312814	5.194642814	1.003786593
2.628891964	1.406675279	28.92418914	4.42429719	4.57902719	4.26956719	1.072480415
1.093446491	0.099049121	1.944959525	5.879869035	6.028504035	5.731234035	1.051868411
1.646953423	0.854046778	11.78309981	7.210074218	7.297741718	7.122406718	1.024617381
1.256517506	0.254094003	4.914790952	5.347555524	5.432070524	5.263040524	1.032116416
1.796854598	0.680053806	11.56131278	6.093412949	6.118357949	6.068467949	1.008221185
1.726743657	0.978596575	13.28223161	7.220714097	7.328506597	7.112921597	1.030308924
1.506351295	0.587511145	9.885518956	5.604192534	5.645883367	5.562501701	1.014989958
2.150158494	1.253956826	13.45134238	9.665450802	9.892925802	9.437975802	1.048204192
4.685521259	1.909329237	27.49045506	7.192900115	7.297475115	7.088325115	1.029506265
3.666626338	1.691402888	27.20778679	6.88513896	6.88563896	6.88463896	1.000145251
1.193636886	0.217719999	4.889196046	4.944252254	5.058727254	4.829777254	1.047403842
1.410939587	0.54630664	7.006425518	7.65170649	7.69602649	7.60738649	1.011651833
1.376727942	0.42300871	5.338747919	7.838113993	7.855268993	7.820958993	1.00438693
1.996917333	0.832286111	12.84929417	6.139399616	6.287619616	5.991179616	1.049479405
1.357013241	0.509716488	5.852476091	8.845858814	8.900987148	8.790730481	1.012542378
1.334175617	0.381582348	6.329809859	6.169245162	6.368740162	5.969750162	1.066835293
1.908414455	0.963893436	14.33711845	6.491350571	6.696735571	6.285965571	1.06534716
1.324315622	0.361393113	5.215494337	6.886119223	6.922876723	6.849361723	1.010733117

1.757963547	0.836200473	11.21373834	7.6241328	7.6267178	7.6215478	1.00067834
1.679816682	0.61674812	8.231966623	7.723908133	7.800264133	7.647552133	1.019968743
1.310161426	0.411345455	5.752903499	7.459978317	7.662663317	7.257293317	1.055856913
1.169961408	0.110321176	2.72822951	4.175669368	4.269469368	4.081869368	1.045959335
1.285552073	0.354800844	5.742455694	6.178720543	6.197180543	6.160260543	1.005993253
1.352492036	0.354236712	8.131043195	4.350192	4.449497	4.250887	1.046722014
1.238544392	0.164584296	4.08674067	4.414354485	4.584824485	4.243884485	1.080336777
1.730316292	0.954551086	12.68441212	7.711914095	7.899786595	7.524041595	1.049939251
1.61735058	0.604583251	8.90231596	7.139204275	7.416691775	6.861716775	1.080879905
2.174304863	0.925331791	16.14717417	5.541966722	5.599851722	5.484081722	1.021110189
2.312339143	1.047675369	17.13168276	5.565336567	5.638621567	5.492051567	1.026687659
1.297827445	0.322830281	5.295188601	6.014912845	6.121791178	5.908034511	1.036180673
1.631927222	0.644051067	9.782677499	6.210944515	6.318264515	6.103624515	1.03516599
1.316199248	0.338241337	6.229985522	5.596616035	5.778611035	5.414621035	1.067223541
2.242760784	1.086360225	17.24044263	6.63999953	6.65744453	6.62255453	1.00526836
1.753449733	0.794562975	12.51346423	6.753801808	6.875491808	6.632111808	1.03669721
1.858427912	1.134509116	14.35518844	7.514390144	7.749805144	7.278975144	1.064683557
1.875395811	0.545196284	11.56310661	4.786783108	4.808543108	4.765023108	1.009133219
1.289587468	0.308789748	6.85380879	4.345853032	4.404940532	4.286765532	1.027567405
1.350456904	0.438627537	6.837005369	6.333711737	6.495772987	6.171650487	1.052517961
1.942069191	0.585244451	14.36255757	3.920786551	3.968276551	3.873296551	1.024521747
1.289670377	0.174437287	4.234381706	4.190995552	4.251605552	4.130385552	1.02934835
1.618571354	0.578262039	8.501096362	6.917840366	6.983732866	6.851947866	1.019233217
1.40213078	0.507932347	6.443417526	7.777589322	7.855255988	7.699922655	1.020173363
2.745013134	1.273064813	18.60786534	7.766869977	7.962604977	7.571134977	1.05170559
2.480279603	1.034163202	21.82493354	4.442033062	4.468923062	4.415143062	1.012180806
4.147855003	1.516129223	28.49121655	5.375584162	5.418014162	5.333154162	1.015911785
1.476446236	0.591869717	7.961973285	7.891903819	7.941927153	7.841880486	1.012757994
1.825863389	0.772059521	12.90170043	6.207966654	6.293371654	6.122561654	1.027898453
1.726127834	0.75857466	10.37839889	7.31564477	7.47021727	7.16107227	1.043170211
1.514271506	0.568898944	8.490347224	6.851061205	6.944031205	6.758091205	1.027513686
1.449759796	0.317518695	6.459566684	4.80847363	4.84822363	4.76872363	1.016671128
1.526087663	0.445753373	8.422721521	5.396997366	5.472799033	5.3211957	1.028490464
1.342076471	0.401156769	7.067341621	5.514979825	5.689782325	5.340177325	1.065466927
1.351175233	0.227246615	5.3461701	4.280688367	4.376128367	4.185248367	1.045607807
1.798077802	0.69429457	10.57545461	6.887717832	6.918682832	6.856752832	1.009031972
1.376017488	0.487776693	6.427724144	7.391744539	7.424612872	7.358876206	1.008932976
1.223553185	0.23220534	4.668550975	4.963588854	5.071453854	4.855723854	1.04442798
2.230793559	0.808095534	16.32674272	4.940008133	4.948911466	4.9311048	1.003611091
1.965028289	0.684497123	16.72097914	4.250623974	4.256736474	4.244511474	1.00288019
1.785480024	0.819768941	14.87058223	5.422430039	5.592477539	5.252382539	1.064750615
1.198567533	0.262871221	4.891735	5.472718498	5.698428498	5.247008498	1.086033785
1.408545727	0.403950163	7.161124011	5.757073275	5.779408275	5.734738275	1.00778937
1.694267499	0.715459599	11.7501474	5.856150532	5.872935532	5.839365532	1.005748912
1.908387675	0.846591342	13.15801737	6.191516953	6.209446953	6.173586953	1.005808617
2.069487641	1.220052582	16.05204294	7.736626974	7.827831974	7.645421974	1.023858722
2.731021745	1.037809816	17.00813958	6.71602557	6.79860057	6.63345057	1.024896545

1.236143515	0.290391055	4.945455461	5.854650103	5.869090103	5.840210103	1.004945028
1.33431587	0.276591533	6.127875754	4.40920904	4.44352904	4.37488904	1.015689541
1.480133762	0.624545635	9.882139271	6.189210644	6.214417644	6.164003644	1.008178775
1.376617151	0.446415369	5.757711758	7.757416108	7.789887775	7.724944442	1.008406964
1.886652109	1.164203018	13.74079178	8.048310387	8.100030387	7.996590387	1.012935513
1.528076699	0.679965991	8.344576084	8.278228804	8.356043804	8.200413804	1.018978311
1.376980777	0.421202568	6.913277603	6.034209485	6.083381152	5.985037818	1.016431531
1.396693893	0.445876722	7.997546575	5.233625642	5.344560642	5.122690642	1.043311224
1.942039806	0.697831829	13.17266506	5.014021478	5.028108978	4.999933978	1.005635074
1.59560281	0.440202561	10.00293021	4.593826418	4.709653918	4.477998918	1.051731812
1.537786497	0.664006443	8.638219241	7.538303834	7.727596334	7.349011334	1.051515093
1.361169568	0.417870043	6.809712186	6.1158293	6.3516393	5.8800193	1.08020722
1.497385506	0.229922223	6.011015649	3.84563565	3.89608565	3.79518565	1.026586315
2.789847557	1.112198366	25.52698111	4.233925925	4.239095925	4.228755925	1.002445164
1.81774334	0.820759736	12.32581071	6.932230557	6.936765557	6.927695557	1.001309238
1.374901434	0.417825785	6.857718816	6.114870186	6.336745186	5.892995186	1.075301266
1.344682313	0.378981827	7.61869593	4.95324447	4.968817804	4.937671137	1.006307967
1.411707405	0.657228853	7.006722985	9.291170586	9.438790586	9.143550586	1.032289426
1.4776586	0.589358461	8.04524192	7.424204119	7.503780786	7.344627452	1.021669354
1.226437052	0.239398706	4.812904088	4.982304281	5.001833726	4.962774837	1.007870373
1.134558951	0.13049207	3.147327354	3.980722649	4.032812649	3.928632649	1.026518132
1.471185989	0.669769849	10.13344461	6.359116324	6.379978824	6.338253824	1.006583043
1.26670354	0.199512675	4.686746268	4.248108566	4.302678566	4.193538566	1.026025753
1.297236889	0.56290227	6.835093517	8.22089872	8.30631372	8.13548372	1.020998137
1.569378823	0.823662121	10.21570818	8.058377262	8.185367262	7.931387262	1.032022141
1.834734674	0.778208979	11.25608611	7.068438976	7.116463976	7.020413976	1.013681529
1.395438922	0.41301694	6.552026991	6.785987467	6.834922467	6.737052467	1.014527125
1.398369191	0.419576991	8.912507587	4.768005806	4.842950806	4.693060806	1.031938644
1.509120944	0.411949866	7.29238041	5.572659275	5.572659275	5.572659275	1
1.650313615	0.83125856	14.08782109	6.015962461	6.358277461	5.673647461	1.120668407
1.639816527	0.828360571	12.74306983	7.132905369	7.384605369	6.881205369	1.073155788
1.43721573	0.413968926	6.547727247	6.186848117	6.194248117	6.179448117	1.002395036
2.931273251	1.52299915	24.29527618	5.87761524	6.07376524	5.68146524	1.069049089
2.661467054	1.524067057	23.46205855	6.139157629	6.212542629	6.065772629	1.024196423
1.834011022	0.855162183	13.41959633	6.261632973	6.495977973	6.027287973	1.077761342
1.303833676	0.349627059	5.239657915	6.765804845	6.830541512	6.701068179	1.019321298
1.505451897	0.592821022	9.465948935	6.375166584	6.390776584	6.359556584	1.004909147
1.325218301	0.4551894	6.366427666	7.352521145	7.360211145	7.344831145	1.00209399
1.35001451	0.360022164	8.005978436	4.901461542	4.969401542	4.833521542	1.028112009
1.962110588	0.984182681	14.32707683	7.095856956	7.143411956	7.048301956	1.01349403
1.160466751	0.170503086	2.968662056	5.873509462	5.921074462	5.825944462	1.016328683
2.643282037	1.103910968	19.38761444	5.351336486	5.483746486	5.218926486	1.050742236
1.358631472	0.343679227	6.46098736	5.327536404	5.368486404	5.286586404	1.015492038
1.237861068	0.254463322	4.375154077	5.815998688	5.853342021	5.778655354	1.012924575
2.569560357	1.483096542	27.08057677	4.897483244	4.918513244	4.876453244	1.008625121
1.462754175	0.527529495	12.0027401	4.185943533	4.276208533	4.095678533	1.044078166
1.51929433	0.589152465	9.707924607	6.078129462	6.188919462	5.967339462	1.037132126

2.258286037	0.945023536	16.0598298	5.592050504	5.648035504	5.536065504	1.020225555
1.459495872	0.263786938	6.631754528	3.970475439	4.010850439	3.930100439	1.020546549
2.684500009	1.696760741	24.61324607	8.101075285	8.837990285	7.364160285	1.200135513
2.238631974	0.718581031	15.68655819	5.416812915	5.512695415	5.320930415	1.03603975
1.304895784	0.347711745	7.3012855	4.974938784	5.121598784	4.828278784	1.060750427
2.083599853	0.911130274	13.49680483	6.69378922	6.84430422	6.54327422	1.046006019
1.201624687	0.214850827	4.468045487	4.886962056	4.930057056	4.843867056	1.017793635
1.241154612	0.170018539	4.613010045	3.632533137	3.734243137	3.530823137	1.057612628
1.453311231	0.554009028	11.04656184	5.108250471	5.176747971	5.039752971	1.02718288
2.286160396	1.305760002	16.99168626	7.303049743	7.433359743	7.172739743	1.036334791
2.050818888	0.8632951	13.83375438	6.505281325	6.620826325	6.389736325	1.036165812
4.091256352	2.240491534	39.70316471	6.059801183	6.092486183	6.027116183	1.010845983
2.96512037	2.114836739	37.32142972	5.190061575	5.210439075	5.169684075	1.00788346
1.694970503	0.629385285	14.61071172	5.482933033	5.615793033	5.350073033	1.049666612
1.702460391	0.485727733	12.58134741	3.760664347	3.812774347	3.708554347	1.028102595
1.17986815	0.169354742	3.52355989	4.748988176	4.750863176	4.747113176	1.000789954
1.228743338	0.227622542	4.610884618	4.726527844	4.731217844	4.721837844	1.001986515
1.476477082	0.604786177	8.011414951	7.789389258	8.007779258	7.570999258	1.057691196
1.541841158	0.614156255	7.560442425	7.89430399	8.070410657	7.718197323	1.045634145
1.43040691	0.468944554	8.773907024	5.284534191	5.453844191	5.115224191	1.066198467
1.625611649	0.642594673	10.31381079	5.738773184	5.789978184	5.687568184	1.018005938
1.273087812	0.412751799	6.087620705	6.936514774	6.987082274	6.885947274	1.014687159
1.750130299	0.619545961	9.934833788	6.273127523	6.334322523	6.211932523	1.019702403
1.805330849	0.664935787	11.62193507	5.538704377	5.666929377	5.410479377	1.047398758
1.622657612	0.655663214	10.95761024	6.183785411	6.360571411	6.006999411	1.058860002
1.614198902	0.663656607	9.548360394	7.196910374	7.316727874	7.077092874	1.033860655
1.449234256	0.47357114	7.823590695	6.135708698	6.226356198	6.045061198	1.029990598
1.993932589	0.933540406	11.05849814	7.94784891	8.15845891	7.73723891	1.054440609
1.671525551	0.498864482	10.72155617	4.490485019	4.584030019	4.396940019	1.042550046
1.182195378	0.432477175	3.84235992	11.24693035	11.33828035	11.15558035	1.016377454
1.9309205	0.894183355	14.34792391	6.398231585	6.445651585	6.350811585	1.014933524
2.467130248	1.341097083	18.36451098	7.022663536	7.175601036	6.869726036	1.044525065
2.054933245	1.052309345	14.79004185	6.694253242	6.802750742	6.585755742	1.032949142
3.487949008	1.321625803	18.6430723	7.323910703	7.432275703	7.215545703	1.030036536
1.764187181	0.824379778	16.25743532	4.868095647	4.902830647	4.833360647	1.014373022
2.063981816	1.239267388	16.23592066	7.287103344	7.377758344	7.196448344	1.025194372
1.945446914	0.656944939	14.12577668	4.55087377	4.56125877	4.54048877	1.004574397
1.530791422	0.590698895	10.4855921	5.301979788	5.314934788	5.289024788	1.004898824
2.615452802	1.159484858	19.01851397	5.720536907	5.745206907	5.695866907	1.008662422
2.656665901	1.145790104	20.81916861	5.114373802	5.162016302	5.066731302	1.01880601
1.596652516	0.748012878	9.408622525	7.313914431	8.070389431	6.557439431	1.23072268
1.840587501	0.640416821	10.85303155	6.272054717	6.382749717	6.161359717	1.035932004
1.301827942	0.208557182	4.369682556	4.717989033	4.746429033	4.689549033	1.012129098
1.189160256	0.228844946	5.083789201	4.528249777	4.569154777	4.487344777	1.018231271
1.326804691	0.603652786	7.749313674	8.000416809	8.023689309	7.977144309	1.005834795
1.313073959	0.525319634	7.353731945	6.833808765	7.003408765	6.664208765	1.050898766
2.617628841	0.914138983	15.97843791	5.585910627	5.850915627	5.320905627	1.099608983

1.455940364	0.442482557	7.3420504	5.905714462	5.931629462	5.879799462	1.008814926
1.748409946	0.725570386	11.73436253	6.214150981	6.299830981	6.128470981	1.027961297
2.3100899	0.959737291	15.72647182	5.579547803	5.658680303	5.500415303	1.028773282
1.898646891	0.693940192	11.12584505	6.335620561	6.337670561	6.333570561	1.000647344
1.31279049	0.215227595	5.457269264	3.881189697	3.883317197	3.879062197	1.001096915
1.25308721	0.187593052	4.98451317	3.867789746	3.982474746	3.753104746	1.061114734
1.544506567	0.581356194	9.966885784	5.77841901	5.86199401	5.69484401	1.029351111
1.71948633	0.416730464	8.73575409	5.068753243	5.132550743	5.004955743	1.025493732
1.608806581	0.681072837	13.25480628	4.719694744	4.782569744	4.656819744	1.027003407
1.192542295	0.14208593	3.18368788	4.436102823	4.475842823	4.396362823	1.018078581
1.384695584	0.298985812	7.115566472	4.210281261	4.305916261	4.114646261	1.046485162
1.263954612	0.172237683	4.259364221	4.551837759	4.829637759	4.274037759	1.129994172
1.760495399	0.634901249	15.03104483	4.754741468	4.858763968	4.650718968	1.044733944
1.394945766	0.423384998	6.484115587	6.559652975	6.590452142	6.528853808	1.009434785
1.214052941	0.139446366	3.682926164	4.169349473	4.218744473	4.119954473	1.02397842
1.546859891	0.41451918	7.826774448	5.050862551	5.079625051	5.022100051	1.011454372
1.260149936	0.202959839	4.557837462	4.422318583	4.458031083	4.386606083	1.01628252
1.212503475	0.112044388	3.235440161	3.456945149	3.560065149	3.353825149	1.061493963
1.118342331	0.118468399	2.541722131	4.685960037	4.694590037	4.677330037	1.003690139
1.471444292	0.552168929	9.301776021	5.71131597	5.76324097	5.65939097	1.018350031
1.468653302	0.633193185	8.448447646	7.288751752	7.306438419	7.271065085	1.004864945
2.184172443	0.976392596	15.98006816	6.060745892	6.162125892	5.959365892	1.034023754
2.20808115	1.36166986	16.06245443	8.119837476	8.382329476	7.857345476	1.066814422
1.933847109	1.112978835	14.9091929	7.372718395	7.681378395	7.064058395	1.087388859
1.648825099	0.721750119	8.470280755	9.028540147	9.208620147	8.848460147	1.040703127
1.319376479	0.427633915	6.873577893	6.299539034	6.422166534	6.176911534	1.039705118
1.336051226	0.300615274	6.590090246	4.566384445	4.600309445	4.532459445	1.014969797
1.965206028	0.639835104	13.74361194	4.812378222	4.827713222	4.797043222	1.006393522
1.44075358	0.540427104	8.590143312	6.197401845	6.257876845	6.136926845	1.019708561
3.119556422	1.436752727	30.84749881	4.257506139	4.286781139	4.228231139	1.013847398
1.679192783	0.464140458	9.269856812	5.495932744	5.620522744	5.371342744	1.046390635
1.754332454	0.735425503	14.59735831	4.895303285	4.993383285	4.797223285	1.040890321
1.45163327	0.548249523	8.290283764	6.208118658	6.384043658	6.032193658	1.058328698
1.328943398	0.539509332	7.200532444	7.886102656	7.973157656	7.799047656	1.022324521
1.477577381	0.402153183	8.204710923	4.868767806	4.884192806	4.853342806	1.006356444
1.814490472	0.944129885	12.74949016	7.411620685	7.479139018	7.344102352	1.018387089
1.156255088	0.097666697	2.544701553	3.743270192	3.824350192	3.662190192	1.044279513
1.949810943	1.052660016	13.42741825	7.622410074	7.893793407	7.351026741	1.073835491
1.463315522	0.780024826	9.847047499	8.135127687	8.182615187	8.087640187	1.011743228
1.611218338	0.57419203	9.549889731	5.770795929	5.838800929	5.702790929	1.023849726
1.837253605	0.770481392	11.51568139	6.787311079	6.796348579	6.778273579	1.002666608
1.432855639	0.463225994	7.41681528	6.164464329	6.179554329	6.149374329	1.004907816
1.482657482	0.410456973	8.055715154	4.944394394	5.009274394	4.879514394	1.02659281
2.066760391	0.634254659	12.68658645	4.780652943	4.802662943	4.758642943	1.009250536
2.119145075	1.108060327	20.86131266	5.406760546	5.420955546	5.392565546	1.005264656
1.483572034	0.315863633	7.44529483	4.160130245	4.227502745	4.092757745	1.032922789
1.627273901	0.597024236	9.546005572	5.969195811	6.037370811	5.901020811	1.023106172

1.40796188	0.270684096	6.424045783	5.591438655	5.872178655	5.310698655	1.105726202
2.131064474	1.303664856	16.664564	8.086240515	8.202250515	7.970230515	1.029110827
1.348867364	0.556470781	6.904257833	7.681967612	7.866597612	7.497337612	1.04925215
1.144002466	0.127344672	2.974024152	4.279919437	4.336384437	4.223454437	1.026738775
1.935635973	1.455621166	15.59091938	8.764192012	8.852602012	8.675782012	1.020380872
1.417543809	0.579923097	7.478664787	7.729310995	7.762803495	7.695818495	1.008704077
1.80849908	0.994082805	13.51836498	7.203776073	7.223558573	7.183993573	1.005507382
1.537160775	0.653026001	10.63634875	5.910772033	6.085732033	5.735812033	1.061006183
1.446936277	0.36047597	7.835940293	4.311620402	4.405165402	4.218075402	1.044354352
3.539818837	1.937511911	22.58406245	9.120282311	9.134837311	9.105727311	1.003196889
2.651145734	1.987158375	27.64685482	7.726899333	7.739559333	7.714239333	1.003282242
1.721292812	0.698437369	10.73192061	6.345785718	6.358937384	6.332634051	1.004153617
1.62403327	0.587474791	9.160185383	6.355420451	6.493840451	6.217000451	1.044529513
1.445688032	0.459897796	8.848194969	5.063568119	5.123998119	5.003138119	1.024156839
1.345152615	0.367226511	8.154347736	4.301754689	4.344089689	4.259419689	1.019878295
1.317644122	0.342701576	6.408111912	5.28856545	5.30698045	5.27015045	1.006988415
1.307478502	0.253385547	4.608075003	5.676338407	5.686910907	5.665765907	1.003732064
2.324887957	0.966940082	17.73746035	5.347857055	5.425549555	5.270164555	1.029483899
1.252596214	0.152496486	3.946425021	3.78490653	3.82696653	3.74284653	1.022474873
1.179868566	0.15416304	3.921537262	3.995488882	3.996925549	3.994052215	1.000719403
1.252859841	0.487076988	4.574262853	10.42477308	10.46264558	10.38690058	1.007292358
1.228203472	0.45442971	3.975959704	11.239884	11.3379515	11.1418165	1.017603503
1.3773776	0.247746244	7.234302531	3.37745938	3.47560438	3.27931438	1.059857024
1.320118899	0.4765001	6.489715822	7.291432322	7.423667322	7.159197322	1.036941292
1.563607822	0.647435284	9.30075619	7.052464465	7.080822798	7.024106131	1.008074574
1.625705824	0.754896293	13.81530912	5.304403688	5.393103688	5.215703688	1.034012668
1.335398119	0.304222152	5.833142811	5.18224742	5.23474992	5.12974492	1.020469829
1.215079428	0.245881397	5.329638026	4.43118562	4.47674162	4.38562962	1.020775124
1.960329361	0.845507074	13.16789128	5.644928743	5.852413743	5.437443743	1.076317111
1.395225061	0.416537619	6.51355821	6.325267397	6.391907397	6.258627397	1.021295404
2.075371761	1.149696609	20.05508454	5.649482436	5.773517436	5.525447436	1.044895912
2.131687973	0.9127629	17.76757268	4.918384394	4.941562728	4.895206061	1.009469809
1.622508285	0.837471709	11.93520981	7.065771972	7.175220306	6.956323639	1.031467292
2.263136624	1.765308761	20.92306674	8.365731358	8.403811358	8.327651358	1.009145436
1.600108897	0.49979592	8.055602993	6.364504986	6.370324986	6.358684986	1.001830567
1.250520784	0.393014817	5.082354387	7.794297525	7.937890025	7.650705025	1.037537063
1.674127351	0.816689596	11.23243269	7.670415219	7.716165219	7.624665219	1.012000527
1.345447013	0.395201289	7.44978411	5.180203785	5.189568785	5.170838785	1.003622236
1.259411784	0.376471077	6.415943924	6.201024446	6.529739446	5.872309446	1.11195425
2.129318565	0.929192303	15.6587536	6.086759965	6.324329965	5.849189965	1.081231761
1.807824005	0.588199757	9.874983308	5.879140051	6.036145051	5.722135051	1.05487637
1.282619601	0.149956767	4.063032629	3.802515034	3.886955034	3.718075034	1.045421353
1.195215411	0.091246349	2.645062117	3.512025836	3.570840836	3.453210836	1.03406395
1.149275306	0.102896727	2.978482185	3.387091172	3.420566172	3.353616172	1.019963525
2.285854367	1.094126692	21.76088234	5.582051181	5.794591181	5.369511181	1.079165493
1.310885751	0.343632088	7.12805714	4.712739725	4.755164725	4.670314725	1.01816794
1.239866554	0.141345012	3.694943199	4.023657158	4.302477158	3.744837158	1.148909012

1.503926384	0.274415413	6.677336264	4.03920613	4.06864113	4.00977113	1.014681636
1.127904577	0.079774133	2.201918465	5.077868411	5.263638411	4.892098411	1.07594696
1.258147587	0.150686923	4.148593414	3.959567731	4.143634398	3.775501064	1.097505822
1.418617371	0.460845847	6.714678787	6.903546139	6.947111139	6.859981139	1.012701201
2.045588752	0.912801899	14.17684622	6.894646056	7.117986056	6.671306056	1.066955405
1.678125764	0.664519341	12.05217675	5.367143956	5.455518956	5.278768956	1.033483185
1.222805866	0.259459514	4.9871143	5.116673861	5.215653861	5.017693861	1.039452387
1.388567103	0.399192427	7.131859769	5.760158648	5.893963648	5.626353648	1.047563665
1.552591923	0.521156508	8.834417065	5.877600839	5.934800839	5.820400839	1.019655004
1.510735774	0.619206708	8.247340928	7.344960163	7.591485163	7.098435163	1.069458971
1.776865501	0.797823622	12.73164401	6.55150793	6.57084043	6.53217543	1.005919161
1.511984414	0.607916112	9.988552895	5.535182207	5.541427207	5.528937207	1.002259024
1.330156844	0.392518713	6.690260386	6.133968267	6.171758267	6.096178267	1.012397931
1.391916532	0.510595369	7.742852471	6.704320443	6.907320443	6.501320443	1.062448852
1.444783769	0.311109078	6.660991417	5.832075418	5.984353751	5.679797084	1.053621047
1.58593795	0.80846553	7.277016197	11.01788272	11.04896772	10.98679772	1.00565861
1.539555823	0.602320395	8.587979969	7.151531834	7.441861834	6.861201834	1.084629488
1.585792959	0.891473823	9.964689244	8.804490702	8.864195702	8.744785702	1.013654994
1.308200377	0.316525362	5.57690581	5.694763279	5.702085279	5.687441279	1.002574796
1.796538176	0.652292994	11.63717197	5.536780741	5.556203241	5.517358241	1.007040507
1.516067313	0.488087692	11.25027896	4.234206436	4.394641436	4.073771436	1.078764851
1.625692893	0.762155694	9.671563983	7.823254522	8.199452022	7.447057022	1.101032528
1.494664242	0.543234989	8.181037301	6.753319285	6.814179285	6.692459285	1.018187634
1.109402866	0.118617253	2.508099291	5.006137846	5.012827846	4.999447846	1.002676296
1.432343056	0.329627922	6.354641401	5.125346614	5.139899948	5.110793281	1.005695137
2.024150734	0.81334508	14.7182109	5.673099685	5.911763018	5.434436352	1.087833703
1.18595052	0.134878397	3.031757088	4.350286172	4.396996172	4.303576172	1.021707528
2.044749418	0.69927177	12.28878584	5.425560964	5.718265964	5.132855964	1.114051515
1.477440055	0.588097626	7.280423212	8.255219421	8.266629421	8.243809421	1.002768138
2.453879072	1.373978654	19.73320605	6.505589602	6.592714602	6.418464602	1.027148237
1.312963259	0.304027244	7.356512643	4.063908092	4.155733092	3.972083092	1.046235186
1.337670721	0.153599504	4.788096221	2.993570079	3.050250079	2.936890079	1.038598653
1.535665619	0.585555947	9.058291395	6.621139766	6.719612266	6.522667266	1.030193936
1.207151585	0.094871674	2.582627051	3.714370716	3.759300716	3.669440716	1.024488746
1.340256514	0.282009	6.094528698	4.92304666	5.11023166	4.73586166	1.079050029
2.642715934	1.202527522	18.74199694	7.68041336	7.73212336	7.62870336	1.013556694
1.671788479	0.755557687	10.80781823	6.701442093	6.806732093	6.596152093	1.031924673
1.10734332	0.096215274	2.162249022	4.465417289	4.480507289	4.450327289	1.006781524
1.236182059	0.191890963	3.850983591	4.842909071	4.864511571	4.821306571	1.008961264
2.336239427	0.983587956	14.96492389	6.867884739	6.887309739	6.848459739	1.005672808
2.51358065	1.37554326	31.15642449	4.672042765	4.759027765	4.585057765	1.037942815
1.61829529	0.785165557	9.569528855	8.73894526	8.86104526	8.61684526	1.028339838
1.202943148	0.410104882	4.42637025	9.34300988	9.39538738	9.29063238	1.011275336
3.502967805	1.600366744	23.09267291	7.402160511	7.488435511	7.315885511	1.023585662
1.512630027	0.326098521	7.345448412	4.459407553	4.462690053	4.456125053	1.001473253
1.541997706	0.752435661	9.960883302	7.829823823	8.029266323	7.630381323	1.052275893
1.305339015	0.223072471	5.14797626	4.622699698	4.878079698	4.367319698	1.116950449

2.129445762	0.817564906	13.98492015	5.712462253	5.763337253	5.661587253	1.017971992
1.418761492	0.421241313	6.5642616	6.570798211	6.590804461	6.550791961	1.00610804
1.56830511	0.553565869	8.750623106	6.402843744	6.881333744	5.924353744	1.161533231
3.035156393	1.277322914	23.91417028	6.488204116	6.836259116	6.140149116	1.113370211
1.185143546	0.166488191	3.861474159	4.628758735	4.882943735	4.374573735	1.11621018
1.2395456	0.121503092	3.359169454	3.614271183	3.621891183	3.606651183	1.004225526
1.960208356	1.161448326	12.11190717	9.168274041	9.318419041	9.018129041	1.033298481
1.670543268	0.694624037	10.20225343	6.693556637	6.934531637	6.452581637	1.074691035
1.63933431	0.451019279	10.16666681	4.599568693	4.619413693	4.579723693	1.008666462
1.168461237	0.212182881	4.652774004	4.586120346	4.586975346	4.585265346	1.000372934
1.584689317	0.586660051	11.82646417	4.767083933	4.870598933	4.663568933	1.04439304
1.434797431	0.380838696	7.404524493	5.050633346	5.069465013	5.031801679	1.007485059
1.363763553	0.232573479	5.504467641	4.195583166	4.284328166	4.106838166	1.043218163
1.176265913	0.15406304	4.006638127	3.69400444	3.79336444	3.59464444	1.055282241
1.612685722	0.77293288	10.61276833	7.290883334	7.307428334	7.274338334	1.004548867
1.540617273	0.365634101	7.763951672	4.86891794	4.93966294	4.79817294	1.029488308
2.302558195	1.076069219	16.0336337	6.859943826	6.862771326	6.857116326	1.000824691
2.152432866	0.917590547	13.55541114	6.455985968	6.566245968	6.345725968	1.034750949
3.699103713	1.730605971	29.92957424	5.652741132	5.722831132	5.582651132	1.025109934
1.530471639	0.483660687	8.576042957	5.830696957	5.902514457	5.758879457	1.024941484
1.432833844	0.559853997	6.938202141	8.509594681	8.596086348	8.423103014	1.02053677
1.244064383	0.227913079	4.685621112	4.781074951	4.787059951	4.775089951	1.002506759
1.150356258	0.154657047	3.444223902	4.501478197	4.523035697	4.479920697	1.009624054
1.517456909	0.549642791	9.079052048	6.010856274	6.045296274	5.976416274	1.011525302
1.341970445	0.535708929	5.984154041	8.94205958	9.05027958	8.83383958	1.024501237
1.275238699	0.319575405	6.823263439	4.653393854	4.667352854	4.639434854	1.006017543
2.176765006	0.938379572	19.56004949	4.40023551	4.47419801	4.32627301	1.034192248
1.661873015	0.707838552	11.25294074	6.115083713	6.239420713	5.990746713	1.041509684
1.461932334	0.677783592	8.673607337	8.376281691	8.503534191	8.249029191	1.030852721
1.454993675	0.732529118	9.273295615	8.172911492	8.240363159	8.105459825	1.016643514
1.949452992	0.807782797	13.0476404	6.135441014	6.143455181	6.127426848	1.002615834
1.639820062	0.576341406	9.668311534	6.290148645	6.329681145	6.250616145	1.012649153
1.800165602	0.824673288	10.66009442	7.781357818	8.016515318	7.546200318	1.062324744
2.019852543	1.017906867	18.57129736	5.634406194	5.717751194	5.551061194	1.030028493
1.519183692	0.730189806	9.47819466	8.055707946	8.136767113	7.97464878	1.020329213
1.240246124	0.251454559	3.838282112	6.869296869	6.889801869	6.848791869	1.005987917
1.575621982	0.551689452	10.17963879	5.20681095	5.22248095	5.19114095	1.006037208
4.022274604	1.368856189	21.88947423	7.496477702	7.612362702	7.380592702	1.031402627
1.613957703	0.716052124	9.882865087	7.017556614	7.029454948	7.005658281	1.003396778
2.789504216	1.10362416	22.8765618	4.864905255	4.989401505	4.740409005	1.052525531
1.348552307	0.320058114	6.531016108	5.205168998	5.338125665	5.072212331	1.052425513
1.346247121	0.536570238	5.997215121	9.164634657	9.208544101	9.120725212	1.009628498
1.160534528	0.143377741	3.473477382	4.055671815	4.061071815	4.050271815	1.002666488
1.148719339	0.086480881	2.269152154	3.788136896	3.788136896	3.788136896	1
1.480232611	0.506580075	9.340953204	5.443089051	5.640419051	5.245759051	1.075234107
1.560691935	0.792058082	9.051899708	9.081483325	9.169579992	8.993386658	1.019591433
1.411734642	0.513686746	6.215810773	8.392339891	8.516144891	8.268534891	1.029946055

1.261352678	0.400343626	4.083573443	9.577574645	9.759019645	9.396129645	1.038621221
1.558217873	0.611333165	10.22744504	5.832813668	5.858103668	5.807523668	1.008709392
1.838101899	0.924683085	12.93022232	6.954790101	7.113950101	6.795630101	1.046841867
1.263277419	0.15339028	3.612044872	4.351152054	4.417622054	4.284682054	1.031026806
1.725608334	0.861165724	10.80440787	8.104751719	8.290050052	7.919453386	1.046795738
1.851837252	0.745596821	12.66807302	6.022866041	6.059483541	5.986248541	1.012233872
1.887435023	0.825790453	12.11853719	7.16662759	7.217944257	7.115310923	1.014424294
1.390659506	0.397212654	6.056326434	6.724590857	6.870190857	6.578990857	1.044262107
1.810792232	0.84036012	11.05455684	7.709510618	7.723275618	7.695745618	1.003577301
1.387362811	0.499434044	6.446844694	7.880292482	7.921432482	7.839152482	1.010496033
3.400867763	1.608502937	20.23646483	7.589441181	7.789206181	7.389676181	1.054065969
1.657815927	0.856872713	9.841924676	8.71435085	8.79556585	8.63313585	1.018814716
1.918170675	1.180232067	17.37029609	6.734535438	7.022735438	6.446335438	1.089415142
1.551191587	0.358366129	7.896289708	5.596334078	5.631171578	5.561496578	1.012528103
1.173319522	0.159870912	3.311993495	4.698170399	4.737110399	4.659230399	1.016715207
1.933982843	1.018904636	16.47035236	5.973779475	6.249236975	5.698321975	1.096680216
1.384935574	0.352512954	7.784280617	4.403903518	4.437858518	4.369948518	1.015540229
1.694959675	0.538543821	9.591349936	5.686861909	5.819381909	5.554341909	1.047717624
2.37250711	1.281031527	14.28239487	8.902742684	9.046617684	8.758867684	1.03285242
1.426084406	0.34745139	7.954735911	4.355280704	4.378192704	4.332368704	1.010577124
2.707496567	1.289613716	25.76756615	5.100519765	5.156129765	5.044909765	1.022045984
2.178936776	1.085664445	18.80635282	5.644340493	5.754450493	5.534230493	1.039792343
1.234078801	0.211221754	4.897108324	4.416765876	4.605010876	4.228520876	1.089035862
1.545619918	0.494868081	9.914019068	4.985305871	5.028660871	4.941950871	1.017545703
1.536161576	0.443749323	8.015718701	5.435528397	5.540885897	5.330170897	1.039532504
1.307305975	0.221410501	5.298424215	4.992531835	5.038271835	4.946791835	1.018492794
1.358827916	0.267612764	5.682446822	4.712459074	4.847924074	4.576994074	1.059193872
1.96722168	0.869823847	15.92479731	5.376333608	5.410203608	5.342463608	1.012679544
1.640849668	0.447665807	10.00495649	4.46712241	4.47695741	4.45728741	1.004412998
1.42183651	0.501881656	8.753996133	6.046207139	6.095369639	5.997044639	1.016395576
1.619994756	0.453093089	7.266227916	6.195415906	6.351045906	6.039785906	1.051534939
1.647304988	0.858540027	9.890429635	8.547996907	8.664216907	8.431776907	1.027567143
1.898989043	0.860699024	11.10771629	7.7020689	7.7983639	7.6057739	1.025321552
1.254390982	0.265860124	4.92202508	4.776566537	4.776566537	4.776566537	1
1.257608096	0.512746491	5.143844967	9.804677675	9.896687675	9.712667675	1.018946391
2.611913512	1.106254702	24.67239505	4.597812498	4.670362498	4.525262498	1.032064438
1.44272546	0.813208068	7.567985795	10.80488909	10.83444659	10.77533159	1.005486142
1.24086763	0.504714305	4.993210154	9.877543269	9.939813269	9.815273269	1.012688388
2.243428898	1.094011766	15.76113324	7.157948264	7.309863264	7.006033264	1.043366908
1.458021284	0.447631553	6.243927915	7.238647791	7.260042791	7.217252791	1.005928849
1.596918826	0.533540674	9.141889151	5.637377473	5.704777473	5.569977473	1.024201175
1.857764872	0.758370201	11.84118714	6.717088395	6.787452145	6.646724645	1.021172458
2.117417323	0.904421659	19.53360003	4.687846667	4.712831667	4.662861667	1.010716595
1.327477482	0.386969663	6.527465409	5.79470239	5.94521739	5.64418739	1.053334516
1.19664571	0.216311793	5.557013563	3.888858683	3.890826183	3.886891183	1.001012377
1.111377465	0.066108477	2.016922351	4.588869925	4.695609925	4.482129925	1.047629141
1.26710454	0.17748483	4.571900532	4.219573885	4.238783885	4.200363885	1.009146827

2.420687696	1.12000879	12.96746651	8.720537366	8.723487366	8.717587366	1.000676793
1.195813487	0.133024752	3.401648064	3.889608047	3.913040547	3.866175547	1.012121798
1.397925389	0.325224765	8.137321145	4.373570377	4.504192877	4.242947877	1.061571579
1.47624234	0.325220849	8.074366671	4.014256483	4.031971483	3.996541483	1.008865165
1.215019555	0.230557476	4.846789851	4.678438623	4.688054623	4.668822623	1.00411924
1.694058498	0.604698551	14.5777178	4.138740588	4.380745588	3.896735588	1.124209095
1.158242354	0.131088869	3.235482892	4.048260785	4.139203285	3.957318285	1.045961681
1.443392407	0.493792869	9.041240922	5.277532702	5.390180202	5.164885202	1.043620524
1.317929875	0.216683413	5.14490015	4.119416402	4.160071402	4.078761402	1.019934973
1.579056209	0.785154662	10.23834347	7.394703657	7.686208657	7.103198657	1.082077108
1.434620372	0.56950357	7.226992701	8.046361579	8.050507829	8.042215329	1.001031121
1.429180003	0.452843425	7.285833953	6.212486722	6.291526722	6.133446722	1.025773437
1.170606443	0.185507855	3.845107956	4.859503652	4.918583652	4.800423652	1.024614494
1.11906533	0.093255415	2.339471653	4.069811137	4.169411137	3.970211137	1.050173654
1.228743886	0.197124014	3.846384319	4.95684993	5.08697493	4.82672493	1.053918548
2.35135441	1.044590174	19.7502551	4.788138483	4.830498483	4.745778483	1.017851655
2.001474875	0.812244866	17.34038753	4.685767001	4.789002001	4.582532001	1.045055877
1.356933111	0.275866005	5.760774932	7.179208754	7.268123754	7.090293754	1.025080766
1.245340286	0.373009362	5.24561911	7.335583433	7.372417183	7.298749683	1.010093167
1.339415303	0.348857917	5.232485237	6.765476228	6.805191228	6.725761228	1.011809816
1.231484183	0.32591053	4.755853179	6.95742915	7.005870817	6.908987483	1.014022798
1.782235784	0.847280332	12.29660526	6.82063262	6.86203262	6.77923262	1.012213772
1.464142626	0.644988024	8.46789354	7.599137437	7.656217437	7.542057437	1.015136453
2.144296937	0.618904636	15.2979369	4.048297333	4.140557333	3.956037333	1.046642634
1.949348154	0.88068565	12.55895756	7.466873479	7.501528479	7.432218479	1.009325614
3.236679509	1.625045953	22.78864626	7.225269598	7.361709598	7.088829598	1.038494366
2.419349108	1.374314234	20.40685022	6.193855651	6.366045651	6.021665651	1.057190156
2.66284251	1.16143797	19.84391148	5.949701567	5.975011567	5.924391567	1.008544337
2.140228205	1.110717396	11.69170187	9.115876505	9.347541505	8.884211505	1.052152068
2.36705468	1.189454772	18.46295668	6.202830112	6.343245112	6.062415112	1.046323123
1.668002016	0.734287408	11.22075963	6.722845916	6.748900916	6.696790916	1.007781339
1.318384452	0.376510109	5.806402644	6.346809609	6.495894609	6.197724609	1.048109592
1.290679815	0.314731931	4.724401996	6.892543937	7.025618937	6.759468937	1.039374395
2.183416396	0.942232653	11.94321884	7.711480606	7.773095606	7.649865606	1.01610878
1.674519993	0.649250431	10.18118656	6.504224045	6.531514045	6.476934045	1.008426827
1.644376939	0.587600205	7.56864589	7.710300383	7.732400383	7.688200383	1.00574907
1.587207121	0.683758804	9.670872747	7.401880186	7.523876852	7.279883519	1.033516104
1.877708981	0.742111324	11.85265148	6.032165381	6.037660381	6.026670381	1.001823561
1.406986824	0.497026368	7.802132756	6.256400255	6.289227755	6.223572755	1.010549407
1.408539584	0.540855988	7.763448361	7.103284641	7.293159641	6.913409641	1.05492948
1.678947767	0.661868275	10.727476	6.255038037	6.380768037	6.129308037	1.041025838
1.938650143	0.978150579	12.64424498	8.191906632	8.339624132	8.044189132	1.036726511
1.414697952	0.525386929	7.30761809	7.30182263	7.32910263	7.27454263	1.007500128
1.691833229	0.503035691	10.42906677	5.018046994	5.112186994	4.923906994	1.038237928
1.18671982	0.1298799	3.013873825	4.384062792	4.437202792	4.330922792	1.024539805
2.528447728	1.053918142	15.66347673	6.728994016	7.018889016	6.439099016	1.0900421
2.233798225	0.818858383	13.51844798	5.910232786	5.959735286	5.860730286	1.016892946

1.224299217	0.12378346	3.282936006	3.599978017	3.640928017	3.559028017	1.023011901
1.189808653	0.258706559	3.604007296	7.210587009	7.236589509	7.184584509	1.007238414
1.293664439	0.472771925	6.226976506	7.692349491	7.749684491	7.635014491	1.015018963
1.343149155	0.499175987	6.298852521	8.529760793	8.559583293	8.499938293	1.00701711
1.409324257	0.211111019	5.791248752	3.57576819	3.59852569	3.55301069	1.012810263
1.709507397	0.688874654	9.329134638	7.070977349	7.320822349	6.821132349	1.073256165
1.254844246	0.141092748	3.887793211	3.794727877	3.860847877	3.728607877	1.03546632
1.871151357	0.849536829	12.7195491	6.560300072	6.692365072	6.428235072	1.041089039
1.253905642	0.115252509	3.692000193	3.200129277	3.280744277	3.119514277	1.051684328
1.770613194	0.650670509	11.99533295	5.211198396	5.219168396	5.203228396	1.003063483
2.744139729	1.632781214	26.43539941	5.993394912	6.055509912	5.931279912	1.020944889
2.155650808	1.164516084	21.09261605	5.132591227	5.143451227	5.121731227	1.004240754
2.288021357	1.409395545	23.44807578	5.676291649	5.858331649	5.494251649	1.066265621
1.386454102	0.354407883	7.131393731	4.874902621	4.897857621	4.851947621	1.00946218
1.848927062	0.957582216	11.82497456	8.319019852	8.477534852	8.160504852	1.038849312
3.069310737	1.93638145	23.71171583	8.193047107	8.525702107	7.860392107	1.084640816
1.232318882	0.254261759	5.146785363	4.981799953	5.132314953	4.831284953	1.062308475
3.180032489	1.511753254	24.75463697	5.751982695	5.887342695	5.616622695	1.048199784
1.28090631	0.355447502	5.966555752	6.03565701	6.07133951	5.99997451	1.011894217
1.363102802	0.594248684	6.266704854	9.553877112	9.646294612	9.461459612	1.019535569
2.158227916	1.060185068	14.13245489	7.290757708	7.322225208	7.259290208	1.00866958
1.408026137	0.414513119	9.144440442	4.731026557	4.868686557	4.593366557	1.059938609
1.580691045	0.710894642	8.239017486	8.67523092	8.80864592	8.54181592	1.031238088
1.596328073	0.709709897	9.248942142	8.073059832	8.101844832	8.044274832	1.007156643
1.425119788	0.619699513	7.559402654	8.299882558	8.308459224	8.291305891	1.002068834
1.272599345	0.508308125	5.330852449	9.220544259	9.262139259	9.178949259	1.009063129
1.585576418	0.588941456	7.695348431	7.43272568	7.459129014	7.406322347	1.007129944
1.152632939	0.120396735	2.822223987	4.332276439	4.410733939	4.253818939	1.03688803
1.414997669	0.260968171	5.776169193	4.388831714	4.412349214	4.365314214	1.010774711
1.324309908	0.213161693	5.213770806	4.031309562	4.031309562	4.031309562	1
1.542068838	0.633146021	8.698106554	7.10381493	7.12022493	7.08740493	1.00463075
2.065263194	0.773395371	18.58028088	4.805368982	5.339483982	4.271253982	1.250097513
1.270553323	0.303401714	5.097217702	6.068615078	6.238205078	5.899025078	1.057497637
2.24801379	1.276445491	19.98280356	5.858902131	5.902272131	5.815532131	1.01491523
2.407059499	1.300133395	19.44808458	6.589448644	6.627253644	6.551643644	1.011540615
1.254827967	0.17215626	3.973598264	4.374568383	4.392968383	4.356168383	1.008447791
1.186814537	0.139796759	3.622639966	3.885583758	3.958923758	3.812243758	1.038476029
1.188159667	0.168323016	4.051952146	4.150433084	4.173828084	4.127038084	1.011337429
1.522605102	0.553149583	8.527850922	6.717088078	6.875563078	6.558613078	1.048325766
1.552105023	0.776592543	8.777913037	8.934425462	8.953540462	8.915310462	1.004288129
1.385584264	0.393171483	5.885273418	6.794665684	6.883035684	6.706295684	1.026354341
1.419191023	0.682823593	7.848211673	8.749494466	8.855289466	8.643699466	1.024479102
1.837757249	0.94682162	15.75590159	5.83439934	5.92548434	5.74331434	1.031718619
1.287070986	0.338402796	5.467270063	6.231101029	6.280213529	6.181988529	1.0158889
1.509267962	0.601008745	6.514276209	9.283000479	9.447715479	9.118285479	1.036128503
1.299188643	0.310111024	6.120284736	5.212468157	5.372824695	5.052111618	1.063480996
2.538607045	1.259870535	22.5925547	5.395576186	5.511617853	5.27953452	1.043959052

1.226608228	0.23331004	5.188434059	4.936401342	5.443020342	4.429782342	1.228733134
1.36792684	0.24014574	5.749923969	4.241157199	4.354092199	4.128222199	1.054713625
1.666699966	0.532582242	10.45240357	5.073429754	5.081551421	5.065308087	1.003206781
1.568300491	0.853980795	10.20006621	8.93458333	9.18151833	8.68764833	1.056847375
1.303868321	0.602454246	6.148100487	9.753957644	9.998132644	9.509782644	1.051352383
2.026531025	0.848271242	14.77612771	5.494393686	5.500038686	5.488748686	1.002056935
1.522221045	0.572796754	7.930207447	7.257784306	7.390201806	7.125366806	1.037167911
1.175999655	0.376945294	3.852814124	9.698900273	9.749670273	9.648130273	1.010524319
1.279463521	0.346918081	5.959243365	5.994198633	6.209923633	5.778473633	1.074665046
1.307008787	0.349053622	5.880022151	6.195904445	6.283249445	6.108559445	1.028597577
2.094835021	0.64861855	10.80090117	5.442518951	5.493891451	5.391146451	1.019058098
2.404350081	1.623076525	19.52192548	7.723671697	7.738501697	7.708841697	1.00384753
1.469208041	0.823193702	9.023466833	8.326840423	8.346970423	8.306710423	1.004846684
1.39220601	0.313740564	7.62566328	3.8479139	4.0295039	3.6663239	1.099058351
1.411896832	0.442100163	7.721045344	5.566585022	5.586285022	5.546885022	1.007103086
1.906971645	1.535122861	16.82734073	8.577538154	8.654453154	8.500623154	1.01809632
1.806712889	0.95514042	12.79576628	7.006143444	7.014813444	6.997473444	1.002478037
1.855895736	1.43730828	14.09412506	9.128672539	9.298950039	8.958395039	1.03801518
1.457961869	0.744840792	8.946425501	8.234392073	8.325283739	8.143500406	1.022322506
1.570462718	0.579264515	9.256561688	6.323434262	6.370308262	6.276560262	1.014936206
1.364708793	0.357302392	6.389943621	5.430695976	5.452278476	5.409113476	1.007980051
1.357301056	0.43870491	7.673008878	5.711188131	5.813903131	5.608473131	1.036628507
1.381880861	0.478097096	5.889292287	8.020664624	8.093909624	7.947419624	1.018432398
2.454956586	0.965867981	13.61142529	7.517429559	7.655614559	7.379244559	1.037452343
2.289995107	0.756584636	18.45656317	4.183280102	4.242690102	4.123870102	1.028812741
1.471572651	0.598206701	9.488888032	6.227176051	6.397296051	6.057056051	1.056172503
2.358332479	1.30375987	25.011403	4.764238162	4.775815662	4.752660662	1.004872008
1.946933844	0.98460072	14.5660571	6.468810467	6.515625467	6.421995467	1.014579581
1.5353153	0.603645999	8.728090364	6.827763092	6.869285592	6.786240592	1.012237261
1.58397673	0.586023498	8.711661831	6.590974473	6.687569473	6.494379473	1.029747261
1.599196766	0.650378708	12.80208721	4.824780902	4.903215902	4.746345902	1.033050689
1.286837895	0.152542358	4.300168749	4.688179262	4.760204262	4.616154262	1.03120563
1.414884088	0.402863142	8.606312649	5.27151448	5.494446147	5.048582814	1.088314553
1.195363483	0.154684955	4.242733326	3.499011406	3.527461406	3.470561406	1.016395042
1.313116598	0.181749388	4.266973762	4.102005014	4.284640014	3.919370014	1.0931961
1.432590356	0.729403623	8.870708232	8.303704373	8.429999373	8.177409373	1.030888756
1.440437689	0.653614317	7.217935121	8.980074225	9.050319225	8.909829225	1.015767979
1.314641928	0.468718985	6.476764002	7.303720978	7.321175978	7.286265978	1.004791206
1.385872516	0.403415683	5.513770795	7.153971169	7.291141169	7.016801169	1.039097588
1.622118386	0.758537485	9.783297593	7.931084769	8.090221019	7.771948519	1.040951442
1.372669391	0.576765857	7.097788812	8.347707483	8.508919983	8.186494983	1.039384987
1.208301842	0.432436344	4.313827451	10.21619943	10.30032443	10.13207443	1.016605681
1.254053282	0.386163965	5.295996617	7.380056576	7.467686576	7.292426576	1.024033153
1.42037572	0.323604881	7.325381652	4.515208718	4.668088718	4.362328718	1.070091004
2.261302146	0.566677376	14.68036649	3.811933698	3.874403698	3.749463698	1.033322099
1.499339479	0.276107371	6.776362644	4.17098778	4.22555778	4.11641778	1.026513344
1.752030516	0.446223517	8.995387633	4.970621094	4.982951094	4.958291094	1.004973488

1.311666411	0.251036594	5.968733719	4.320679733	4.354764733	4.286594733	1.015903066
1.498513929	0.442418991	8.721566801	5.231089481	5.459959481	5.002219481	1.09150738
1.37721728	0.420045075	7.301628432	6.955107666	7.003322666	6.906892666	1.013961416
1.265396466	0.280775746	5.547780643	5.734883559	5.846488559	5.623278559	1.039693925
1.244596276	0.174286597	4.123957953	5.030691493	5.031786493	5.029596493	1.000435423
2.293906912	1.267430754	24.99022096	5.827449206	5.912605873	5.74229254	1.029659467
1.817127694	0.668987862	12.6940059	5.865667023	5.897797023	5.833537023	1.011015615
1.275960563	0.155683315	3.638337473	4.17255275	4.19801525	4.14709025	1.012279694
1.349448263	0.364033604	7.533782993	4.821196716	4.926816716	4.715576716	1.044796217
1.284301974	0.211629347	5.112622658	4.028476844	4.049421844	4.007531844	1.010452818
1.943881568	0.894979721	12.5323146	7.954770701	8.080820701	7.828720701	1.032201941
1.296235483	0.210862133	5.613657898	3.743740466	4.033630466	3.453850466	1.167864824
2.50171566	1.333215625	26.77509718	6.332332049	6.814768299	5.849895799	1.164938408
2.532394543	1.608595686	25.07765268	6.630563563	6.827728563	6.433398563	1.061294197
1.250600653	0.273255443	4.198507627	6.559121939	6.718796939	6.399446939	1.04990275
1.314480857	0.315282182	5.601827131	5.474402231	5.549375981	5.399428481	1.027770995
1.103406751	0.104987687	2.065990941	5.088051212	5.166603712	5.009498712	1.031361421
1.60136417	0.597311997	8.731688328	7.252991325	7.465376325	7.040606325	1.060331452
1.364831824	0.398639316	6.357372713	6.164745222	6.242397722	6.087092722	1.025513822
1.263343121	0.256097179	5.200879874	5.085497428	5.095940428	5.075054428	1.004115424
1.611165902	0.462262504	8.990659845	4.957512268	5.012272268	4.902752268	1.022338473
1.136511091	0.137714084	3.25061431	4.28500593	4.31488343	4.25512843	1.014043054
1.225541136	0.273498365	4.451039277	6.181171588	6.226210588	6.136132588	1.014679931
1.273056264	0.340488138	5.06895521	6.915866711	7.038706711	6.793026711	1.0361665
1.514092916	0.76343574	10.68849061	6.8988322	6.954188867	6.843475533	1.01617794
1.362671889	0.694298684	7.634964291	9.591501659	9.672371659	9.510631659	1.017006231
1.21243857	0.13643862	3.635872873	3.707519328	3.738329328	3.676709328	1.016759552
2.057765281	0.769193576	14.88462449	5.105121625	5.200926625	5.009316625	1.038250726
2.872692897	1.281992003	24.4783546	4.973658258	4.983618258	4.963698258	1.004013137
1.451009726	0.5585061	9.299376872	6.072816946	6.181841946	5.963791946	1.036562308
1.195986448	0.231731884	4.670116075	4.795634827	4.837219827	4.754049827	1.017494558
1.245869319	0.1690931	4.482834795	3.808408607	3.814263607	3.802553607	1.00307951
1.851120727	0.704677196	12.89855865	5.685926882	5.791409382	5.580444382	1.037804337
1.642128752	0.742089325	10.70199555	7.371256062	7.548771062	7.193741062	1.049352624
1.608846151	0.872322654	9.798164581	9.191100424	9.288527924	9.093672924	1.021427536
1.639390037	0.897316751	9.850765163	9.374594827	9.429332327	9.319857327	1.011746424
1.310583469	0.374168035	6.098738105	6.398159896	6.416227396	6.380092396	1.005663711
1.58820035	0.583723835	8.208835969	7.236595318	7.340501568	7.132689068	1.029135225
1.392061372	0.442145858	7.585693406	5.375496956	5.387816956	5.363176956	1.004594292
1.522503062	0.765658018	8.076677017	9.852110742	9.858585742	9.845635742	1.001315304
1.363325015	0.531318549	6.552403132	8.144670419	8.189247919	8.100092919	1.011006664
1.370991238	0.342629622	5.628513855	6.044331001	6.056927668	6.031734335	1.004176798
1.312080665	0.318102894	5.244329379	6.088085941	6.192768441	5.983403441	1.034990955
1.218911954	0.171386258	3.850503816	4.486696564	4.528346564	4.445046564	1.018739961
1.43625647	0.305584461	7.56031676	4.032159293	4.064304293	4.000014293	1.016072443
1.063508242	0.062734476	1.564800575	4.339636409	4.607401409	4.071871409	1.131519379
2.310360781	0.956960143	19.73568715	4.908594073	5.081614073	4.735574073	1.07307245

1.119326129	0.081673315	2.39110752	3.278868594	3.319701094	3.238036094	1.025220534
1.962228106	0.651684219	14.38569554	4.452298511	4.469703511	4.434893511	1.007849117
1.229692709	0.236187821	5.267887399	4.434918631	4.453473631	4.416363631	1.008402841
1.199612735	0.28995989	6.080907855	4.738038198	4.761018198	4.715058198	1.009747494
1.88126808	0.79695022	14.22960256	5.585744194	5.770656694	5.400831694	1.068475565
2.141778414	0.713143835	14.43514835	5.227808996	5.278373996	5.177243996	1.019533559
1.462334702	0.176011002	4.995541044	4.229687858	4.917562858	3.541812858	1.388431025
1.449619349	0.630790339	7.157796115	8.758909106	8.782534106	8.735284106	1.005409097
1.72605079	0.531708006	12.08054614	4.113058474	4.167633474	4.058483474	1.026894282
1.277601093	0.281105922	5.285310363	5.508434669	5.514395669	5.502473669	1.002166662
1.952478814	1.159179532	17.87472551	6.331173756	6.431293756	6.231053756	1.032135816
2.183959623	0.887409374	12.46199498	7.851862185	7.932162185	7.771562185	1.020665086
1.734514929	0.818752639	11.37683624	6.415764917	6.536169917	6.295359917	1.038251983
2.61966241	1.373317082	19.82531983	6.499297449	6.505267449	6.493327449	1.001838811
1.733362962	1.092869816	12.22202625	8.70983943	8.96384443	8.45583443	1.060078045
1.466975243	0.709779169	8.125361515	8.388758585	8.434666085	8.342851085	1.011005231
1.661778078	1.07876203	11.74942542	8.602683808	8.957748808	8.247618808	1.086101215
1.546749829	0.703255886	8.843556455	7.519128912	7.519877245	7.518380578	1.000199068
1.360837377	0.423036517	6.158269582	6.639048356	6.745085023	6.53301169	1.032461802
1.433628249	0.560348602	7.306568258	7.396475116	7.504460116	7.288490116	1.029631652
1.900011773	1.015721277	14.83158138	6.626936535	6.800279035	6.453594035	1.053719679
1.535827753	0.667421251	9.833049051	6.824867207	7.004067207	6.645667207	1.053929875
1.645816208	0.621081037	8.055154741	7.611882518	7.777717518	7.446047518	1.044543095
1.483154983	0.527199023	7.360395266	7.287626348	7.531543848	7.043708848	1.069258257
1.35182434	0.335950358	5.25305059	6.767112201	6.837422756	6.696801645	1.020998249
1.251524347	0.262566785	5.018425206	5.512338169	5.631438169	5.393238169	1.044166416
2.775751854	1.764178535	26.61749112	6.169937734	6.191002734	6.148872734	1.006851662
3.11678126	1.566462584	19.5279279	7.806981434	7.819426434	7.794536434	1.003193262
2.638446925	1.326228118	19.20763068	7.220174325	7.267334325	7.173014325	1.013149284
1.929528786	0.914888056	14.01546822	6.481688367	6.518655867	6.444720867	1.01147218
2.111853494	1.131591985	17.56494228	6.20815868	6.27746868	6.13884868	1.022580781
3.370488604	1.849620998	23.88823458	7.570418817	7.870018817	7.270818817	1.082411626
2.196694104	1.388324106	19.90559747	6.792472021	6.879812021	6.705132021	1.026051687
1.40850187	0.418621797	6.508095715	6.295301046	6.395431046	6.195171046	1.032325177
2.188520411	0.680339801	15.6296692	4.322000477	4.333225477	4.310775477	1.00520788
1.577568489	0.735996553	9.495007852	7.573419907	7.792799907	7.354039907	1.059662445
1.314746314	0.552089578	6.049127046	9.400934835	9.446789835	9.355079835	1.00980323
1.744647016	0.873482422	13.27344998	6.380298573	6.531698573	6.228898573	1.048612126
1.287086587	0.430396892	4.868912225	8.562787526	8.657127526	8.468447526	1.022280353
1.743664888	0.831507619	13.8099258	5.831270357	5.881476607	5.781064107	1.017369207
1.962429372	0.623060997	10.26048874	6.319216395	6.396649729	6.241783062	1.024811286
1.517004572	0.652592492	8.960237945	7.264602231	7.301754731	7.227449731	1.010280943
1.296936926	0.167795187	4.547436609	3.672055901	3.674785901	3.669325901	1.001488012
2.93817836	1.582159522	23.68749195	6.424253029	6.488003029	6.360503029	1.020045584
2.6645579	1.32063647	16.49471475	7.36576982	7.51621232	7.21532732	1.041700811
1.926950557	1.17408232	15.40365196	7.49954192	7.82072692	7.17835692	1.089487052
2.567326553	1.601314527	20.73343346	7.796120799	7.829330799	7.762910799	1.008556069

2.097750102	1.632418745	18.72230187	8.755631254	8.898058754	8.613203754	1.033071898
1.127497982	0.109816891	2.025750107	5.384024122	5.409871622	5.358176622	1.009647872
4.838632302	3.012482806	44.36744722	6.744585859	6.911005859	6.578165859	1.05059769
1.328172914	0.277682252	6.130286173	4.408407773	4.495002773	4.321812773	1.040073462
4.317725999	1.759893028	29.92958472	5.75081806	5.76022806	5.74140806	1.003277942
1.228642853	0.378766642	4.716774058	8.098187432	8.123397432	8.072977432	1.006245527
1.67001258	0.688811857	11.56860665	5.961184791	5.969044791	5.953324791	1.002640541
1.548820162	0.310325752	7.495732799	4.150333179	4.158585679	4.142080679	1.003984712
1.668405419	0.658920521	11.21393257	5.719350859	5.743703359	5.694998359	1.008552241
1.579720813	0.749262494	11.30221108	7.051554993	7.186572493	6.916537493	1.039041934
2.041041104	0.938186755	16.79440337	5.61442957	5.76836707	5.46049207	1.056382281
1.734921936	0.73090601	14.14681509	4.861364179	4.873333179	4.849395179	1.004936286
1.388880533	0.376500437	7.731666037	4.828498555	4.897568555	4.759428555	1.029024493
2.11950465	1.243481004	19.45994306	6.069520519	6.088605519	6.050435519	1.006308637
2.409106899	1.362889127	22.25295646	6.032372152	6.068947152	5.995797152	1.012200213
1.905037553	0.898903572	12.98252148	6.201386809	6.422866809	5.979906809	1.074074733
1.155336727	0.116580925	2.910101642	3.913804693	3.963608443	3.864000943	1.025778332
1.673282631	0.538779004	9.766335352	5.594486964	5.681541964	5.507431964	1.031613645
1.341503574	0.4463883	6.5770714	6.879397987	7.211317987	6.547477987	1.101388657
3.046636719	1.496310291	32.20350017	4.481527654	4.528957654	4.434097654	1.021393304
2.687687331	1.54662284	25.40315526	5.800615221	6.036300221	5.564930221	1.084703668
2.770672915	1.531525652	25.81176417	5.749602419	5.801242419	5.697962419	1.018125778
2.240839913	1.190089952	17.51468496	6.669201591	6.687966591	6.650436591	1.005643239
1.75808482	0.648597554	9.304936305	7.232008359	7.317173359	7.146843359	1.0238329
1.2311399	0.167501823	3.752551031	4.438882244	4.473864744	4.403899744	1.015887056
1.680574197	0.654795291	11.12419938	6.230679498	6.297969498	6.163389498	1.021835388
1.14222628	0.146045328	3.639909635	4.011686629	4.171181629	3.852191629	1.082807407
1.330084536	0.219787695	5.500283892	4.133244576	4.208684576	4.057804576	1.037182668
1.716161723	0.731810162	14.57280622	4.548344837	4.775989837	4.320699837	1.105374133
1.74519647	0.665021371	9.174947748	7.161268906	7.217100156	7.105437656	1.015715077
2.418052312	0.920985305	20.7581163	4.244414294	4.476294294	4.012534294	1.115577828
2.089390408	0.798151853	12.60052979	5.74667042	5.80429292	5.68904792	1.020257344
1.839393364	0.636652766	10.752896	5.805464032	5.834824032	5.776104032	1.010166022
1.582534334	0.549308593	10.4505439	5.107627704	5.108307704	5.106947704	1.000266304
2.692919878	1.176046425	21.45575735	5.162446253	5.197046253	5.127846253	1.013494944
1.236100134	0.280098256	4.854096085	5.75265906	5.79813406	5.70718406	1.015936055
1.432894039	0.610166465	6.965159538	9.003364438	9.033869438	8.972859438	1.006799393
1.564461557	0.687901006	9.490790385	7.507107906	7.523448906	7.490766906	1.004362971
2.726783003	1.345875117	20.69335999	6.051230214	6.251725214	5.850735214	1.068536686
1.930438875	0.889080086	14.02561272	6.386485212	6.464380212	6.308590212	1.024694899
1.258086013	0.110609307	3.444476941	3.224448103	3.244203103	3.204693103	1.012328794
2.11842902	1.169398222	19.70318751	5.643651822	5.661356822	5.625946822	1.006294052
1.407017676	0.419190045	7.631574071	5.514942652	5.540029318	5.489855985	1.00913928
1.270619581	0.307516562	5.144194947	6.093013722	6.263463722	5.922563722	1.057559533
1.125656306	0.131139632	2.878981507	4.510492864	4.516092864	4.504892864	1.002486186
1.585527224	0.627772887	10.80779423	5.855706488	5.903743988	5.807668988	1.016542782
2.116944264	1.424901549	19.00312696	7.917863915	8.231768915	7.603958915	1.082563571

2.530540098	1.763030297	26.59563859	6.263800653	6.330350653	6.197250653	1.021477266
1.422746029	0.606227944	7.784174515	8.183310176	8.292985176	8.073635176	1.027168679
1.415861084	0.459253805	8.37957125	5.638785682	5.762283182	5.515288182	1.044783698
1.765723133	0.709109827	11.34254026	6.683896845	6.699216845	6.668576845	1.004594684
1.289067892	0.307323926	5.826956403	5.270036647	5.282089147	5.257984147	1.004584457
1.605486437	0.602742259	11.18020719	5.206595613	5.233813113	5.179378113	1.010509949
1.775177307	0.713458077	10.77880243	6.633217119	6.747757119	6.518677119	1.0351421
1.696349826	0.658962683	10.29795839	6.621607588	6.643564254	6.599650921	1.006653887
1.145449304	0.122916957	2.590147331	4.839566892	4.902811892	4.776321892	1.026482721
1.164115017	0.142031767	3.583480942	3.854272031	3.904727031	3.803817031	1.026528616
1.607776927	0.426068315	10.71249463	5.533507279	5.671417279	5.395597279	1.051119456
1.582312726	0.759830076	8.773140053	8.61330906	8.69121906	8.53539906	1.018255737
1.672938361	0.662669741	9.64870968	6.877035163	6.928765163	6.825305163	1.015158297
1.973423467	0.762534842	11.02502064	6.608196313	6.714168813	6.502223813	1.032595771
1.353386831	0.40874087	7.118606546	5.723458185	5.919303185	5.527613185	1.070860602
1.97104669	0.930808671	13.89453323	6.671133057	6.693543057	6.648723057	1.006741144
1.637010664	0.761725056	10.18642079	7.765434137	7.818449137	7.712419137	1.013747956
1.475542437	0.597450153	8.175069719	7.245219448	7.359729448	7.130709448	1.032117421
1.538169094	0.493468197	10.17260617	4.61794056	4.667748893	4.568132226	1.02180687
1.24478292	0.347478353	6.441404324	5.139328601	5.185583601	5.093073601	1.018163884
2.190850182	0.927621964	14.7491449	6.442084056	6.582699056	6.301469056	1.044629276
1.860738015	0.874670522	13.29265696	6.351587546	6.354187546	6.348987546	1.000819028
2.015294846	1.044768104	15.70113903	6.200444199	6.311694199	6.089194199	1.036540139
2.659363661	1.641464697	22.98446036	6.967190438	7.147582938	6.786797938	1.053159826
4.173813992	1.344339556	30.29910619	5.38451042	5.58183542	5.18718542	1.076081722
2.570892262	1.643197634	23.79371711	6.964841896	7.270161896	6.659521896	1.09169427
2.062721653	1.103972346	17.0975894	6.079842327	6.220872327	5.938812327	1.047494345
1.251362949	0.163874303	3.684146819	4.377717751	4.398104001	4.357331501	1.009357218
1.835527042	0.9685347	13.40998463	7.055804566	7.113504566	6.998104566	1.016490179
2.174930594	1.030993079	20.91291879	4.754352954	4.849096287	4.65960962	1.040665781
1.775725316	0.763240944	10.26284992	7.279831137	7.289826137	7.269836137	1.002749718
1.595554427	0.621811098	11.3870727	5.382553627	5.446336127	5.318771127	1.023983924
1.464481639	0.495969366	7.928991259	6.260536421	6.358686421	6.162386421	1.031854542
1.52524718	0.793833222	10.05904068	7.941131494	7.980056494	7.902206494	1.009851679
2.202063494	1.11444832	19.75318497	5.425710757	5.471450757	5.379970757	1.01700381
1.463366652	0.467267567	8.271518047	5.410701771	5.443179271	5.378224271	1.012077406
1.697701432	1.056221271	11.35512761	9.270826302	9.494076302	9.047576302	1.049350233
1.320600334	0.362693432	6.938204985	4.987729982	5.162479982	4.812979982	1.072616134
1.220084842	0.265262619	4.107513424	6.483156293	6.552064293	6.414248293	1.021485916
1.8183463	0.971012368	15.07997152	6.146578422	6.167403422	6.125753422	1.006799164
1.773176317	0.725199885	12.9204526	5.646666416	5.658147844	5.635184987	1.004074907
1.327744227	0.39009804	7.729250784	4.815892472	4.816016222	4.815768722	1.000051394
1.381137162	0.511383595	6.14169195	8.279545417	8.387570417	8.171520417	1.026439388
1.566175803	0.63628502	9.047048001	6.93286505	7.02498755	6.84074255	1.02693348
1.913943993	0.812958843	13.34223725	5.389585783	5.493865783	5.285305783	1.039460347
2.019708212	0.617174331	12.72113448	4.832009599	4.846267099	4.817752099	1.005918735
1.2060544	0.132019215	2.994149807	4.453739503	4.578554503	4.328924503	1.057665593

1.20777245	0.181688769	4.260233546	4.251620077	4.333745077	4.169495077	1.039393259
1.249578625	0.195412337	4.305990593	4.490280439	4.605590439	4.374970439	1.052713499
1.12002976	0.147039467	3.020643609	4.903368077	4.911358077	4.895378077	1.003264304
1.724292588	0.80650591	10.73324548	8.037314523	8.069789523	8.004839523	1.008113842
1.330918754	0.326889563	5.188313558	6.385469836	6.471779836	6.299159836	1.027403655
1.393622811	0.300734331	6.950918529	4.163626519	4.417556519	3.909696519	1.12989755
1.807403507	0.928786701	14.01630117	6.235080448	6.237192115	6.232968782	1.00067758
1.604256044	0.630894697	10.33843153	6.054381054	6.102068554	6.006693554	1.01587812
1.586907199	0.583725208	9.154419405	6.540655224	6.591081891	6.490228558	1.015539258
1.450494657	0.567299627	8.282249829	6.907800321	6.913205321	6.902395321	1.001566123
1.393684464	0.392196879	8.221077691	4.646145038	4.659045038	4.633245038	1.005568451
1.626166358	0.687954044	11.11088536	6.9612092	7.0530842	6.8693342	1.026749317
1.302970481	0.381137867	5.499722885	7.146008786	7.189688786	7.102328786	1.012300191
1.734076454	0.683393405	12.81671793	5.354043513	5.621006013	5.087081013	1.104957047
1.819905634	1.160497679	13.97943714	8.339330311	8.376925311	8.301735311	1.009057143
1.803903774	0.923690185	11.01759182	8.592113903	8.659353903	8.524873903	1.015775013
1.591058082	0.704342687	8.901648912	8.121997479	8.411382479	7.832612479	1.073892332
1.526475861	0.592129068	8.986703004	5.670126757	5.809556757	5.530696757	1.05042041
1.243813166	0.455169698	4.924542123	9.420298892	9.460296392	9.380301392	1.008527978
1.605276258	0.334493328	7.650235513	4.308783378	4.310213378	4.307353378	1.000663981
1.661541087	0.49682287	11.10253792	4.46533713	4.47615713	4.45451713	1.00485799
1.263722921	0.185769833	4.776432161	4.022949887	4.050529887	3.995369887	1.013805981
1.713871763	0.562318258	11.71951173	4.682526292	4.823716292	4.541336292	1.062179936
1.266510073	0.264164533	6.032892937	4.755395993	4.757605993	4.753185993	1.000929903
1.478940882	0.296419912	7.267023642	4.294981178	4.449431178	4.140531178	1.074603955
1.281234453	0.286906037	5.764430204	5.092891374	5.125436374	5.060346374	1.012862756
1.156257868	0.138166359	3.031829218	4.585906549	4.751036549	4.420776549	1.074706332
1.450674657	0.188039705	5.244185084	4.62934706	4.89938206	4.35931206	1.123888814
1.383952841	0.468867584	9.202456019	5.27668226	5.44575726	5.10760726	1.066205169
1.725795218	0.592489063	12.65353769	4.496751992	4.508774492	4.484729492	1.005361527
1.129525387	0.135639302	3.040765851	5.990880488	6.055362988	5.926397988	1.02176111
2.698640444	1.252773586	29.41248069	3.89181586	3.91815086	3.86548086	1.01362573
1.468760314	0.233899184	6.404376513	3.776214007	3.780879007	3.771549007	1.002473785
1.387174518	0.210062257	4.926481544	4.248997755	4.279742755	4.218252755	1.014577126
2.140199092	0.912479373	14.80791165	6.439106597	6.583394097	6.294819097	1.045843255
2.770385126	1.209997366	28.2951896	4.365258307	4.376270807	4.354245807	1.005058281
2.197471719	0.945182834	12.69949238	6.578345611	6.584188111	6.572503111	1.001777861
1.679509915	0.60432443	10.6581915	6.050570702	6.140075702	5.961065702	1.030029865
1.629722339	0.696188297	12.93010578	6.72254787	6.85782287	6.58727287	1.041071625
1.721323946	0.605665177	12.18378799	4.785990281	4.816266948	4.755713615	1.012732754
1.249845371	0.193871868	4.000981816	4.80792259	4.87774259	4.73810259	1.029471713
1.373139367	0.373293344	7.326953448	5.078026828	5.434676828	4.721376828	1.151078812
2.324667937	1.07503399	18.75520652	5.361008408	5.490428408	5.231588408	1.049476369
1.198507681	0.126606982	2.993529304	4.236233645	4.262673645	4.209793645	1.012561186
1.235539597	0.221459531	4.53150127	4.767522381	4.838022381	4.697022381	1.030019018
1.757029071	0.681044337	13.16753756	5.266792396	5.404022396	5.129562396	1.053505539
2.030584819	0.77400934	13.03660918	6.227528207	6.462388207	5.992668207	1.078382447

2.528918106	1.009449669	14.25653861	7.482399115	7.658404115	7.306394115	1.048178348
1.231987401	0.137613087	2.98447716	4.719438638	4.769263638	4.669613638	1.021340095
1.687392879	0.527058699	11.26558781	4.567788729	4.729936229	4.405641229	1.073609035
1.874062509	0.662509269	10.99503702	5.999731939	6.140949439	5.858514439	1.04820932
1.503703323	0.555909655	9.742090566	6.059088653	6.108868653	6.009308653	1.01656763
1.280847757	0.330286447	6.837032854	4.827573481	4.884788481	4.770358481	1.023987715
1.241954548	0.418866944	5.283502884	7.99433153	8.16433153	7.82433153	1.043454191
2.360149263	1.315873112	24.7564528	5.83182878	6.04115128	5.62250628	1.074458787
1.440161228	0.499498541	8.913239663	5.490228645	5.611863645	5.368593645	1.045313543
1.241176352	0.194906159	4.572830036	4.307061742	4.527516742	4.086606742	1.107891468
5.184482936	2.38731526	35.1469583	7.040667385	7.181867385	6.899467385	1.040930696
1.52590658	0.359334352	7.550059934	4.696647194	4.782102194	4.611192194	1.037064168
2.236854554	0.9990165	19.10325183	5.082433681	5.120478681	5.044388681	1.015084087
2.936229607	0.895647732	21.23324621	4.012679197	4.073269197	3.952089197	1.030662263
1.173230502	0.133178657	3.424800876	3.87701989	3.93399489	3.82004489	1.029829492
1.141264549	0.116890541	3.118844137	3.802912721	3.806117721	3.799707721	1.001686972
2.790453889	1.330587322	25.21892871	4.840532766	4.922627766	4.758437766	1.034505022
1.36672444	0.423397873	7.806926995	5.169967204	5.214632204	5.125302204	1.017429216
1.77237984	0.659101305	10.19244306	6.473212551	6.479445051	6.466980051	1.001927484
1.544843023	0.490046042	7.359027405	6.764749833	6.777162333	6.752337333	1.003676505
1.268884186	0.374656421	4.490924555	8.499886578	8.520851578	8.478921578	1.004945204
1.430988115	0.632277437	8.339325372	7.389542684	7.439445184	7.339640184	1.013598078
1.374989474	0.437332049	6.417460167	6.811375373	6.823540373	6.799210373	1.003578357
1.330219074	0.481940337	6.611154651	7.176759531	7.237111531	7.116407531	1.016961367
1.475100096	0.62102104	8.93219794	7.039803368	7.070518368	7.009088368	1.008764335
1.153893365	0.135553357	3.000101288	4.608522176	4.704892176	4.512152176	1.042715758
1.54811819	0.447221378	6.718986236	6.374138863	6.488076363	6.260201363	1.036400586
1.650345998	0.681562085	7.591786063	8.958376935	9.007291935	8.909461935	1.010980461
1.266850749	0.439854449	5.24904451	8.666035631	8.760643964	8.571427297	1.022075281
1.318721656	0.153337069	3.712153067	4.071532478	4.141872478	4.001192478	1.035159518
2.617417977	0.994275295	20.670139	4.703487553	4.733557553	4.673417553	1.012868527
1.549386327	0.389271351	8.38730418	4.317588688	4.321728688	4.313448688	1.001919578
1.144321704	0.125633563	2.756617536	4.544207671	4.604197671	4.484217671	1.026756061
1.527300664	0.929214511	10.02137141	9.396751395	9.490771395	9.302731395	1.020213418
2.820328773	1.349298503	22.66178394	5.422223272	5.526403272	5.318043272	1.039179824
1.554115658	0.450650171	9.93772742	4.360028505	4.461238505	4.258818505	1.047529614
1.153356081	0.167924753	3.82094722	4.334851138	4.373231138	4.296471138	1.017865825
1.182868715	0.145975475	3.278687753	4.371832444	4.434932444	4.308732444	1.029289356
1.244960647	0.264898491	5.940523932	4.538011311	4.555341311	4.520681311	1.007666986
1.417803182	0.5588313	6.743046814	8.211125349	8.472912016	7.949338682	1.06586376
2.035371043	0.747897926	15.6068723	5.219036312	5.277166312	5.160906312	1.022527051
1.770093657	0.627348712	11.14257434	5.301501575	5.304101575	5.298901575	1.000981335
1.351594739	0.363293994	8.024483125	4.552045097	4.730110097	4.373980097	1.081420124
1.760235972	0.745465061	12.92434768	5.541705368	5.591987868	5.491422868	1.018313104
1.796638782	0.853865015	16.15446705	5.369825223	5.404950223	5.334700223	1.0131685
1.467666889	0.571464556	10.55590066	5.300916364	5.338428864	5.263403864	1.014254084
1.307201623	0.210116548	4.732857421	4.875678688	4.916548688	4.834808688	1.016906563

1.576049742	0.668745754	8.76343881	7.702066529	7.762156529	7.641976529	1.015726298
4.167080465	1.604868435	21.11378191	7.481934489	7.582974489	7.380894489	1.027378795
1.773899965	1.028296623	12.90690648	7.806791663	7.909066663	7.704516663	1.026549362
1.761478482	0.746492559	8.990278581	7.880305052	7.888962552	7.871647552	1.002199667
1.699371278	0.863992889	10.15768613	8.706465115	8.800735115	8.612195115	1.021892212
1.465180973	0.721631834	8.389075094	8.487754212	8.601589212	8.373919212	1.027187986
1.54067027	0.449577567	8.419573842	5.617278029	5.706853029	5.527703029	1.032409483
1.450597214	0.714190706	8.266854753	8.863594262	8.987134262	8.740054262	1.028269847
1.729312309	0.49703571	11.30324633	4.357765288	4.366625288	4.348905288	1.004074589
2.986788549	1.183105802	16.31211639	7.181720166	7.246945166	7.116495166	1.018330653
2.541082978	1.3689765	25.14893016	5.267364446	5.345246946	5.189481946	1.03001552
2.372429692	1.63354666	26.15963605	5.223017359	5.372102359	5.073932359	1.058765072
2.671942237	1.619554201	21.03828866	7.29112068	7.36382068	7.21842068	1.02014291
1.58843819	0.566822819	10.33844901	5.131014233	5.174521733	5.087506733	1.017103663
1.099130173	0.077693003	1.883074209	4.082439795	4.104239795	4.060639795	1.010737224
1.247904454	0.461266933	4.432461492	10.62794561	10.64686061	10.60903061	1.00356583
1.688227504	0.582468577	13.84284913	4.116249812	4.151784812	4.080714812	1.017416066
1.207226338	0.248024343	4.785670853	5.432889221	5.504608221	5.361170221	1.02675498
1.160920861	0.101235618	2.685318759	3.696155602	3.824130602	3.568180602	1.071731235
1.350087439	0.256759648	5.556620752	4.739929285	4.762469285	4.717389285	1.009556133
1.382322538	0.413817677	7.901183229	5.9291576	5.9334576	5.9248576	1.001451512
1.637631067	1.002227731	10.23017747	9.708945184	9.979970184	9.437920184	1.057433205
1.934624786	0.69234244	14.18723542	4.725211548	4.734866548	4.715556548	1.004094957
2.033301364	1.114942225	14.54462609	6.695548569	6.876078569	6.515018569	1.055419643
3.579134719	1.684758467	19.46723693	9.598874828	9.651694828	9.546054828	1.011066352
1.429783911	0.289163834	6.64223633	4.368142901	4.439307901	4.296977901	1.033123279
1.786071354	1.013334088	15.27327878	6.102108336	6.291563336	5.912653336	1.064084596
1.134184754	0.096416399	2.759932252	3.632332869	3.706177869	3.558487869	1.041503584
1.178475894	0.167793068	3.899593601	4.309167128	4.361067128	4.257267128	1.024381839
1.747835782	0.689463843	11.76775529	5.542627128	5.542627128	5.542627128	1
1.728632419	0.744519751	12.17742424	6.163190045	6.306965045	6.019415045	1.047770423
1.413842537	0.411993072	7.184871306	5.919821103	5.950316103	5.889326103	1.010356024
1.893851145	0.798572428	13.54983142	5.967353856	6.144048856	5.790658856	1.061027598
1.592349875	0.714963438	9.148812675	7.793576187	7.961978687	7.625173687	1.044170141
1.419855763	0.34367238	6.720341302	5.061059055	5.185609055	4.936509055	1.05046076
1.784362126	0.896016806	10.51746641	8.654072409	8.851517409	8.456627409	1.04669592
2.088389484	1.04313588	22.99486438	4.333029204	4.500254204	4.165804204	1.080284618
1.261303122	0.32928806	6.250313218	5.233207192	5.246222192	5.220192192	1.004986406
1.716490197	0.631432865	10.05457966	6.058921779	6.153964279	5.963879279	1.031872711
1.218771405	0.309122758	5.15351393	5.992857595	6.049290095	5.936425095	1.019012284
1.808768315	0.631963149	9.38595813	6.65288054	6.99675054	6.30901054	1.10900917
1.366562152	0.461709794	6.332745211	7.179605935	7.289668435	7.069543435	1.031137089
1.461860957	0.298934033	6.856417345	4.248665876	4.270980876	4.226350876	1.010559937
1.531551394	0.588484643	10.72706406	5.304041341	5.419091341	5.188991341	1.044343878
1.544295796	0.506290738	10.24182624	4.851521139	4.865881139	4.837161139	1.005937367
1.731516503	0.676848483	12.46099234	5.617182016	5.772832016	5.461532016	1.056998659
1.382393822	0.381744774	6.599835174	5.905892287	5.922047287	5.889737287	1.005485813

1.642996748	0.705568541	11.03349187	7.018439887	7.173289887	6.863589887	1.04512216
2.450496525	1.062635608	18.71850003	5.293727485	5.320997485	5.266457485	1.010356108
2.228655443	1.194321154	19.13118147	6.603355271	6.679025271	6.527685271	1.023184329
1.408962786	0.336493839	6.537575182	5.626074116	5.783720782	5.468427449	1.057657039
2.437361581	1.527869869	21.36124319	7.678698501	7.820973501	7.536423501	1.037756636
1.106958241	0.136992506	3.059353253	4.415954441	4.573939441	4.257969441	1.074206733
1.286256803	0.324852797	5.001249159	6.548471024	6.644594357	6.452347691	1.02979484
2.279581071	1.136054679	21.21986014	4.962006082	4.998938582	4.925073582	1.014997745
1.24736948	0.268759649	4.773325789	5.590940051	5.855637551	5.326242551	1.099393709
3.664999464	1.618826839	22.67999251	7.65919921	7.83721421	7.48118421	1.047590059
1.635950912	0.57935502	9.223080916	6.323181164	6.595831164	6.050531164	1.090124319
3.87164901	2.190948064	30.18726362	7.315217769	7.503062769	7.127372769	1.052710867
1.5019479	0.524214269	8.707636101	6.247063343	6.268978343	6.225148343	1.007040796
1.691397798	0.846688902	11.60035824	7.768040073	7.829600073	7.706480073	1.015976165
1.341382547	0.240933067	5.551863506	5.01346714	5.13241214	4.89452214	1.048603315
2.626170672	0.852956245	14.51973922	5.529410578	5.617460578	5.441360578	1.032363229
1.258114499	0.274351726	4.997303157	5.759895393	5.795270393	5.724520393	1.012359114
1.387921531	0.365893605	8.06858856	4.368650993	4.368650993	4.368650993	1
1.702811473	0.775414116	12.8682202	5.634036328	5.821131328	5.446941328	1.06869727
1.571469118	0.661094378	10.48228784	6.288548949	6.483768949	6.093328949	1.064076633
1.859197303	0.995448433	11.63670876	8.366642243	8.474757243	8.258527243	1.026182634
1.192698293	0.232549497	3.820219345	6.060060061	6.125060061	5.995060061	1.02168452
2.648137778	1.23199736	21.99759547	5.337233844	5.361383844	5.313083844	1.009090766
1.289804636	0.304575155	6.5263638	4.555077117	4.650812117	4.459342117	1.042936827
1.530727674	0.568225615	8.92193646	7.697340499	7.933615499	7.461065499	1.063335458
2.310845095	1.596234293	20.81863858	8.188871307	8.216916307	8.160826307	1.006873079
2.332932191	1.45086465	20.33846787	6.903631191	7.495876191	6.311386191	1.187675095
1.974539122	0.816490143	16.9832989	4.736705917	4.789698417	4.683713417	1.022628413
1.757950414	0.77505232	14.87890924	5.059726874	5.069021874	5.050431874	1.003680873
1.655985769	0.880951952	11.35208695	7.270511636	7.364581636	7.176441636	1.026216335
1.562249891	0.416037564	8.676007365	4.59436562	4.64211687	4.54661437	1.02100519
2.683460392	1.815527148	24.15383181	7.074541364	7.195141364	6.953941364	1.034685366
1.75672493	0.800409876	14.28655356	5.316743784	5.33473045	5.298757117	1.006789013
1.634585482	0.799707882	11.83897495	6.922177222	7.115410972	6.728943472	1.057433608
1.769884531	0.991264486	10.3424703	10.02886465	10.19441465	9.863314651	1.033568837
1.336461668	0.4720059	6.917477828	6.98949994	7.12429494	6.85470494	1.039329191
1.366402669	0.370770675	5.689698463	6.597138908	6.716751408	6.477526408	1.036931536
1.93450859	1.081884918	13.89295139	7.91703231	7.94957856	7.88448606	1.00825577
1.510050283	0.510796622	8.720855634	5.922410175	5.970315175	5.874505175	1.016309459
1.996753982	0.945335439	18.08574259	4.951779448	5.126034448	4.777524448	1.072947821
1.580557913	0.539688094	8.129504282	7.068113367	7.096558367	7.039668367	1.008081347
1.421546349	0.455083434	6.592569935	6.881624553	6.985532886	6.777716219	1.030661754
1.353010638	0.4577278	7.214920236	6.177480591	6.194444341	6.160516841	1.005507249
1.596138517	0.548961451	8.61466584	6.450783893	6.612011393	6.289556393	1.051268322
1.41698638	0.54646289	7.970637409	6.893356921	6.999596921	6.787116921	1.031306371
1.375434598	0.347912464	6.370277682	5.315406722	5.354925472	5.275887972	1.014980891
1.779147238	0.771759634	10.67232894	7.188013335	7.212353335	7.163673335	1.006795396

1.58666004	0.583276991	9.937403131	6.003149389	6.086967723	5.919331056	1.028320205
1.70792575	0.618422986	12.79410854	4.533742435	4.548407435	4.519077435	1.006490263
1.356036593	0.152961337	4.312207204	3.608077872	3.661057872	3.555097872	1.029805087
1.147725386	0.087492241	2.249215675	3.923441757	3.942011757	3.904871757	1.009511196
1.160161494	0.141782846	3.514754763	4.237471102	4.348891102	4.126051102	1.054008056
1.266564571	0.15587452	4.102899777	3.749544923	3.776649923	3.722439923	1.014563029
1.344496367	0.192780769	5.237964532	3.580535195	3.648195195	3.512875195	1.038521152
2.762029495	1.405156272	17.79136419	7.142479	7.170719	7.114239	1.007939008
3.07343332	1.624748935	25.42422696	6.974837322	7.281032322	6.668642322	1.091831286
1.238129348	0.394504519	5.791226934	7.046094489	7.090591989	7.001596989	1.012710672
1.341803641	0.377284174	6.119712607	6.271773497	6.345948497	6.197598497	1.023936691
1.578305278	0.694123682	9.075213313	7.480574944	7.698034944	7.263114944	1.059880644
1.496496048	0.506330881	7.033205627	7.412517986	7.507172986	7.317862986	1.025869574
2.168555312	1.210266973	14.8812263	8.063192759	8.100032759	8.026352759	1.009179761
1.57969626	0.543342615	11.58101941	4.73847435	5.05792435	4.41902435	1.144579425
1.627090721	0.797391913	10.86344319	7.992224712	8.068007212	7.916442212	1.019145595
1.828481387	0.946673554	13.777803	6.811127034	6.917357034	6.704897034	1.031687288
1.231003031	0.288294518	4.111520903	7.055788126	7.185028959	6.926547292	1.037317534
1.698243034	0.71496058	14.72069276	4.979783251	5.178644501	4.780922001	1.083189498
1.498412746	0.646870074	9.579856325	6.908792233	6.947387233	6.870197233	1.011235485
1.712350983	0.49349439	10.60557349	4.806263819	4.866868819	4.745658819	1.025541238
1.405764552	0.645315257	8.124560701	8.247700436	8.490880436	8.004520436	1.060760667
1.185290976	0.155026719	3.455735858	4.518653232	4.568455732	4.468850732	1.022288728
1.70933388	0.292599655	7.626946384	3.850713342	3.903078342	3.798348342	1.027572511
1.450787312	0.4267204	6.434205495	6.585127651	6.595709651	6.574545651	1.003219082
1.611026968	0.662528372	10.6721336	6.544885808	6.898023308	6.191748308	1.114067137
2.19673696	1.058452841	20.17121426	6.218752483	6.383952483	6.053552483	1.054579522
1.4357834	0.368376776	5.958293337	6.305440416	6.312670416	6.298210416	1.00229589
1.331091899	0.165279274	4.770502084	3.322415668	3.397000668	3.247830668	1.045929119
1.541312416	0.648845491	10.09610137	6.351816386	6.548807636	6.154825136	1.064011973
1.234092289	0.283164153	5.072877188	5.496102568	5.591751318	5.400453818	1.035422486
2.178687003	0.847288947	14.92922125	5.832488326	5.866823326	5.798153326	1.011843426
1.317832962	0.195205849	5.065492452	4.077037692	4.227711025	3.926364358	1.076749542
1.456978617	0.605817663	8.414143288	7.277783588	7.464339588	7.091227588	1.052615996
1.984020206	0.966382676	14.52722906	6.608489421	6.833804421	6.383174421	1.070596536
1.690275393	0.690648674	9.379207595	7.351948928	7.411873928	7.292023928	1.016435766
1.42599949	0.52885018	9.410261057	5.417506542	5.532082792	5.302930292	1.043212429
2.041264522	0.849309607	14.04640766	5.679474479	6.262979479	5.095969479	1.229006474
1.560808227	0.550930773	9.294734379	5.805920877	5.935200877	5.676640877	1.045548064
2.126092686	0.918609664	13.16704453	7.04575873	7.23771623	6.85380123	1.056014901
1.425880746	0.686402734	8.608176857	7.968352365	8.367860698	7.568844032	1.105566539
1.232268592	0.159180535	3.796226929	4.086677898	4.234352898	3.939002898	1.074980904
1.359225474	0.330946685	7.051785077	4.4587042	4.5535642	4.3638442	1.043475429
1.480794968	0.497124668	9.683599462	4.872388484	4.896663484	4.848113484	1.010014205
1.689708956	0.84282726	11.03336289	8.050353332	8.293830832	7.806875832	1.062375143
1.294954325	0.537983324	5.58337967	9.641003431	9.735938431	9.546068431	1.019889864
1.553508311	0.730458024	8.740079123	8.492249377	8.551796877	8.432701877	1.014122994

2.530028533	1.715559727	23.75514821	7.730282966	7.844117966	7.616447966	1.029891887
1.436670738	0.436769962	7.939119581	5.381871398	5.419053398	5.344689398	1.013913624
2.206549049	0.879618821	14.9933285	5.809866201	5.915479534	5.704252867	1.037029681
1.556404035	0.628450281	8.703937319	7.017875838	7.340747505	6.695004171	1.096451521
1.312215944	0.478077184	5.508086024	8.68096742	8.69633742	8.66559742	1.003547361
1.457898823	0.536708915	8.422814359	6.690993797	6.762860464	6.619127131	1.021714847
1.306495784	0.374172699	5.656537805	6.547761137	6.668376137	6.427146137	1.037532988
1.665290795	0.662360416	9.50677903	6.564916198	6.586501198	6.543331198	1.006597557
1.315595332	0.340764149	5.353437541	6.497103475	6.523438475	6.470768475	1.008139682
1.439448964	0.361313814	7.696448588	5.599512318	5.769062318	5.429962318	1.062449789
3.736975575	1.649757134	27.80378684	6.795635718	6.805880718	6.785390718	1.003019723
1.212561582	0.259517063	4.308931774	6.127680791	6.330610791	5.924750791	1.068502459
1.392466775	0.569319962	7.904976691	7.318301319	7.392681319	7.243921319	1.020535839
1.903575633	1.051592292	14.28540851	7.507251379	7.585838879	7.428663879	1.02115791
1.604877247	0.676623652	8.153951555	8.338551637	8.404996637	8.272106637	1.016064832
2.040180277	0.801039669	11.6346431	6.973540705	7.070260705	6.876820705	1.028129278
1.924855182	0.63950811	13.2213698	4.888616798	4.902961798	4.874271798	1.005886007
1.841103066	0.796410614	11.24315144	7.881343518	8.006633518	7.756053518	1.032307668
2.70627909	1.310122728	19.5114145	6.067598218	6.149471968	5.985724468	1.027356338
1.888082375	0.747391232	9.552307429	8.047441628	8.048991628	8.045891628	1.00038529
2.128242076	1.285069999	18.6414749	6.200990466	6.531580466	5.870400466	1.112629454
1.444323295	0.490261135	8.108639381	6.216175128	6.298565128	6.133785128	1.026864325
1.870812384	0.711218331	12.5982288	5.515849756	5.730799756	5.300899756	1.08109944
1.251462953	0.276074914	5.441437635	5.002665127	5.095920127	4.909410127	1.037990307
1.463903579	0.43190272	7.786253182	5.4355821	5.5428871	5.3282771	1.04027756
1.339207626	0.480807198	5.977949757	7.681218064	7.790693064	7.571743064	1.028916723
4.381060526	1.976555086	35.75562442	6.783076	7.302421	6.263731	1.165826087
1.501188574	0.457419218	7.461099305	6.197465066	6.421413399	5.973516733	1.074980399
1.200623954	0.265541323	5.361225763	4.782956189	4.810038689	4.755873689	1.011389075
1.244120513	0.111914366	3.338793473	4.703369278	4.948929278	4.457809278	1.110170707
1.493717733	0.392148414	8.646720215	4.472204494	4.499821161	4.444587828	1.012427099
2.11311682	0.84290845	12.04157213	6.973510446	7.086385446	6.860635446	1.032905115
1.846785351	1.131910642	14.66478565	7.852741437	8.129686437	7.575796437	1.073113105
1.472338592	0.701271325	8.609489614	8.462453074	8.501313074	8.423593074	1.009226467
1.129581807	0.248046723	3.079990975	7.883408779	7.962548779	7.804268779	1.020281208
1.271850204	0.312439051	6.39736935	4.754151327	4.775901327	4.732401327	1.009191951
1.696985759	0.873195305	9.830785681	9.018028956	9.170433956	8.865623956	1.034381111
2.227874209	1.367959393	22.84532883	5.628141074	5.771566074	5.484716074	1.052299881
1.70430098	0.6625203	10.56680216	6.62123436	6.777437693	6.465031027	1.048322532
3.270498442	1.965128588	29.04278034	6.509605922	6.621470922	6.397740922	1.034970156
2.021181055	0.797894333	12.35605442	6.204395349	6.303642849	6.105147849	1.032512726
1.53186044	0.446662543	7.109533467	5.878493792	5.974503792	5.782483792	1.033207183
1.308537678	0.296253502	5.48539979	5.430613034	5.447858034	5.413368034	1.006371265
1.610346618	0.581241594	11.54598688	4.809535131	4.814696381	4.804373881	1.002148563
1.434135724	0.44386317	7.158765873	6.499310585	6.503315585	6.495305585	1.001233198
1.421329943	0.441798328	5.469491972	8.222315654	8.248290654	8.196340654	1.006338194
1.732542537	0.788529884	13.55580676	5.489204229	5.547894229	5.430514229	1.021614896

1.214305425	0.221537846	4.807359893	4.576564863	4.640684863	4.512444863	1.028419184
1.416469128	0.405734757	6.749290013	5.836060704	6.012700704	5.659420704	1.06242335
1.373269844	0.420457246	7.096650856	6.11358219	6.15497619	6.07218819	1.013633965
1.455105189	0.575311061	8.306002422	6.811967406	6.933369073	6.69056574	1.036290404
3.039458986	1.27050326	23.51742028	5.782827829	5.818937829	5.746717829	1.012567173
1.236369591	0.263583569	5.144129826	4.918210408	4.974632074	4.861788741	1.02321025
1.629869899	0.6572426	10.43927136	6.175082841	6.186602841	6.163562841	1.003738098
2.972064694	1.146701778	15.90290995	7.053718225	7.154278225	6.953158225	1.028924985
1.175200786	0.111864935	3.059007293	3.644880524	3.664675524	3.625085524	1.010921122
1.658476751	0.474506221	9.257856131	4.915646658	4.919009158	4.912284158	1.001369017
2.416387544	1.147968197	24.16522997	4.6000948	4.6016598	4.5985298	1.000680652
1.395512818	0.442084272	7.504207938	5.646417546	5.664622546	5.628212546	1.006469194
4.368599718	1.938542277	40.18313514	4.667344828	4.726394828	4.608294828	1.025627701
2.893837995	2.108164733	26.84465503	7.087309811	7.121089811	7.053529811	1.009578183
1.37535696	0.205618585	4.987690481	4.153986585	4.277211585	4.030761585	1.061142292
1.160947693	0.207334375	3.886963823	5.253442604	5.364309271	5.142575937	1.043117172
2.471396575	1.512460816	29.4851116	4.963408588	5.078208588	4.848608588	1.047353791
1.272637674	0.189196577	4.417808301	4.193708015	4.242638015	4.144778015	1.023610432
1.84818946	1.030870555	15.62525342	6.007654879	6.084781129	5.930528629	1.026009907
1.861341623	0.656749183	10.95274548	5.481055653	5.991650653	4.970460653	1.205451782
1.5448867	0.445457386	9.128572614	5.071394956	5.198704956	4.944084956	1.051499924
1.305394616	0.295658748	6.361715551	4.735089654	4.879284654	4.590894654	1.062817821
1.510722281	0.598996786	8.954234577	6.600223839	6.621447839	6.578999839	1.006452045
1.993038193	0.888423053	16.06248099	5.619093284	5.670463284	5.567723284	1.018452785
1.617641046	0.715937319	10.79871187	6.651635119	6.930990119	6.372280119	1.087678192
2.178730622	1.176628715	17.9851815	6.137063865	6.181723865	6.092403865	1.01466088
1.365490128	0.400593349	6.086533061	6.861665515	7.016955515	6.706375515	1.046311156
1.209048033	0.186560786	4.561077495	4.051199682	4.078769682	4.023629682	1.013704044
1.53995559	0.510931077	9.078813401	5.514671398	5.718351398	5.310991398	1.07670131
1.072831186	0.094448624	2.379636179	3.996193624	4.000778624	3.991608624	1.002297319
1.994696399	1.049899836	14.98215125	7.737903274	7.791660774	7.684145774	1.013991796
1.401388557	0.467916529	6.545158774	7.132276083	7.286321083	6.978231083	1.044150157
1.454076267	0.508254568	8.841429879	5.961285475	6.025550475	5.897020475	1.021795753
1.201920458	0.154663489	3.577865367	4.362376305	4.423236305	4.301516305	1.028296998
1.622836697	0.759725799	10.4823492	7.654798261	7.720618261	7.588978261	1.017346209
1.239491889	0.258118005	4.881397771	5.835322557	5.895800057	5.774845057	1.020945151
1.157930011	0.137028962	2.771202506	5.101123443	5.193013443	5.009233443	1.036688248
1.495797172	0.651083449	8.144168026	7.944687114	8.154372114	7.735002114	1.05421718
1.336994604	0.295039081	5.940603232	5.079342884	5.104852884	5.053832884	1.010095308
1.328163441	0.269436506	5.311743267	4.966865327	5.069370327	4.864360327	1.042145315
1.640917153	0.73912848	10.63284128	6.464052655	6.511967655	6.416137655	1.014935777
2.07484996	1.087893641	17.2713796	6.812588647	6.89505698	6.730120314	1.024507239
3.294685667	2.467501041	33.75019906	6.562060264	6.643605264	6.480515264	1.025166209
4.197825122	1.275030676	19.24832718	6.825078012	6.960518012	6.689638012	1.040492475
1.257584791	0.26707729	4.291607922	6.242691715	6.281636715	6.203746715	1.012555316
1.251547298	0.152372983	4.492270854	3.274850807	3.281343307	3.268358307	1.003972943
1.233061967	0.408288387	5.087775639	7.870794821	7.926189821	7.815399821	1.014175858

1.342323682	0.310590581	5.911131349	4.926305313	4.978255313	4.874355313	1.021315639
1.195903923	0.227374252	4.037731748	5.413172955	5.593962955	5.232382955	1.069104269
1.134339694	0.132724758	3.39861484	3.75460427	3.77269927	3.73650927	1.009685511
1.680760362	1.238695532	12.56143038	9.559109543	9.735349543	9.382869543	1.037566333
1.839317315	1.37850541	14.30642188	9.240490353	9.361565353	9.119415353	1.026553237
1.664494132	1.166795157	11.3279511	9.869081008	9.985096008	9.753066008	1.023790468
1.470291013	0.990174039	9.145348946	10.53372149	10.63416649	10.43327649	1.019254737
1.768616733	0.929286711	15.33514947	5.691592997	5.707682997	5.675502997	1.005669982
1.248814009	0.33530409	5.18640579	6.670691326	6.759501326	6.581881326	1.026986205
2.033293905	0.928804546	15.10976657	5.858654029	5.871979029	5.845329029	1.004559196
1.326495627	0.411643226	6.158337841	6.603991517	6.668661517	6.539321517	1.01977881
1.425139418	0.547659142	7.109743605	7.469893053	7.612303053	7.327483053	1.0388701
1.888026879	0.69886425	11.39506479	6.043598479	6.174838479	5.912358479	1.044395143
1.724708536	0.740159039	12.27627237	5.825748396	5.939068396	5.712428396	1.039674896
1.315153581	0.151014081	4.220452464	3.574779131	3.633519131	3.516039131	1.033412597
1.73396684	0.650862103	8.575428997	7.369667386	7.544282386	7.195052386	1.04853752
1.456528903	0.565361522	7.188073521	7.94407295	8.07534295	7.81280295	1.033603817
2.13884505	1.220223348	18.46525477	5.975823917	5.997705583	5.95394225	1.007350312
1.291950587	0.261471076	5.745327338	4.420556482	4.471251482	4.369861482	1.023202108
1.137683141	0.1313587	3.030967998	4.224493275	4.276984942	4.172001609	1.025163781
1.140315401	0.088786105	2.446931901	4.362011077	4.821236077	3.902786077	1.235331884
1.556995988	0.568335151	8.732223475	6.508664094	6.576084094	6.441244094	1.020933844
1.431165909	0.585528525	7.694760896	7.63963744	7.73811994	7.54115494	1.026118678
1.291345646	0.34164358	5.143358707	6.609669528	6.660329528	6.559009528	1.015447454
1.161827064	0.193150901	3.644012471	5.409587137	5.613657137	5.205517137	1.078405274
1.19824865	0.210293552	3.485678572	6.011357983	6.066857983	5.955857983	1.018637113
2.381275569	1.435773944	17.34088985	7.832039993	7.928554993	7.735524993	1.024953704
1.897852322	1.062466651	16.60398682	6.31876161	6.37928161	6.25824161	1.019340896
1.458140401	0.268851187	6.334771951	4.230270503	4.234783003	4.225758003	1.002135712
1.468779429	0.407730037	8.222857284	4.745490048	4.956465048	4.534515048	1.09305295
1.834936758	0.795550828	15.28974065	5.084797461	5.095492461	5.074102461	1.004215524
1.495654378	0.513842683	9.111671815	5.533621744	5.549021744	5.518221744	1.005581508
1.281053303	0.22995175	4.89521271	4.658623177	4.706208177	4.611038177	1.020639604
3.0109966	1.293379084	18.1927516	7.230198813	7.251273813	7.209123813	1.005846758
1.749790865	0.546675593	10.57386089	4.998877762	5.134087762	4.863667762	1.055600015
1.514765217	0.377717198	8.400501692	4.278132881	4.322396214	4.233869548	1.020909163
1.953513297	0.890879854	11.47217084	7.804761072	7.814421072	7.795101072	1.00247848
1.785001627	0.681231546	9.322169672	7.168234726	7.403055976	6.933413476	1.067736116
1.365508193	0.213371396	5.831906894	3.562734917	3.608514917	3.516954917	1.026033885
1.426052923	0.252906549	6.369823737	4.054510391	4.117885391	3.991135391	1.03175788
2.047999226	1.053720818	12.84370216	8.302532771	8.564587771	8.040477771	1.065183937
1.813096731	0.803184336	10.67672836	7.32098043	7.43752543	7.20443543	1.03235368
1.281450433	0.287151293	5.351297603	5.552593418	5.623602168	5.481584668	1.02590811
2.058923048	0.556224219	13.46166775	4.064742228	4.097667228	4.031817228	1.016332586
1.48340005	0.31483752	7.331429926	4.275184161	4.320019161	4.230349161	1.021196832
1.141637095	0.13457399	2.747762982	4.884513333	4.937238333	4.831788333	1.021824218
2.102292442	0.942338422	15.26317421	6.044616564	6.055789064	6.033444064	1.003703523

1.196195279	0.381428805	4.101524976	9.263642268	9.277377268	9.249907268	1.00296976
1.282687242	0.377701643	6.421722757	5.843270211	6.068875211	5.617665211	1.080319845
1.407586579	0.50762419	6.440940092	7.739018715	7.937476215	7.540561215	1.052637329
1.362828764	0.406019158	6.700273228	6.315580118	6.373610118	6.257550118	1.018547195
1.612598571	0.543597282	9.175683736	6.090424183	6.146509183	6.034339183	1.018588614
1.375483567	0.372532929	6.547082937	5.677097937	5.754142937	5.600052937	1.027515811
1.767358556	0.682425438	9.633867536	6.982655211	7.150995211	6.814315211	1.049407753
1.170230445	0.175796621	3.586043382	5.042133234	5.057431984	5.026834484	1.006086833
1.30297846	0.302837076	4.988601278	6.067388814	6.161408814	5.973368814	1.031479724
1.616074392	0.665989171	10.36093969	5.839251935	5.905224435	5.773279435	1.022854428
1.446568182	0.34507931	6.971870355	4.891434199	4.921979199	4.860889199	1.012567659
1.491766423	0.412963181	8.548264305	4.742954548	4.805424548	4.680484548	1.026693817
1.220858315	0.15792226	3.351999456	4.747398711	4.779188711	4.715608711	1.013482883
1.6512648	0.77890752	10.57634005	7.317694785	7.486416452	7.148973118	1.047201651
1.282757433	0.293265044	5.854103047	4.992120657	5.021913157	4.962328157	1.012007469
1.15792664	0.151808282	3.220738743	5.24726303	5.26356553	5.23096053	1.006233081
1.819844995	0.856634217	14.10206326	6.282494248	6.442857581	6.122130915	1.052388077
1.897433551	0.999492375	15.49017267	6.429094942	6.559572442	6.298617442	1.041430521
1.220563955	0.465656522	4.633632027	9.867424025	9.882207358	9.852640691	1.003000888
1.592455021	0.660280136	9.642052549	7.063146126	7.193893626	6.932398626	1.03772071
1.267520099	0.350850991	5.607868578	6.356136268	6.414283768	6.297988768	1.018465419
1.212698328	0.358603528	5.44422277	6.735613918	6.760731418	6.710496418	1.007486033
1.311773251	0.610221141	6.93467093	8.723986582	8.825537415	8.622435749	1.023555022
3.742163734	1.783481375	30.1474723	7.218896465	7.360981465	7.076811465	1.04015509
1.186132876	0.237840999	3.70456997	6.49868151	6.52346651	6.47389651	1.007656903
1.261601294	0.38489863	3.901688708	9.623067106	9.674712106	9.571422106	1.0107915
1.529805726	0.543649265	8.969234007	6.118681301	6.166346301	6.071016301	1.015702478
2.199318096	1.037840662	20.74022434	6.478429851	6.725679851	6.231179851	1.079358968
1.415648788	0.449292036	6.067313525	7.620903308	7.675238308	7.566568308	1.014361861
1.537006074	0.532207902	7.975403434	6.667694558	6.950368308	6.385020808	1.088542781
1.488024703	0.466170358	8.649380891	5.668776096	5.759792346	5.577759846	1.032635414
1.673427029	0.540541782	9.481540452	5.799246676	5.833696676	5.764796676	1.011951853
2.095353298	0.941273554	17.14269223	5.244710838	5.363445838	5.125975838	1.046326789
1.25086784	0.362373685	4.807259683	7.685284438	7.698184438	7.672384438	1.003362709
2.243509561	1.485541748	20.65148795	8.499127129	8.596332129	8.401922129	1.023138753
2.305358513	0.8386217	20.26603874	4.168065389	4.172205389	4.163925389	1.001988508
1.323608615	0.570442185	5.664565088	10.00471798	10.00724798	10.00218798	1.000505889
1.15348902	0.205289516	2.876407696	7.142445636	7.174195636	7.110695636	1.008930209
1.55814485	0.688493068	9.767978447	7.179206916	7.310289416	7.048124416	1.037196421
1.316150943	0.536614362	6.273242181	8.421650638	8.453560638	8.389740638	1.00760691
1.350260236	0.479610973	6.781847638	7.172680231	7.199455231	7.145905231	1.007493802
2.094287909	1.034832182	23.74710978	4.824893192	4.991910692	4.657875692	1.071714022
1.471597257	0.72124463	8.594821314	8.337335294	8.429830294	8.244840294	1.022437063
1.305817232	0.541382196	5.612825912	9.690301448	9.742986448	9.637616448	1.010933201
1.291082923	0.35605382	4.573337974	7.813227967	7.909827967	7.716627967	1.025036843
1.42021175	0.659735684	7.580887808	8.803734712	8.970079712	8.637389712	1.038517424
1.250728845	0.458771725	4.89346264	9.231843093	9.328528093	9.135158093	1.021167669

1.181530119	0.242739936	3.621367841	6.79733339	6.91671339	6.67795339	1.035753469
1.414851532	0.520670296	7.070286758	7.326007265	7.349132265	7.302882265	1.006333116
1.37656207	0.462768407	7.417076595	6.282190648	6.415165648	6.149215648	1.043249418
1.406831625	0.737664546	8.584561598	8.602154944	8.686199944	8.518109944	1.019733251
1.370071772	0.488980185	6.584145362	7.335301318	7.399641318	7.270961318	1.017697797
1.375688256	0.440511583	6.670776163	6.444023456	6.623923456	6.264123456	1.057438204
1.42969949	0.658743811	7.558013276	8.73864184	8.81679684	8.66048684	1.018048639
1.284001956	0.502640866	5.715086647	8.730448624	8.756583624	8.704313624	1.006005069
1.249004498	0.379103586	4.358612096	8.614416956	8.756366956	8.472466956	1.03350854
2.510414512	1.000113694	15.50938156	5.772185984	5.893705984	5.650665984	1.043010859
1.42583976	0.69400792	8.854727746	7.887144768	8.042129768	7.732159768	1.040088411
1.182296089	0.392988212	3.5229511	11.14501754	11.22266754	11.06736754	1.014032244
1.568120521	0.569311159	9.526650054	5.6122639	5.7233564	5.5011714	1.040388671
1.14599796	0.120245008	3.078917066	5.104658052	5.135833052	5.073483052	1.012289388
2.555827843	1.253531344	27.34626055	4.713053368	5.015700868	4.410405868	1.137242471
1.303862573	0.199733884	5.046672044	3.921902658	4.135782658	3.708022658	1.115360676
2.982690039	1.730426396	38.4529343	5.675092226	5.687108892	5.663075559	1.004243866
1.38725671	0.316047415	5.6293253	5.597305339	5.720439089	5.474171589	1.044987172
1.982021112	0.880351494	19.83750935	4.10322693	4.12994443	4.07650943	1.013108028
1.363643194	0.349100951	6.819958715	5.049964986	5.131152486	4.968777486	1.032679065
4.182968832	2.262570858	28.65489435	8.183963512	8.422978512	7.944948512	1.060167791
1.417858132	0.407989518	6.910144917	6.086060744	6.248685744	5.923435744	1.054909011
1.612072505	0.741579744	9.112784577	8.022591871	8.038756871	8.006426871	1.004038006
1.142805939	0.147531433	3.217720874	4.569287788	4.591712788	4.546862788	1.009863944
1.511143689	0.372449009	7.583591198	4.994848096	5.035283096	4.954413096	1.016322821
1.259434885	0.244090446	4.646157521	5.273683987	5.366705416	5.180662558	1.035911016
1.401040742	0.327058114	6.219481998	5.247603528	5.289173528	5.206033528	1.015969932
1.421741083	0.401576571	6.46863576	6.345847754	6.478396087	6.21329942	1.042666005
1.294156928	0.310567267	5.636040815	5.410334527	5.450914527	5.369754527	1.015114285
1.215401359	0.177128298	3.905830696	4.367794968	4.482274968	4.253314968	1.053830953
1.315947676	0.553638447	6.225487165	9.081767067	9.084527067	9.079007067	1.000607996
1.320259	0.359667854	4.998537544	7.184338262	7.334478262	7.034198262	1.042688589
1.535120838	0.792526874	10.92434467	7.268611478	7.405208978	7.132013978	1.038305449
3.233375626	1.447236682	21.17777354	7.169534579	7.220219579	7.118849579	1.01423966
1.452555027	0.479914641	7.422946703	6.673376468	6.677516468	6.669236468	1.001241521
1.963041156	0.721768343	9.727171846	7.376348887	7.379523887	7.373173887	1.00086123
1.311943219	0.299714558	6.030918497	4.790424485	4.890157819	4.690691152	1.042523939
1.302519641	0.4218416	5.531154735	7.994852379	8.144107379	7.845597379	1.038048091
1.364213215	0.383770821	6.520669313	5.825565163	5.914087663	5.737042663	1.030859976
1.56897041	0.567490817	8.872324223	6.226023197	6.229258197	6.222788197	1.001039727
1.30795895	0.316807061	5.438937033	5.682453034	5.758713034	5.606193034	1.027205628
1.220893243	0.266921518	4.638936521	5.84145868	5.93122618	5.75169118	1.031214298
1.432922404	0.462072311	7.408208574	6.348298441	6.399741774	6.296855107	1.016339373
1.499708474	0.434914975	7.986513879	5.378991778	5.438019278	5.319964278	1.022190938
1.905869737	0.770890537	12.67458862	6.11581242	6.295815753	5.935809087	1.060649974
1.583010094	0.587553909	9.116655214	6.533230726	6.604481976	6.461979476	1.022052453
1.462712708	0.511074672	10.31597679	4.983098895	5.183613895	4.782583895	1.083852162

1.781371287	0.689384886	14.03482636	5.258343817	5.650838817	4.865848817	1.161326426
1.313317698	0.346240411	7.18927201	4.776667505	4.823687505	4.729647505	1.019883089
1.43226303	0.208194023	5.82293703	3.606330924	3.631870924	3.580790924	1.014265005
1.331714819	0.456364034	5.865792718	7.952990164	8.085490164	7.820490164	1.033885344
1.51200999	0.647216725	9.862239111	6.104236956	6.268294456	5.940179456	1.055236547
1.508806996	0.755110477	9.041879371	8.032149259	8.208239259	7.856059259	1.044829092
1.363458892	0.443221648	7.152136352	6.307213544	6.352168544	6.262258544	1.01435744
2.30167434	1.14659466	19.63217032	5.441744292	5.620709292	5.262779292	1.068011592
1.522103455	0.522554359	8.597226937	6.067448496	6.166630996	5.968265996	1.033236622
1.312585085	0.172369066	4.603858309	4.242684373	4.513149373	3.972219373	1.13617828
1.209387893	0.200071629	4.303789206	4.678097806	4.728082806	4.628112806	1.021600597
1.462429841	0.466681422	9.419448324	5.359333096	5.945888096	4.772778096	1.245791859
2.794760071	1.619374844	20.89008133	7.670080613	7.687825613	7.652335613	1.0046378
2.169465823	1.10597913	14.70858114	8.046827089	8.167232089	7.926422089	1.030380668
1.525655086	0.742509778	9.206263115	7.997441664	8.109941664	7.884941664	1.028535405
1.569849625	0.574539963	8.387803001	6.997607179	7.043503846	6.951710512	1.013204424
1.948205583	0.827586404	11.73707539	6.951347226	7.012967226	6.889727226	1.017887501
1.308248929	0.547711163	6.117531974	9.104257544	9.105287544	9.103227544	1.000226293
1.216020984	0.173552049	3.840092166	4.421645013	4.425985013	4.417305013	1.001964999
1.171684531	0.241017628	3.581227989	6.896712994	6.939191327	6.854234661	1.012394771
1.281793532	0.290163587	5.087835038	5.802649516	5.878202516	5.727096516	1.026384399
2.020411368	0.817710217	17.36684997	4.742555955	4.969970955	4.515140955	1.100734397
1.769009362	0.734745031	10.01996033	6.745164711	6.751442211	6.738887211	1.001863067
1.439762752	0.569727269	8.604288983	6.553455924	6.739993424	6.366918424	1.05859585
2.68756776	1.220641862	19.05563786	6.250117226	6.260864726	6.239369726	1.00344506
1.77292918	0.346290753	7.651974899	5.097546802	5.133394302	5.061699302	1.014164216
1.241973774	0.261952	5.168309941	5.011398918	5.110616418	4.912181418	1.040396513
1.998514847	1.090840893	14.84255939	7.237692089	7.277972089	7.197412089	1.011192912
1.46901809	0.355541123	7.17184295	5.111894918	5.176219918	5.047569918	1.025487512
1.285257167	0.351779781	5.733506227	6.207301998	6.280040331	6.134563665	1.023714265
1.33557947	0.382203643	7.186217574	5.236132666	5.280192666	5.192072666	1.016972027
1.847849117	0.526909843	10.93089285	4.945818804	5.005863804	4.885773804	1.024579525
1.22941585	0.392275993	3.94154607	9.824426248	9.853034582	9.795817915	1.005840928
1.461952548	0.409897922	9.091784075	4.692706325	5.121701325	4.263711325	1.20123079
1.780337251	0.612124876	10.9249412	6.037607455	6.397804955	5.677409955	1.126887966
1.41442771	0.345467436	6.151741277	5.794486813	5.846579313	5.742394313	1.018143129
3.571470108	1.343223456	24.45683712	5.350397998	5.396112998	5.304682998	1.017235714
1.250179329	0.206970756	4.500189456	4.739605881	4.825490881	4.653720881	1.03691025
2.07274524	0.889682491	19.50235057	4.452049584	4.470639584	4.433459584	1.008386227
3.394707743	1.371145717	24.83474613	5.46613442	5.47027442	5.46199442	1.00151593
1.391909895	0.555118572	8.166909177	6.778244777	6.803344777	6.753144777	1.007433574
1.559321212	0.538446756	7.580466881	6.900582537	7.033472537	6.767692537	1.039271879
2.701117639	1.206148587	19.74808212	6.150615732	6.386903232	5.914328232	1.079903411
1.420340761	0.538194271	7.246306919	7.496891772	7.583336772	7.410446772	1.023330577
1.229604662	0.248324783	4.602945358	5.43585803	5.43733803	5.43437803	1.000544681
1.354431253	0.342797462	5.855474614	5.871813912	6.136503912	5.607123912	1.094412039
1.413855793	0.345144721	7.263950204	4.672610715	4.716123215	4.629098215	1.018799558

1.288273834	0.373963092	4.271353148	8.667466664	8.728164997	8.60676833	1.014104791
1.817457409	0.938725246	13.77428844	6.04663909	6.05135909	6.04191909	1.001562417
1.828126747	0.650313508	10.44782078	6.777104504	6.941329504	6.612879504	1.049668227
2.467345796	1.238175674	18.6592042	6.349498096	6.488426846	6.210569346	1.044739457
1.234795061	0.18930222	3.975743418	5.096780809	5.57705938	4.616502238	1.20807033
1.687994145	0.649197832	12.58358535	5.602812788	5.643187788	5.562437788	1.014517016
2.277760573	0.908553656	14.24751136	6.279009521	6.560014521	5.998004521	1.093699496
1.293664001	0.215626162	4.80874302	4.584108389	4.663003389	4.505213389	1.035023868
2.223814423	1.042867285	13.40303754	7.917038244	8.112933244	7.721143244	1.050742486
1.721810558	0.925275384	12.60243453	7.956801088	8.222576088	7.691026088	1.069113015
1.472506932	0.501492766	8.451118443	6.068803335	6.131808335	6.005798335	1.02098139
1.312403996	0.358469824	5.61917689	6.399714566	6.476707066	6.322722066	1.024354226
1.626963562	0.616447623	9.046360796	7.071794176	7.151150842	6.992437509	1.022697855
2.696415832	1.210742571	19.12175194	6.462523117	6.479309784	6.44573645	1.005208611
1.306934432	0.35906542	5.71648477	6.333238952	6.341238952	6.325238952	1.002529549
2.868092251	1.869813802	33.37924217	4.952996824	4.980631824	4.925361824	1.011221511
2.557601127	1.684598464	27.66045603	5.974548776	6.077858776	5.871238776	1.035191892
1.981692235	0.97925816	16.84701702	5.501478316	5.573373316	5.429583316	1.026482695
1.242618993	0.432303687	4.684960581	9.414965778	9.607365778	9.222565778	1.041723747
1.1678274	0.333536236	3.110662331	10.93419771	10.95618021	10.91221521	1.004028971
1.559391357	0.71392634	9.412980581	8.092279201	8.120936701	8.063621701	1.007107848
1.863250111	0.870386599	16.28641586	5.416805421	5.537065421	5.296545421	1.045410731
1.644140118	0.809880015	12.03277443	7.078232524	7.225550024	6.930915024	1.04251026
2.047234562	0.846654126	9.601796976	8.643782779	8.815537779	8.472027779	1.040546373
1.148316746	0.179654517	3.823484196	4.744963263	4.856388263	4.633538263	1.048094995
1.797663596	0.615664568	11.63814322	5.681304832	5.769654832	5.592954832	1.031593318
2.593876238	1.355801761	27.6781823	4.886071958	4.893814458	4.878329458	1.003174242
2.053190733	0.868767992	14.0359632	6.179868625	6.401283625	5.958453625	1.074319618
1.229849777	0.28829272	4.888015312	5.855348519	5.914638519	5.796058519	1.020458731
2.427111114	1.090171541	21.63499566	4.796906882	4.828491882	4.765321882	1.013256187
1.444638251	0.415753535	6.606969671	6.288257739	6.452067739	6.124447739	1.053493803
2.371157659	0.660139451	14.901503	4.392168893	4.472926393	4.311411393	1.03746221
6.345756561	2.110273009	33.38902515	6.955741706	7.220034206	6.691449206	1.078994099
1.310889269	0.527460809	6.449572714	8.293723144	8.352423144	8.235023144	1.014256183
1.539326963	0.292811099	7.698329885	3.812193787	3.957938787	3.666448787	1.079501997
1.230114418	0.182531373	4.267222277	4.260604075	4.293944075	4.227264075	1.015773796
1.287806407	0.209247875	4.574132288	4.636202212	4.721782212	4.550622212	1.037612439
1.657590106	0.70051596	10.46828639	6.551316302	6.571958802	6.530673802	1.006321706
1.619121514	0.594046614	10.97507766	5.346627538	5.371660871	5.321594205	1.009408208
1.877011038	0.982226006	13.22681656	7.162697585	7.308632585	7.016762585	1.041596106
1.394720685	0.320243337	6.286006964	5.084620121	5.205460121	4.963780121	1.0486887
1.183897904	0.219213533	3.29096234	6.746872874	6.798825374	6.694920374	1.015519975
1.487689648	0.36429421	7.264262679	4.938809568	4.949949568	4.927669568	1.004521407
1.222991842	0.12450526	3.259810911	3.846747923	3.951687923	3.741807923	1.056090533
1.646829656	0.633163505	12.17278697	4.932587205	4.949147205	4.916027205	1.006737147
1.960103124	0.580840684	11.42661822	4.973994702	5.018874702	4.929114702	1.018210167
1.783065041	0.816172156	9.524965488	8.430714238	8.511889238	8.349539238	1.019444187

3.094639697	1.086861638	13.9845055	7.59753444	7.61248944	7.58257944	1.003944568
1.203269283	0.203446265	4.206631629	4.764666146	4.840186146	4.689146146	1.032210555
2.981243867	0.918265143	14.2372699	6.716842059	6.806037059	6.627647059	1.026916038
1.783872633	0.620202588	11.9997524	5.136103065	5.149823065	5.122383065	1.005356882
1.370334927	0.233270167	5.322861424	4.366693644	4.382158644	4.351228644	1.007108337
1.697009302	0.707631319	12.39471524	5.011292871	5.184467871	4.838117871	1.071587756
1.272445212	0.295438341	5.241402785	5.640366749	5.659771749	5.620961749	1.006904512
1.425035115	0.43522603	7.182447495	6.164759394	6.359694394	5.969824394	1.065306779
1.251448739	0.403166124	5.255225949	7.770551466	7.930208966	7.610893966	1.041954993
1.299135812	0.566934197	5.450213933	10.48518484	10.58718151	10.38318818	1.019646503
1.633261104	0.725617286	10.01539356	7.408183334	7.639578334	7.176788334	1.064484276
1.190445676	0.165254721	3.75313965	4.194743915	4.328033915	4.061453915	1.065636594
1.351802427	0.502248401	6.55846777	7.776548147	7.943223147	7.609873147	1.043804935
2.171078038	0.968800152	13.51160419	7.23699669	7.43377669	7.04021669	1.055901688
1.636730338	0.729338034	11.92054147	6.29179146	6.34436646	6.23921646	1.016853078
1.684083657	0.841059192	7.933025357	10.21091632	10.29955132	10.12228132	1.017512851
2.268254135	1.242495198	19.74567113	6.776749094	6.971144094	6.582354094	1.059065495
1.75573766	0.333886799	8.188265905	4.189544388	4.231274388	4.147814388	1.02012144
1.543620945	0.463325986	7.075510414	6.712324561	6.770649561	6.653999561	1.01753081
2.651870049	1.315869823	24.28704752	6.233545086	6.319620086	6.147470086	1.02800339
1.629433028	0.61419459	9.952863646	6.140458764	6.438938764	5.841978764	1.102184555
1.474952452	0.750599248	8.290050695	9.911006222	10.04105456	9.780957889	1.026592147
1.946779281	0.699122275	14.17742315	4.963902112	5.020699612	4.907104612	1.023149089
1.167302228	0.142609735	3.41282814	4.138953895	4.159773895	4.118133895	1.010111376
1.552185534	0.500161263	7.809693624	6.199858865	6.284915115	6.114802615	1.027819786
2.362688281	0.931693211	20.19595491	4.898100263	5.246015263	4.550185263	1.152923444
1.726799985	0.448245858	10.19068155	4.345730868	4.445273368	4.246188368	1.046885579
1.198893084	0.138432687	3.431661486	4.015303081	4.068944747	3.961661414	1.027080389
1.755116306	0.62878768	9.912419565	6.544177735	6.546925235	6.541430235	1.00084003
2.102366601	0.602008825	12.87728024	5.002653947	5.026443947	4.978863947	1.009556397
1.505958706	0.686294542	8.814514281	8.136238217	8.185724884	8.08675155	1.012238948
1.547466788	0.55753815	8.534252646	6.659950869	6.786117119	6.533784619	1.038619654
3.952998078	1.817162588	22.33525463	8.840479242	8.994964242	8.685994242	1.035571057
1.526079071	0.767343341	9.967740692	7.641556854	7.644941854	7.638171854	1.000886338
1.36598181	0.592212043	6.391579493	9.305506826	9.343526826	9.267486826	1.008205029
1.298443138	0.428668026	5.515641143	7.661741056	7.744878556	7.578603556	1.021940058
1.306105544	0.342157766	6.187844794	5.399197312	5.502762312	5.295632312	1.039113365
1.4200769	0.506813687	7.751970524	6.384047097	6.416742097	6.351352097	1.010295446
1.322673435	0.343225522	6.229981528	5.547053176	5.592525676	5.501580676	1.016530704
5.510178466	1.383672987	31.69492211	5.110978007	5.177918007	5.044038007	1.026542227
1.622188359	0.496111429	10.30754867	5.12917219	5.40230469	4.85603969	1.112491873
1.490791437	0.453395759	9.735829064	4.564679459	4.592244459	4.537114459	1.012150895
2.436824502	0.640914322	17.19785064	4.339514482	4.693324482	3.985704482	1.177539505
1.474801698	0.65310238	8.883050104	7.044865686	7.121795686	6.967935686	1.022081145
1.404997697	0.464593637	6.619446532	7.074456836	7.218382836	6.930530836	1.041533904
1.448935689	0.70395165	8.304255192	8.776739697	8.884788031	8.668691364	1.024928407
1.36905671	0.553864282	6.887606985	7.760234868	7.779674868	7.740794868	1.00502274

1.266798439	0.335825496	5.293400939	6.46158697	6.46324197	6.45993197	1.000512389
1.745276184	0.726465325	9.653282471	7.592931079	7.880126079	7.305736079	1.078621783
1.270978153	0.443812634	5.801073933	7.774701869	7.928641869	7.620761869	1.04040016
4.241544308	1.795548563	20.87708123	7.476679944	7.715239944	7.238119944	1.06591767
1.34270771	0.21085328	5.441419009	5.815145323	6.391740323	5.238550323	1.220135329
1.911943688	0.960442255	16.75701271	6.109823149	6.597973149	5.621673149	1.173667158
3.204212352	2.072167116	33.87765593	6.719935472	6.925775472	6.514095472	1.063198337
1.685594113	0.845869542	12.26137305	6.736674366	6.868492699	6.604856033	1.039915581
1.671019095	0.579253936	9.440501398	6.191417243	6.375199743	6.007634743	1.061182981
1.554061325	0.555539055	10.07102861	5.820524847	5.957934847	5.683114847	1.048357284
1.336094091	0.341238004	5.868330096	5.700583688	5.788356188	5.612811188	1.031275771
1.381048251	0.335612094	6.702536241	4.839736692	4.846336692	4.833136692	1.002731146
1.377628407	0.375516969	6.21203742	6.079550034	6.110645034	6.048455034	1.010281965
2.716743504	1.48658707	23.43875601	6.758742576	6.977152576	6.540332576	1.066788653
1.957733201	0.769594097	13.2392117	5.99535065	6.01633565	5.97436565	1.007025014
1.629352947	0.432163183	9.998477994	4.284443405	4.305756738	4.263130071	1.009998913
1.431407228	0.483956037	8.991667925	5.238432729	5.253433979	5.223431479	1.00574383
1.778898425	0.769162375	14.20398273	5.405326012	5.502126012	5.308526012	1.036469634
1.499276782	0.51702523	10.1314773	5.322487561	5.476238811	5.168736311	1.059492781
1.678725993	0.553281371	12.97036099	4.16129907	4.18494407	4.13765407	1.011429182
1.221796223	0.281672763	4.446048	6.590566741	6.652234241	6.528899241	1.018890627
1.66274624	0.668692148	12.48045773	5.565521581	5.613551581	5.517491581	1.017410085
1.182836586	0.110281068	3.107266658	3.592651714	3.661801714	3.523501714	1.039250726
1.412964439	0.499248072	8.169491657	6.390651644	6.578836644	6.202466644	1.060680697
1.455786615	0.420251845	8.031467627	5.257234425	5.561474425	4.952994425	1.122850936
1.810058954	0.879386881	17.01845523	5.236290287	5.425515287	5.047065287	1.07498417
1.357710641	0.47053874	8.895054229	5.648268325	5.780929991	5.515606658	1.048104107
3.095198124	1.568074022	20.73369025	8.094114852	8.138124852	8.050104852	1.010934019
1.421849818	0.417890557	7.75568721	5.264511382	5.293676382	5.235346382	1.011141574
2.357274336	0.895589286	11.82882859	7.602486497	7.774666497	7.430306497	1.046345329
1.691954967	0.800750511	10.18141939	7.497755858	7.525573358	7.469938358	1.007447853
1.173857463	0.154011871	3.513360562	4.331027182	4.351827182	4.310227182	1.009651463
2.2719245	0.870973996	15.93937462	5.065702642	5.065702642	5.065702642	1
1.810863928	0.630867148	10.40186729	5.982967432	6.123222432	5.842712432	1.048010236
1.548960535	0.449390244	7.722401968	5.733427744	5.737199411	5.729656077	1.001316542
3.250385659	1.331366496	20.63063908	6.991698064	7.681698064	6.301698064	1.218988594
2.657298287	1.500511923	22.26038567	6.307513644	6.320596144	6.294431144	1.004156849
2.609956836	1.382999373	18.0562065	7.930502987	8.091192987	7.769812987	1.041362643
-46.29249461	1.970990287	23.68081788	7.804890577	7.914055577	7.695725577	1.028370294
1.187168262	0.119614885	2.84312024	4.563592363	4.819702363	4.307482363	1.11891401
1.565514386	0.531451966	7.197891403	7.132180156	7.196235156	7.068125156	1.018125033
1.312892806	0.28618206	6.453828903	5.313536332	5.827936332	4.799136332	1.214371905
1.381370658	0.49575411	6.47799177	7.709035633	7.951105633	7.466965633	1.064837582
1.561421137	0.432940729	7.734945001	5.537887584	5.550957584	5.524817584	1.004731378
1.552318278	0.682687829	10.95540001	6.16064606	6.30310356	6.01818856	1.047342319
1.782639055	0.663661762	11.28280131	6.300071078	6.541451078	6.058691078	1.079680577
1.492718096	0.621235207	9.120881515	7.116253676	7.264388676	6.968118676	1.042517933

1.667682163	0.611387964	9.67526646	6.439720511	6.546660511	6.332780511	1.033773474
1.839023932	0.717373196	12.43922182	5.792656967	5.894611967	5.690701967	1.035832135
1.661986141	0.437531719	7.659291381	5.919647195	5.959814695	5.879479695	1.013663624
1.158812655	0.132051006	2.838855404	4.690087338	4.694072338	4.686102338	1.001700774
1.932359983	0.625964285	9.417664602	6.765675163	6.854395163	6.676955163	1.026574987
1.411081563	0.332643516	7.018256454	4.684386214	4.744671214	4.624101214	1.026074256
1.322178961	0.458721128	5.53079452	8.144813321	8.193183321	8.096443321	1.011948456
1.284260348	0.57111961	5.375980449	10.6899628	10.7028778	10.6770478	1.002419208
1.550456686	0.852397381	11.1298358	7.826719682	7.960854682	7.692584682	1.034873844
1.349949104	0.305700778	5.726520202	5.375835262	5.439905262	5.311765262	1.024123807
1.597242017	0.584240548	8.352864441	6.961561545	7.070251545	6.852871545	1.031721009
1.885800181	1.204401807	14.78087047	8.477779834	8.536004834	8.419554834	1.013830898
1.883220553	0.805206044	11.22040115	7.318656288	7.363521288	7.273791288	1.01233607
1.522493109	0.685233658	7.161050327	9.550494028	9.681984028	9.419004028	1.027920149
1.540702608	0.446417654	6.865920255	6.369254979	6.474819979	6.263689979	1.033706968
1.090195338	0.087780553	1.917819153	4.5873441	4.6178041	4.5568841	1.013368784
1.362217823	0.389829661	6.164189723	6.420386486	6.432186486	6.408586486	1.003682559
1.542888417	0.875084841	11.45284806	7.480594603	7.664864603	7.296324603	1.050510362
1.707334506	0.643747762	10.53441115	6.007202822	6.046002822	5.968402822	1.013001803
1.272291734	0.403670763	5.10235735	7.974807092	7.996722092	7.952892092	1.005511203
1.508955085	0.784866549	9.318915838	8.261185643	8.438645643	8.083725643	1.043905498
1.554434934	0.467316129	9.783666514	4.885536702	5.223166702	4.547906702	1.1484771
2.244215558	0.899601227	20.52890327	4.294253388	4.391683388	4.196823388	1.046430355
1.352102787	0.302872976	6.348678919	4.81012603	4.84919603	4.77105603	1.016377925
1.70710104	0.579625259	13.14471578	4.586720088	4.638057588	4.535382588	1.022638663
1.350949351	0.4486943	5.57154345	8.139769172	8.201219172	8.078319172	1.015213561
1.243060515	0.409996468	4.318502835	9.579581188	9.644796188	9.514366188	1.013708743
1.308117791	0.366076213	4.812561495	7.805233656	7.920916156	7.689551156	1.030088232
1.546219799	0.581805061	9.610561232	6.397070338	6.564652838	6.229487838	1.053802978
2.060099388	1.064526224	17.01942165	6.610846962	6.787146962	6.434546962	1.054797953
1.172473528	0.216351529	3.597271894	6.168535817	6.200375817	6.136695817	1.01037692
1.584336788	0.686518883	10.20163959	7.037301219	7.048206219	7.026396219	1.003104009
1.304799212	0.284443849	5.153490838	5.562331223	5.694026223	5.430636223	1.048500763
1.78736619	1.144702778	12.95941731	8.240101364	8.321416364	8.158786364	1.019933112
1.590043962	0.425673195	9.215460096	4.594149274	4.654666774	4.533631774	1.02669714
1.351810739	0.266719697	5.909423884	4.521615979	4.637195979	4.406035979	1.052464392
2.249926003	1.242288898	18.02257618	7.676512191	8.009742191	7.343282191	1.090757781
1.172291201	0.207484273	3.705067497	5.628999209	5.687594209	5.570404209	1.021037971
1.870964698	0.913805132	13.38444178	7.102214974	7.512574974	6.691854974	1.122644618
1.226849847	0.118658457	3.327348107	3.664750835	3.720735835	3.608765835	1.031027228
1.441891127	0.501854875	7.762269178	6.705010804	6.74613247	6.663889137	1.012341642
1.871764072	0.811567676	11.19326114	7.452878092	7.518495592	7.387260592	1.017765043
1.614105824	0.412610185	8.155513059	5.14172826	5.16104826	5.12240826	1.007543327
1.924220238	0.840566695	11.77689093	7.220643549	7.319828549	7.121458549	1.027855249
1.167391507	0.128514077	3.342183896	4.210317787	4.225227787	4.195407787	1.007107772
1.314801869	0.372825755	6.450641255	5.914420966	5.931408466	5.897433466	1.005760981
1.858071287	0.694892853	11.84047311	5.730493924	5.899678924	5.561308924	1.06084359

1.531840463	0.639359866	9.288381999	6.692797839	6.710352839	6.675242839	1.005259734
2.190606895	1.117726466	16.13379648	6.526687058	6.548037058	6.505337058	1.006563841
1.60141192	0.693197043	11.8368358	5.690672703	5.716662703	5.664682703	1.009176154
1.95903473	0.805735846	16.1787183	4.68751032	4.72558282	4.64943782	1.016377249
1.502514071	0.56144132	8.033985354	6.878933569	6.960278569	6.797588569	1.023933487
1.510241489	0.488418055	7.292980185	6.717710388	6.852095388	6.583325388	1.040825872
1.401097172	0.563284606	7.699176977	7.525711464	7.561499798	7.489923131	1.009556395
1.43874237	0.546210103	7.376156907	7.848421258	7.943181258	7.753661258	1.024442646
1.482672473	0.54852652	7.97084981	6.838955917	6.917677167	6.760234667	1.023289502
1.599062797	0.521460208	7.93145072	6.28321722	6.31234222	6.25409222	1.009313902
1.288446181	0.458963643	5.89209376	7.87631506	7.912676727	7.839953394	1.009275991
1.47622299	0.241987632	7.181476305	4.569147531	4.608307531	4.529987531	1.017289231
2.259574392	0.875971624	12.25900409	7.184763904	7.199088904	7.170438904	1.003995571
1.660635268	0.541195296	10.00077394	5.553256386	5.582614386	5.523898386	1.01062945
1.169767849	0.180098786	3.856887915	4.729848642	4.797608642	4.662088642	1.029068516
1.440456351	0.375157593	9.64140464	3.79837006	3.82180506	3.77493506	1.012416108
2.304276487	0.688687259	17.40719014	3.859128156	3.886653156	3.831603156	1.014367354
2.059843084	0.962165974	15.58624674	6.058203687	6.071083687	6.045323687	1.004261145
2.425005185	0.944184498	18.6442619	4.794565274	4.893380274	4.695750274	1.042086991
1.588407257	0.390069904	8.612675833	4.563447771	4.661277771	4.465617771	1.043814767
1.926236797	0.868969901	15.07029043	5.601083538	5.617551871	5.584615204	1.00589775
1.288608388	0.302518044	5.262674524	5.947059842	6.013574842	5.880544842	1.022622053
2.622099819	1.277055579	18.2542262	7.27412349	7.34968849	7.19855849	1.020994481
2.140028136	1.519806042	21.12369195	6.795686196	6.858643696	6.732728696	1.018701927
1.811782922	0.882031466	13.32313261	6.241833055	6.248826388	6.234839721	1.002243308
1.201377516	0.22789347	4.182071464	5.563292737	5.573890237	5.552695237	1.003817065
5.764170235	1.90574421	31.49302693	6.029126754	6.285646754	5.772606754	1.088874926
1.529549639	0.670303702	9.487934854	6.80519821	6.91115821	6.69923821	1.031633447
1.956087105	0.649938107	13.49397097	4.663755566	4.744215566	4.583295566	1.035110107
1.454159155	0.508355515	7.499735927	6.723071104	6.778303604	6.667838604	1.016566838
1.510432421	0.564055893	9.786326356	5.58070378	5.69224378	5.46916378	1.040788685
1.30340384	0.276538213	6.022208563	4.600194998	4.621871248	4.578518748	1.009468674
1.32375512	0.452013358	6.879028837	6.322334896	6.361924896	6.282744896	1.012602772
1.827482485	0.770030535	12.22248528	6.500011968	6.644676968	6.355346968	1.045525445
1.116604898	0.133019425	3.262727526	4.049946671	4.232924171	3.866969171	1.094636131
2.01697901	1.14053053	17.71685844	6.243427313	6.253402313	6.233452313	1.003200474
1.198520251	0.178317523	3.620957175	5.046222475	5.046907475	5.045537475	1.000271527
1.766677999	0.572827379	12.01120457	4.731915088	4.738650088	4.725180088	1.002850685
1.327846467	0.267381261	5.864617297	4.512199843	4.598229843	4.426169843	1.038873339
1.386669728	0.408083857	7.705646437	5.55630914	5.77089414	5.34172414	1.080342973
1.297497795	0.288321016	6.028432802	5.304510888	5.492645888	5.116375888	1.07354229
2.951149037	1.205554537	25.10503419	4.900033143	4.92541981	4.874646477	1.010415798
1.517047936	0.697288615	8.900774686	7.780559166	8.062264166	7.498854166	1.075132812
1.502430791	0.920166245	10.05058971	8.508608589	8.677163589	8.340053589	1.040420604
2.360325627	1.31864909	28.3105065	4.371615411	4.398085411	4.345145411	1.012183712
1.733987858	1.148308657	13.96597129	8.37154665	8.39808665	8.34500665	1.00636069
2.691392821	1.218999381	18.0784313	7.217567341	7.525522341	6.909612341	1.089138141

1.356026179	0.639767939	6.238044665	9.32532549	9.39878049	9.25187049	1.015878951
1.773243606	0.885822599	13.79506227	6.660130745	6.930040745	6.390220745	1.084475955
3.098933006	1.365349922	20.55587853	6.622682888	7.073662888	6.171702888	1.14614443
1.808526372	0.718090338	12.12429979	6.519788315	6.532460815	6.507115815	1.003894967
1.631100919	0.640605688	9.957891683	6.270271796	6.309189296	6.231354296	1.012490864
3.196211251	1.681847439	26.91981485	5.556445205	5.684170205	5.428720205	1.047055289
2.273250693	1.154491381	23.57978145	4.80663916	4.86284916	4.75042916	1.02366523
1.366609244	0.288091165	5.097984763	5.498254741	5.531360991	5.465148491	1.012115407
1.377980884	0.422724563	6.146741392	6.676329672	6.934934672	6.417724672	1.080590868
1.780207696	0.832888067	12.76880441	6.455744626	6.743794626	6.167694626	1.093406051
1.446673818	0.568999897	8.971337372	6.105579609	6.180554609	6.030604609	1.024864837
1.279630767	0.260760322	5.081082034	4.989314146	5.203014146	4.775614146	1.089496343
1.238757266	0.261867106	4.277685728	6.348961235	6.369906235	6.328016235	1.006619768
2.145057454	1.240200781	18.56890369	6.686719245	6.689234245	6.684204245	1.00075252
1.289940932	0.25175699	5.889717902	4.130609503	4.191589503	4.069629503	1.02996833
1.44616842	0.253993073	7.147111075	3.531550419	3.587760419	3.475340419	1.03234791
1.479143649	0.397734287	7.395966122	5.317691641	5.375226641	5.260156641	1.021875774
1.327063007	0.495088397	6.413948025	7.864439699	7.972148032	7.756731366	1.027771578
1.718604188	0.820201437	10.04217723	8.223687316	8.369554816	8.077819816	1.036115562
1.586625624	0.866699877	10.84367944	8.11896827	8.16973327	8.06820327	1.012583967
1.168645355	0.202013221	3.639278025	5.663894469	5.737014469	5.590774469	1.026157378
1.959493262	0.773446501	12.44852801	5.864494217	6.044664217	5.684324217	1.06339188
1.764155997	0.823543998	11.10212643	7.618480247	7.736865247	7.500095247	1.031568932
1.448447547	0.398288578	6.593119433	6.005217532	6.112267532	5.898167532	1.03629941
1.640736365	0.619884237	12.42890592	4.929036088	4.974366088	4.883706088	1.018563771
1.291755398	0.366810136	6.226862231	6.073232678	6.170536011	5.975929344	1.032565088
1.263392297	0.367688224	4.77811655	7.889246404	7.988896404	7.789596404	1.025585408
1.535352108	0.499138412	8.455094453	5.96877112	5.98704362	5.95049862	1.006141502
1.6704242	0.699140106	8.862472046	7.962105649	8.111975649	7.812235649	1.038368018
1.3220906	0.397314282	5.659369051	6.862344938	7.074879938	6.649809938	1.063922128
1.28837872	0.378496625	4.365126127	8.733367844	8.842632844	8.624102844	1.025339447
1.39799247	0.507342481	5.985087627	8.547599192	8.616454192	8.478744192	1.016241792
1.547897433	0.740839301	8.439296996	8.827807402	9.048742402	8.606872402	1.051339207
1.513577823	0.610854036	7.046290454	8.591711256	8.596691256	8.586731256	1.001159929
1.587251514	0.686054955	8.684825596	8.056279463	8.302969463	7.809589463	1.063176176
1.34967319	0.548307651	6.759806603	8.151909002	8.243104002	8.060714002	1.022627028
1.57709265	0.527205797	11.12059927	5.130298932	5.425053932	4.835543932	1.121911828
1.392033253	0.210509	5.529033613	4.323100644	4.334683144	4.311518144	1.005372817
1.445310998	0.589456957	8.116843642	7.556541988	7.674434488	7.438649488	1.031697286
3.361357307	2.329162103	37.28153222	7.541475556	7.722795556	7.360155556	1.049270698
1.68838646	0.959599659	12.37989888	7.912694244	8.033394244	7.791994244	1.030980516
2.11703768	1.037524114	21.01041532	4.630831289	4.759561289	4.502101289	1.05718663
1.222326113	0.297776291	5.307354389	5.763152035	5.860402035	5.665902035	1.034328161
1.291045791	0.274915403	6.125471588	4.438994194	4.559761694	4.318226694	1.05593384
1.211009738	0.170810232	4.091698724	4.018600915	4.018600915	4.018600915	1
1.357092997	0.174831127	4.372324918	4.018169872	4.140024872	3.896314872	1.062548846
1.212125701	0.121193653	2.928497897	4.085671424	4.169996424	4.001346424	1.042148313

1.502031087	0.413046202	7.989580998	5.008098441	5.016485107	4.999711774	1.00335486
1.399531288	0.410285019	7.09593264	5.58695091	5.604909243	5.568992577	1.006449401
3.822619291	1.526363515	27.02369864	5.162311951	5.379596951	4.945026951	1.087880209
1.230539356	0.302945089	4.398522391	7.0776432	7.2048707	6.9504157	1.03661004
1.225775332	0.109636111	3.07225232	3.597899358	3.639889358	3.555909358	1.023617025
1.602165887	0.703835474	11.3889298	6.117514166	6.128924166	6.106104166	1.003737244
2.70291773	1.085355683	24.69112867	4.649389922	4.852219922	4.446559922	1.091230076
1.462799497	0.426239619	9.726463615	4.652080181	4.688815181	4.615345181	1.015918636
2.787087773	1.328533769	15.26219552	8.771102985	8.866887985	8.675317985	1.022082188
1.529436283	0.703453845	8.589845105	7.364519403	7.457581903	7.271456903	1.025596659
1.435313397	0.456633293	6.409097459	7.277534594	7.319494594	7.235574594	1.01159825
3.071467007	1.476319976	19.67128566	8.016318376	8.153953376	7.878683376	1.034938579
1.621386652	0.597705817	9.281861126	6.639525618	6.763980618	6.515070618	1.038205265
1.775070611	0.765340059	10.55303373	7.542853409	7.791485909	7.294220909	1.068172462
1.282731002	0.259657626	4.767449615	5.571589294	5.643079294	5.500099294	1.025995894
1.455318174	0.710083406	8.290173509	8.593658818	8.713583818	8.473733818	1.028305114
1.311556255	0.507766428	5.872223737	8.572619595	8.861554595	8.283684595	1.06976002
1.174328708	0.346814417	3.666528816	9.50775046	9.60198546	9.41351546	1.020021213
2.170766807	0.781072098	16.06274923	5.163182425	5.869252425	4.457112425	1.316828445
1.418492067	0.569509355	8.497388026	6.640123012	6.728944679	6.551301346	1.027115732
1.195247275	0.107177361	3.275305557	3.362727915	3.392960415	3.332495415	1.018144061
1.605922328	0.523022031	9.285047203	5.677395604	5.694440604	5.660350604	1.006022595
1.55583712	0.658674076	8.754341754	7.698434816	7.758086483	7.63878315	1.015618107
1.487201888	0.563355845	7.412099311	7.789168502	7.829883502	7.748453502	1.010509194
1.502488779	0.607725488	9.131326608	7.057471869	7.205949369	6.908994369	1.04298093
1.392893293	0.53742007	7.341180381	7.459504017	7.468219017	7.450789017	1.00233935
1.277640502	0.393852527	5.156003629	7.757974392	7.849564392	7.666384392	1.023893923
1.91596171	0.816011576	10.22330172	8.171478662	8.287278662	8.055678662	1.028749905
1.375478	0.362175906	6.478781015	6.128646403	6.435337403	5.821955403	1.105356698
1.356591798	0.466389098	6.815985736	6.930889398	6.987209398	6.874569398	1.016385026
1.997055684	0.67716861	13.77145092	5.240003507	5.328983507	5.151023507	1.034548474
1.371847241	0.396178054	6.344120271	6.02442145	6.029919783	6.018923117	1.001827016
1.353138486	0.416163968	5.651685755	7.604476584	7.81849325	7.390459917	1.057917009
1.366717011	0.426269396	6.288803385	6.810217145	6.875427145	6.745007145	1.019335784
1.195608532	0.249670518	3.816394164	6.900856663	6.969799163	6.831914163	1.020182484
1.529818153	0.555283198	8.531601585	6.552720302	6.711553635	6.393886968	1.049682872
1.442605791	0.620736439	8.116300281	7.739314587	7.802009587	7.676619587	1.016334012
1.305045586	0.47162096	5.977372554	8.071057245	8.251918912	7.890195579	1.04584466
1.579578027	0.72225673	9.259201372	7.878107313	7.905387313	7.850827313	1.006949586
1.333475908	0.488587121	6.078896475	8.441398208	8.467665708	8.415130708	1.006242921
1.167729746	0.216291027	3.771689635	5.707196456	5.721489456	5.692903456	1.005021339
1.804814344	0.668693206	11.25213292	6.001043743	6.037026243	5.965061243	1.012064419
1.322956572	0.352557642	6.269580363	5.62884631	5.64180881	5.61588381	1.00461637
1.374521773	0.549381462	6.813287592	8.266585339	8.324920339	8.208250339	1.014213748
1.667807665	0.416541044	10.09634306	4.404483803	4.455768803	4.353198803	1.023561984
1.954587267	0.817814402	12.27687441	6.934150609	7.041030609	6.827270609	1.03130973
1.182607282	0.255326204	4.034814469	6.366724225	6.452864225	6.280584225	1.027430569

1.648478943	0.613884731	9.900003307	6.464042822	6.632635322	6.295450322	1.053560108
1.561164202	0.451934451	7.278010029	6.3312904	6.4090979	6.2534829	1.024884533
1.721723433	0.717882844	11.67159203	5.939874376	5.964379376	5.915369376	1.008285197
1.716048914	0.969185151	12.15857636	7.384251243	7.546823743	7.221678743	1.045023465
1.30158075	0.239731712	5.397394303	4.429925311	4.522065311	4.337785311	1.042482508
1.840362358	0.866154154	13.69677984	5.960177744	6.075267744	5.845087744	1.039380076
1.625625148	0.628785752	12.1404942	5.108356392	5.118511392	5.098201392	1.003983758
1.558181646	0.444685712	8.123003236	5.452864415	5.460911915	5.444816915	1.002956022
1.662513517	0.580653534	10.54051693	5.451140732	5.515690732	5.386590732	1.023966922
2.172182436	0.79577197	13.72767769	5.709502056	5.813812056	5.605192056	1.037219064
1.533777948	0.552963946	9.072686982	6.129247547	6.215347547	6.043147547	1.028495084
2.077949159	0.975719588	14.92524017	7.432590965	7.517478465	7.347703465	1.023105859
1.449757625	0.446911618	10.02285458	4.425527198	4.466977198	4.384077198	1.018909339
4.691866982	1.72640782	26.51853618	7.361065874	7.606905874	7.115225874	1.069102515
1.275605295	0.458911768	5.847121793	8.033695352	8.043030352	8.024360352	1.002326665
1.881008441	0.780824793	9.126691796	8.972771638	9.219889971	8.725653304	1.056641795
1.39590065	0.336543386	6.054734628	5.667822298	5.847457298	5.488187298	1.065462416
1.238531276	0.381218904	5.121676016	7.454946067	7.5415494	7.368342733	1.023506869
3.213211846	1.381361594	24.87369455	6.709257195	6.856807195	6.561707195	1.044973052
1.535276757	0.440913197	8.725918888	5.164258263	5.284014513	5.044502013	1.04747991
1.720084984	0.671986096	13.14195413	4.904476685	4.934921685	4.874031685	1.012492738
3.037336153	1.141140368	15.87892453	6.850237072	6.935007072	6.765467072	1.025059615
1.248929967	0.276137315	5.844386022	4.776778401	4.828973401	4.724583401	1.02209507
1.218573511	0.304771893	6.67229367	4.575059495	4.789124495	4.360994495	1.098172561
1.435087231	0.389539825	6.2556896	6.038126607	6.198849107	5.877404107	1.054691662
1.597551788	0.704037575	9.747289411	7.124087729	7.202046062	7.046129395	1.022127988
2.216550698	0.912336349	14.26405653	6.437835876	6.593315876	6.282355876	1.049497355
1.36651822	0.510953564	7.620711465	6.68974266	6.697524326	6.681960993	1.002329157
1.447120419	0.43763863	8.270758882	5.544737576	5.592982576	5.496492576	1.017554831
1.968713606	0.844717881	12.62090564	6.468905476	6.536502976	6.401307976	1.021119902
1.703832219	0.820877535	10.36756237	8.076111259	8.258871259	7.893351259	1.046307327
2.40311714	0.987050879	14.33852746	6.916932131	7.030557131	6.803307131	1.033402872
1.847027344	0.64978806	13.1080025	5.125354576	5.187977076	5.062732076	1.024738619
1.60934791	0.413682426	10.22847572	4.115649307	4.321899307	3.909399307	1.105514931
1.416570862	0.396195732	6.071923071	6.456322611	6.487772611	6.424872611	1.009790077
1.22978229	0.199018046	4.526321552	4.43324717	4.45793967	4.40855467	1.011202084
1.257377342	0.365745105	5.527596589	6.518186315	6.911741315	6.124631315	1.128515491
1.390182284	0.436949271	7.368492225	6.039619419	6.169431919	5.909806919	1.043931215
1.451423214	0.445073597	7.457653039	6.054725786	6.068180786	6.041270786	1.004454361
1.217933626	0.203766655	4.105078721	5.068002536	5.200917536	4.935087536	1.053865306
1.35366368	0.443217423	6.215097347	7.215093177	7.358375677	7.071810677	1.040522154
1.387691971	0.403333071	7.410407377	5.993541404	6.016261404	5.970821404	1.007610343
2.311408667	1.094374265	15.5506971	7.438183451	7.495038451	7.381328451	1.015405086
1.392770082	0.510190934	6.579518224	7.921322936	8.056922936	7.785722936	1.034832989
1.248623514	0.237840532	4.581765312	5.160317622	5.216873456	5.103761789	1.022162411
1.749032228	0.536981037	11.41700582	4.542722556	4.583700056	4.501745056	1.018205162
1.301310126	0.280834922	5.43550853	5.047315783	5.057360783	5.037270783	1.003988271

1.460182755	0.489682535	6.676668903	7.342932276	7.484807276	7.201057276	1.039403936
1.674260397	0.905147051	12.60574497	7.298095875	7.365775875	7.230415875	1.018720915
1.521810182	0.69452319	8.725890781	8.107730526	8.304090526	7.911370526	1.049639945
2.4231319	1.193253086	18.1827546	6.056278676	6.220893676	5.891663676	1.055880651
1.640532677	0.608124364	10.86323702	5.258320103	5.265232603	5.251407603	1.002632627
1.49997755	0.280748629	6.731184609	4.155872878	4.227517878	4.084227878	1.035083743
1.189228378	0.177194588	4.251410546	4.043307367	4.116501117	3.970113617	1.03687237
1.160434701	0.157532078	3.563061664	4.363425683	4.463390683	4.263460683	1.04689383
1.379498752	0.27200161	7.073495921	3.907529721	3.939649721	3.875409721	1.016576312
1.555169849	0.742341498	8.815905767	7.984044666	8.082704666	7.885384666	1.02502351
1.395534209	0.334883175	7.365764896	4.674453269	4.986898269	4.362008269	1.143257408
2.824314845	1.754566912	21.18022996	8.120078155	8.368188155	7.871968155	1.063036332
2.132398023	1.016316073	19.5870063	5.728796817	5.757671817	5.699921817	1.010131718
1.706815913	0.78683639	13.34102769	5.63323136	5.72741136	5.53905136	1.034005823
2.203153098	0.864968704	12.19308623	7.508285972	7.545183472	7.471388472	1.009877013
1.733281552	0.789858639	10.58754856	6.695245161	6.713050161	6.677440161	1.005332882
1.499295734	0.701758362	9.681559391	7.122396314	7.149801314	7.094991314	1.007725168
1.329647308	0.478456453	6.667256439	7.606566016	7.617796016	7.595336016	1.002957078
3.566213192	1.253235769	17.02699675	6.635489181	6.653704181	6.617274181	1.005505288
1.838344102	0.632462024	11.0473418	6.044193004	6.160298004	5.928088004	1.039171146
1.555079508	0.846914103	9.492218594	9.148110476	9.259000476	9.037220476	1.024540731
2.007001207	0.841345406	16.96288846	4.685244659	4.703749659	4.666739659	1.00793059
2.408105881	1.334605026	24.56806434	5.363639965	5.444509965	5.282769965	1.030616514
1.819831325	0.724205744	13.60468992	4.766598229	4.979038229	4.554158229	1.093294958
5.879874511	1.611287443	23.86089302	6.107306416	6.163581416	6.051031416	1.018600135
1.189363554	0.171006547	3.71299887	4.569405528	4.590105528	4.548705528	1.00910149
1.375455033	0.392839635	9.342019455	4.097855538	4.129800538	4.065910538	1.015713577
1.388457517	0.718699511	6.858211362	10.64397142	10.69590892	10.59203392	1.009806898
1.366037995	0.419547723	8.103831448	5.535900877	5.670815877	5.400985877	1.049959397
1.343419924	0.332822144	5.5903768	5.882095165	5.947050165	5.817140165	1.022332279
1.344799099	0.318339268	5.529067592	5.984166578	5.998741578	5.969591578	1.004883081
1.129065471	0.090564958	2.159659401	4.323941032	4.425322699	4.222559365	1.04801906
1.397028958	0.439236224	7.178361647	6.291504504	6.366484504	6.216524504	1.024122804
1.223439468	0.371876314	4.222012595	8.8626268	8.925763467	8.799490133	1.014350074
1.479115686	0.661060425	8.213727561	8.182612586	8.274150086	8.091075086	1.022626783
1.382793904	0.438237102	6.448402809	6.679960488	6.841275488	6.518645488	1.049493411
1.448229638	0.707479303	7.854158674	9.007749508	9.129154508	8.886344508	1.027323946
1.629097467	0.740574652	9.981612381	7.419490076	7.480105076	7.358875076	1.016473985
1.308630351	0.437112694	5.186146736	8.486485674	8.493449007	8.479522341	1.001642388
1.218341264	0.368703258	3.925940278	9.409928138	9.470928138	9.348928138	1.013049624
1.349888159	0.603755424	6.803403538	9.036601304	9.106006304	8.967196304	1.015479755
1.372741356	0.655853274	7.173724098	9.303448494	9.386518494	9.220378494	1.018018783
1.340048393	0.337742386	4.59487317	7.381105356	7.432265356	7.329945356	1.013959176
1.744679399	1.076075968	13.65283939	6.782233941	6.908048941	6.656418941	1.037802609
2.133586593	1.460393063	19.81465949	6.843921296	6.973701296	6.714141296	1.038658704
1.396422562	0.631358787	7.96234968	8.038488397	8.077158397	7.999818397	1.009667719
1.450049432	0.564757263	7.234060868	8.069602607	8.132737607	8.006467607	1.015771

1.725622754	0.794934566	9.956435399	8.056267963	8.113977963	7.998557963	1.014430101
1.229475099	0.452176648	4.978190049	9.294683291	9.355383291	9.233983291	1.013147089
1.787813277	0.924159308	10.86945372	8.598663524	8.757588524	8.439738524	1.037661119
1.392977626	0.561070186	6.668985481	8.629639943	8.650207443	8.609072443	1.004778099
1.621725498	0.711210489	8.272788095	8.897914639	8.964394639	8.831434639	1.015055312
1.649746627	0.70080215	9.501132649	7.60589535	7.70393035	7.50786035	1.026115297
1.482716363	0.443517737	7.105403509	6.40605131	6.46935131	6.34275131	1.019959792
1.364860911	0.556035151	6.423922497	8.741914003	8.812744003	8.671084003	1.016337058
1.44680141	0.460915187	6.661568595	7.233466622	7.236179122	7.230754122	1.000750268
1.393547903	0.559557535	7.416895475	7.525929923	7.715909923	7.335949923	1.051794247
1.458362241	0.480348166	6.519895691	7.630403122	7.665503122	7.595303122	1.009242554
1.635256758	0.722622807	7.875442937	9.368958881	9.379448881	9.358468881	1.00224182
2.11499178	0.948207885	17.18864898	5.49950587	5.52597837	5.47303337	1.009673794
1.352200869	0.315284566	6.00124983	5.265828033	5.385133033	5.146523033	1.046363341
1.938123133	0.63996646	8.967068529	6.97516394	7.09165394	6.85867394	1.033968665
1.270526304	0.184549259	4.431335599	4.108269291	4.160649291	4.055889291	1.025829107
1.576212965	0.453605742	9.758412933	5.025702889	5.424192889	4.627212889	1.172237591
1.735014976	0.43391885	10.38101882	4.189047744	4.228375744	4.149719744	1.018954533
1.756732998	0.746339682	12.33137571	5.748837877	5.762935377	5.734740377	1.004916526
1.272078865	0.228758132	4.356987643	5.367614116	5.427144116	5.308084116	1.022429938
1.324277025	0.339975596	6.855803392	4.974624065	4.981570731	4.967677398	1.002796746
5.287815204	1.937618579	54.81444066	3.381879468	3.492239468	3.271519468	1.067467121
2.079334096	1.094329747	20.6967937	5.048014607	5.059684607	5.036344607	1.004634314
1.410523673	0.257019622	6.208384062	4.297824691	4.481698024	4.113951357	1.089390135
1.110871709	0.148588307	3.131189951	4.694480078	4.746315078	4.642645078	1.022329943
1.117865701	0.063198091	1.660110463	3.879613171	3.966708171	3.792518171	1.045929905
1.465938027	0.582470326	8.69813242	6.875345407	6.983052907	6.767637907	1.03183016
1.157284954	0.132045311	3.015060824	4.282719282	4.290809282	4.274629282	1.003785124
1.299700737	0.278576249	4.506305376	5.872455615	6.216635615	5.528275615	1.124516223
1.430097086	0.550763806	8.282498886	6.738392766	6.815280266	6.661505266	1.023084122
1.155807089	0.204196497	3.620874507	5.542181717	5.57755505	5.506808383	1.012847127
1.279449804	0.309172201	5.452446077	5.635706798	5.725010131	5.546403464	1.032202249
1.789027985	0.670569208	9.923607511	6.755534443	6.764664443	6.746404443	1.002706627
1.525026098	0.504657131	10.00402399	4.855207045	4.892522045	4.817892045	1.015490177
1.385715154	0.368951559	6.660744039	5.697342255	5.839437255	5.555247255	1.051157039
1.341437993	0.287309412	5.027793813	5.812713488	6.076951488	5.548475488	1.095247064
1.505683581	0.421407631	6.785660784	6.148752912	6.255236245	6.042269578	1.035246138
2.128347726	1.140782172	17.29532066	7.190816842	7.548066842	6.833566842	1.104557403
1.544249994	0.492299411	8.10963564	5.997686853	6.100276853	5.895096853	1.034805196
1.485203463	0.512796292	9.351608234	5.338752762	5.357282762	5.320222762	1.006965874
2.379357788	1.169026752	20.50567785	5.182284541	5.255736208	5.108832874	1.028754774
2.42669989	0.84089299	17.93745605	4.624942529	4.716384196	4.533500862	1.040340421
1.525546377	0.558273089	10.07117501	5.280689088	5.379594088	5.181784088	1.038174111
1.760735109	0.952965487	13.66652635	6.986646703	7.010392953	6.962900453	1.006820793
2.082569988	1.036581062	16.47503824	6.085285681	6.282385681	5.888185681	1.066947617
1.469221153	0.337150665	6.199368632	5.631656677	5.702734177	5.560579177	1.025564783
1.5924473	0.592121152	9.182169534	6.708626956	6.860156956	6.557096956	1.046218624

1.598629627	0.815254463	9.407704777	8.469376251	8.538641251	8.400111251	1.016491448
1.465387401	0.39890723	8.196462152	5.91972389	6.04622389	5.79322389	1.043671711
2.029049774	1.028644893	17.558253	7.74892206	7.970563727	7.527280393	1.058890238
1.349545892	0.42846388	7.393249392	6.409120361	6.462412861	6.355827861	1.016769649
1.744757953	0.688634976	16.31124961	4.109586385	4.142513885	4.076658885	1.01615416
1.581257666	0.481745001	8.13286161	6.203026974	6.216461974	6.189591974	1.004341159
1.370418521	0.161309615	4.417815644	3.780873632	3.788493632	3.773253632	1.004038955
1.46791529	0.692706222	8.296215276	8.467029853	8.679019853	8.255039853	1.05136014
1.22890436	0.317760339	4.477725373	7.314358109	7.340629775	7.288086442	1.007209483
5.541240341	3.120955382	58.31399078	4.536672821	4.616232821	4.457112821	1.035700241
1.19635572	0.257193266	4.732005971	5.570562559	5.573130559	5.567994559	1.000922415
1.275963011	0.279509977	5.711287842	4.928146098	5.040216098	4.816076098	1.046539962
1.82736502	0.829624081	12.41381856	7.227347497	7.353512497	7.101182497	1.035533519
1.216399933	0.20146123	3.571264207	5.788124062	5.835189062	5.741059062	1.01639593
1.457150113	0.635260851	8.600148147	7.578142977	7.614870477	7.541415477	1.009740214
2.039898118	0.829196859	12.34497011	6.934087464	6.948682464	6.919492464	1.004218517
1.41147277	0.363666098	6.252470452	5.66299596	5.76593846	5.56005346	1.03702932
1.581356106	0.517335816	8.347464883	6.387730843	6.528365843	6.247095843	1.045024121
1.763361907	0.657337439	11.48622664	5.730361936	5.768914436	5.691809436	1.013546659
1.363254563	0.50230638	8.181262776	6.276891292	6.277568792	6.276213792	1.000215894
1.520330799	0.743977384	11.80912202	6.278362289	6.468497289	6.088227289	1.062459889
1.452768784	0.573934905	9.968021054	5.575127213	5.711377213	5.438877213	1.050102253
1.520390484	0.478056574	7.476023711	6.499819705	6.677274705	6.322364705	1.056135642
2.207882634	0.935350915	14.76533074	6.118170676	6.169550676	6.066790676	1.016938115
2.899737345	1.773650563	33.58078027	5.068455827	5.078145827	5.058765827	1.003830974
1.25734278	0.194322251	4.234823399	4.562591449	4.599001449	4.526181449	1.016088617
1.284361645	0.39345245	6.383690371	7.076533128	7.117788128	7.035278128	1.011728037
1.406552714	0.565578731	7.36786657	7.965240725	8.111362392	7.819119059	1.037375481
1.441545235	0.48255373	6.299659523	7.783073289	7.941813289	7.624333289	1.041640362
1.432391204	0.555162191	7.040228867	7.995665338	8.005150338	7.986180338	1.002375353
1.993675696	1.054916297	19.39106234	6.179974088	6.428864088	5.931084088	1.083927321
1.181026667	0.15423403	3.75159744	4.326756605	4.384851605	4.268661605	1.027219304
1.283948464	0.394949215	5.676852641	7.150688581	7.435116081	6.866261081	1.082847855
1.583940583	0.627334254	11.54771007	5.31587083	5.31587083	5.31587083	1
2.193870784	1.534010792	19.89719668	7.343274836	7.507953586	7.178596086	1.045880489
1.948331029	0.64303475	9.709136582	6.823373245	6.896213245	6.750533245	1.021580517
1.583579255	0.708585557	9.197753828	7.607448409	7.681098409	7.533798409	1.01955189
1.470818608	0.528763082	8.347119673	6.562861715	6.579264215	6.546459215	1.005011106
1.331481239	0.514655612	6.561606574	7.834395698	7.875035698	7.793755698	1.010428862
2.60240582	1.500385794	22.93994828	6.319852986	6.481552986	6.158152986	1.052515746
1.68933505	0.508997645	9.837077078	5.386102733	5.390442733	5.381762733	1.001612854
1.560031222	0.58540769	9.975276842	6.183672209	6.296922209	6.070422209	1.037312067
1.396537639	0.436494949	6.401269598	6.863625369	7.000445369	6.726805369	1.040679042
1.328263305	0.574929107	6.87552925	8.561661938	8.730031938	8.393291938	1.040120134
1.420180791	0.365557642	8.019821063	4.437905716	4.446090716	4.429720716	1.003695493
1.778106004	0.789147941	13.0794473	6.061370672	6.172213172	5.950528172	1.037254676
1.461178247	0.346833507	7.909677711	4.309352761	4.351295261	4.267410261	1.019657121

1.681313449	0.527226899	8.38204002	6.495763534	6.542928534	6.448598534	1.014627985
1.359330643	0.342407036	6.540052728	5.190959123	5.255289123	5.126629123	1.025096413
1.664894237	0.759736974	10.16808139	7.389238286	7.462328286	7.316148286	1.019980459
1.400526883	0.450727537	5.698614953	7.724037888	7.845392888	7.602682888	1.031924257
1.54436927	0.483327423	6.687733229	7.34433403	7.40167153	7.28699653	1.015736936
1.822471632	0.72277649	10.50366855	7.199768824	7.259261324	7.140276324	1.016663921
1.328112853	0.469163327	5.218590928	9.014316647	9.021204147	9.007429147	1.001529293
1.382475719	0.310156773	5.245047467	5.967711957	6.008601957	5.926821957	1.013798289
1.66373311	0.667678547	10.61442914	6.471259748	6.797309748	6.145209748	1.106115174
1.358551682	0.417823438	6.655607505	5.986063601	6.126593601	5.845533601	1.048081154
1.338926476	0.632051322	7.000413561	9.531452448	9.568542448	9.494362448	1.007813058
1.784685824	0.719843257	10.12598531	7.24878181	7.31927681	7.17828681	1.019641177
1.436250958	0.476798607	7.472623794	6.349430241	6.379717741	6.319142741	1.009585952
1.406008268	0.489076791	7.818888974	5.905441407	5.954606407	5.856276407	1.016790533
1.374260118	0.403243521	7.281586063	5.636433665	5.761982415	5.510884915	1.045563916
1.341242017	0.351201016	7.224721434	4.952142699	4.992432699	4.911852699	1.016405215
1.322245398	0.345117245	6.669999024	4.984037385	5.016175719	4.951899052	1.012980205
1.214949455	0.270490841	3.271089543	8.352411063	8.428476063	8.276346063	1.0183813
2.280300698	1.045829182	19.65038379	5.271425377	5.372557044	5.170293711	1.039120279
2.385172499	1.31478006	18.40730391	7.292364897	7.483714897	7.101014897	1.053893705
2.250488363	1.351905682	16.86928449	7.403109929	7.668449929	7.137769929	1.074348151
1.519004018	0.624067955	7.455705042	8.09186496	8.25174996	7.93197996	1.04031402
1.814062061	0.799581701	12.56811577	6.281845674	6.351530674	6.212160674	1.022435028
2.606550486	1.110206783	17.88335791	6.435159436	6.661884436	6.208434436	1.073037737
1.516957659	0.514724218	8.103075508	6.459983135	6.479098135	6.440868135	1.005935535
1.310276547	0.483872196	6.70171567	7.445769455	7.530614455	7.360924455	1.023052811
1.709952761	0.545343446	8.785895437	6.425264181	6.598659181	6.251869181	1.055469811
1.382944324	0.405513764	6.338015809	6.363956646	6.385631646	6.342281646	1.00683508
1.320059178	0.409129027	4.645091447	8.841438631	8.975608631	8.707268631	1.030817931
1.71914842	0.759154397	9.231569422	7.611027792	7.918387792	7.303667792	1.084165931
1.592725028	0.330831289	7.326905344	4.265794106	4.270944106	4.260644106	1.002417475
1.476810187	0.589082909	7.75791724	7.710518021	7.783273021	7.637763021	1.01905139
1.377233878	0.494877417	7.914529088	6.139656781	6.184089281	6.095224281	1.014579447
2.553587982	1.302984365	20.4026657	7.031491613	7.300371613	6.762611613	1.079519575
1.296879905	0.227758266	4.92562533	4.71639858	4.75416358	4.67863358	1.016143602
1.744694591	0.469492235	10.8318016	4.509155582	4.624870582	4.393440582	1.052676256
1.493353854	0.667937604	8.211434115	7.977806679	8.283346679	7.672266679	1.079647909
1.803890484	0.490104767	10.46923409	5.027053219	5.061573219	4.992533219	1.013828651
1.536517897	0.698725347	10.99710624	6.326408431	6.432543431	6.220273431	1.034125509
1.974876561	0.95011436	13.71034899	6.874914542	7.093853292	6.655975792	1.065787123
1.916226308	0.884375032	14.47344705	6.1318542	6.1572567	6.1064517	1.008319889
1.254660805	0.183530378	4.102530214	4.416496141	4.509021141	4.323971141	1.042796308
1.188395083	0.135111645	3.261352812	4.092480366	4.121475366	4.063485366	1.014271
1.421864195	0.463082951	6.758398915	6.90414313	7.00576313	6.80252313	1.029877149
1.542918041	0.61185603	10.35931283	5.807661603	5.896531603	5.718791603	1.031079992
2.259004383	0.729819071	17.53836001	4.275260254	4.309300254	4.241220254	1.016051984
1.943744618	0.817557925	12.29018176	6.785729223	6.828966723	6.742491723	1.012825377

1.538251527	0.646407129	8.566907709	7.773278356	7.855963356	7.690593356	1.021502892
1.192461376	0.199279113	3.315143825	5.813033385	5.884210052	5.741856719	1.024792213
1.637656014	0.485932069	10.10221322	6.123822181	6.139005515	6.108638848	1.004971102
2.051793644	0.808377205	11.83333321	7.229556915	7.495561915	6.963551915	1.076399229
1.478159582	0.402598712	6.477886119	6.277029592	6.313589592	6.240469592	1.011717067
1.889952027	0.670428552	10.27304509	6.397291192	6.456663692	6.337918692	1.018735646
1.636321126	0.517670951	9.906719043	5.380047546	5.399562546	5.360532546	1.007280993
1.729501569	0.86134433	12.73262854	6.514631763	6.628396763	6.400866763	1.035546748
1.750096574	0.771616063	11.64494091	6.587719895	6.734474895	6.440964895	1.045569259
1.573102004	0.571084942	8.64042194	6.592192364	6.773702364	6.410682364	1.056627357
1.28907719	0.36389634	5.034395825	7.31738057	7.38080057	7.25396057	1.01748562
1.456538317	0.4034976	6.744468979	5.924908451	6.131408451	5.718408451	1.072222893
1.358548051	0.390194748	7.21541003	5.601568615	5.663048615	5.540088615	1.022194591
1.666434268	0.512206913	10.49215652	4.928416447	5.034516447	4.822316447	1.044003748
1.434397523	0.52969909	7.376124082	7.309824935	7.356339935	7.263309935	1.01280821
1.894420333	0.646333345	12.93867012	5.115211126	5.181521126	5.048901126	1.026267102
1.149324085	0.171029254	3.98466088	4.27654006	4.31836006	4.23472006	1.01975101
2.173788462	1.346267766	17.72783045	9.028839964	9.050244964	9.007434964	1.00475274
1.231266972	0.260895635	4.544070113	5.567684907	5.757279907	5.378089907	1.070506445
1.477545583	0.473798555	8.732946117	5.455408281	5.460713281	5.450103281	1.001946752
1.131976709	0.086061584	2.28548176	4.110297329	4.140872329	4.079722329	1.014988765
1.90519952	0.643885267	10.44955915	6.095578495	6.120915162	6.070241829	1.008347828
1.165985536	0.161749087	3.291762951	5.142720216	5.247472716	5.037967716	1.041585221
2.638348331	0.849993782	24.27968014	3.373515496	3.404590496	3.342440496	1.018594198
2.035347319	0.87756155	13.44813232	6.434986917	6.584561917	6.285411917	1.047594335
1.095832668	0.069731811	1.76574187	4.04462567	4.06508067	4.02417067	1.01016607
1.324224759	0.282489185	6.038032602	4.724185335	4.762705335	4.685665335	1.016441635
1.52564381	0.493533958	11.89744749	4.024670224	4.053665224	3.995675224	1.014513192
1.251729295	0.128028716	3.478257197	3.677022783	3.711622783	3.642422783	1.018998344
1.383975809	0.516261948	6.309159679	8.266597233	8.343024733	8.190169733	1.018663227
1.809778907	0.796436359	12.88511938	6.213402169	6.258087169	6.168717169	1.014487615
1.17446346	0.133195685	3.070872225	4.427971521	4.507686521	4.348256521	1.03666527
2.191670071	0.805670417	12.21231112	6.571871749	6.577691749	6.566051749	1.001772755
2.507932192	1.31453246	29.53885168	4.02694804	4.20261804	3.85127804	1.091226859
1.234114639	0.31967238	4.811293477	6.653173675	6.798041175	6.508306175	1.044517727
1.87614716	0.564740411	12.00061228	4.607812477	4.648837477	4.566787477	1.017966678
2.508767382	1.329284049	20.5386208	6.162481655	6.217691655	6.107271655	1.018080087
2.013088433	1.207302439	18.00470499	6.270531509	6.462441509	6.078621509	1.063142606
1.448319496	0.42570068	7.419859228	5.750168853	5.781958853	5.718378853	1.011118536
1.984719337	0.924485554	11.38575018	8.497501283	8.618614617	8.37638795	1.028917795
1.283803136	0.440327542	5.480386764	8.517674882	8.750754882	8.284594882	1.056268292
1.44766762	0.427067869	7.802957701	5.597664455	5.728094455	5.467234455	1.047713337
1.15280305	0.230486123	3.454441493	6.770222246	6.940712246	6.599732246	1.051665732
2.115581843	1.001931914	12.54687809	8.086498024	8.104948024	8.068048024	1.004573597
1.197419911	0.326648259	4.547729689	7.179686462	7.326066462	7.033306462	1.041624804
3.391647708	1.429629085	21.01815862	6.319749479	6.348464479	6.291034479	1.009128864
1.30982662	0.33146273	5.283134146	6.131661835	6.370271835	5.893051835	1.080980112

1.231274704	0.223112206	4.274793846	5.357614374	5.374669374	5.340559374	1.006386971
1.31848633	0.188303988	4.737520497	3.98765742	4.05923742	3.91607742	1.036556989
1.633695041	0.701368517	11.72920908	6.155571667	6.193971667	6.117171667	1.012554822
1.178770477	0.148281213	3.859035251	3.824838999	3.849283999	3.800393999	1.012864456
1.537991461	0.557306718	10.26880795	5.461751326	5.582761326	5.340741326	1.045315806
1.699828877	0.677393904	11.58818315	5.907338884	6.078218884	5.736458884	1.059576824
1.257012189	0.357563595	5.068336966	7.233898084	7.262108084	7.205688084	1.007829925
1.43736969	0.493571198	6.240419861	7.984068916	8.007928916	7.960208916	1.005994818
1.524401564	0.773601915	9.558080025	8.026187008	8.199812008	7.852562008	1.044221236
1.361299544	0.279194427	6.438231975	4.307530765	4.350080765	4.264980765	1.019953197
1.306489173	0.482312938	4.949628499	9.630627235	9.689113902	9.572140569	1.012220185
1.245106752	0.42316362	3.809600203	11.05617919	11.08074919	11.03160919	1.004454473
1.305199819	0.527942568	5.632309704	9.43445036	9.481662026	9.387238693	1.010058691
1.244478467	0.408269862	4.76547725	8.32948799	8.36790799	8.29106799	1.009267805
1.149246716	0.366448934	3.16135808	11.57458146	11.64301646	11.50614646	1.011895381
1.195738962	0.255520786	3.807072995	6.706138661	6.795043661	6.617233661	1.026870745
1.146341009	0.359337564	3.034253237	11.70639235	11.73983235	11.67295235	1.005729485
1.160956041	0.405289814	3.478053646	11.65607738	11.68456238	11.62759238	1.004899553
1.461945542	0.685346746	7.372843163	9.272175157	9.28336349	9.260986823	1.002416229
1.227046235	0.447267566	4.026822869	11.13076547	11.19877047	11.06276047	1.0122944
1.309914814	0.648358403	6.386132697	10.27956846	10.32876846	10.23036846	1.009618422
1.277970373	0.545996031	5.948873155	8.938983639	8.997671972	8.880295306	1.013217654
1.198634048	0.496759529	4.496805551	10.9242885	11.0077625	10.8408145	1.01539995
1.278523049	0.408940109	6.047065685	6.70671552	6.88671052	6.52672052	1.055156338
1.568344728	0.654235574	11.3612333	5.521673205	5.544148205	5.499198205	1.008173919
1.646947459	0.85572257	9.543239199	9.174307855	9.223572855	9.125042855	1.010797758
1.303732865	0.49406868	5.05454249	9.954936212	10.00460955	9.905262879	1.010029685
1.162517027	0.392316169	3.440044742	11.49223124	11.53542624	11.44903624	1.007545613
1.07881784	0.207207317	1.789315902	11.54305838	11.57495088	11.51116588	1.005541142
3.315549425	3.33133988	46.61550231	6.736166791	7.411146791	6.061186791	1.222722059
1.276066662	0.56285601	5.153992498	10.78470649	10.90628149	10.66313149	1.02280287
1.459550246	0.629118099	8.947331521	6.967953773	7.068513773	6.867393773	1.029286219
1.559183312	0.636767385	9.096371871	6.996366083	7.014803583	6.977928583	1.00528452
1.960246301	0.789360141	10.48059171	8.037747075	8.045002075	8.030492075	1.001806863
1.232277733	0.284696445	4.376993168	6.330404995	6.474879995	6.185929995	1.046710842
1.50421925	0.567152689	9.177030815	6.37065793	6.43882293	6.30249293	1.021631123
1.247946231	0.501077212	4.692934715	10.60587129	10.61038129	10.60136129	1.000850834
1.184000881	0.316085278	3.354367416	9.390701368	9.483531368	9.297871368	1.019968011
1.256832414	0.346759269	4.099639915	8.39924607	8.40329107	8.39520107	1.000963646
1.172346047	0.356421214	3.442055236	10.15569425	10.24862425	10.06276425	1.018470074
1.24346471	0.462486431	4.691043877	9.629254797	9.732967297	9.525542297	1.021775663
1.367125751	0.547761571	5.628001759	9.814837163	9.826187163	9.803487163	1.002315503
1.246737262	0.458554459	4.134650225	11.13080562	11.13730562	11.12430562	1.001168612
1.365206651	0.561469406	5.987401441	9.526527286	9.560212286	9.492842286	1.007096926
1.793326297	1.025074588	18.94165671	5.149248695	5.168178695	5.130318695	1.007379659
1.93133516	0.862846876	11.31176502	7.005093282	7.273573282	6.736613282	1.079707707
1.500809488	0.526016676	7.844191238	6.735817646	6.828775146	6.642860146	1.027987192

1.359573529	0.399736103	7.16852987	5.658558929	5.661797262	5.655320596	1.001145234
1.488543876	0.542941929	7.626435173	7.141476167	7.239266167	7.043686167	1.027766711
3.298913648	1.924696708	29.5448681	5.929191723	5.938206723	5.920176723	1.003045517
1.13995482	0.108349743	2.680146962	4.103044821	4.115574821	4.090514821	1.006126368
1.316925828	0.381025922	5.843616338	6.265690158	6.410730158	6.120650158	1.047393658
1.181096642	0.206648993	3.424511793	5.933277581	5.940095081	5.926460081	1.002300699
2.368525146	0.889345818	16.53070178	5.67719749	5.70736999	5.64702499	1.010686158
1.558408863	0.580018	8.220591184	6.755530411	6.987367911	6.523692911	1.071075541
1.397769178	0.402816307	6.854783737	5.990920542	5.996603875	5.985237209	1.001899117
3.122813587	1.590128122	30.4561941	5.670865633	5.771160633	5.570570633	1.036008878
1.728999244	0.710936186	9.289912966	7.346432826	7.451896159	7.240969493	1.029129617
2.199685684	0.943420199	19.70339302	4.693745438	4.700277938	4.687212938	1.002787371
1.285126663	0.156070759	3.961781396	3.999244408	4.006809408	3.991679408	1.003790385
2.289481197	1.351597504	17.24278376	6.373824974	6.387839974	6.359809974	1.004407364
1.837204182	0.759959072	10.87999702	6.991980744	7.052243244	6.931718244	1.017387464
2.559121297	1.692503472	23.56853578	6.536719788	6.538939788	6.534499788	1.000679471
1.091250599	0.098685319	2.03777429	4.698520988	4.702755988	4.694285988	1.001804321
1.264553948	0.155748911	3.896352023	3.901232249	3.941207249	3.861257249	1.020705691
1.729515258	0.747422197	12.61194514	5.733700779	5.736390779	5.731010779	1.000938752
1.675655758	0.739389603	11.13841269	6.221179695	6.345144695	6.097214695	1.040662829
1.726752879	1.181393166	14.51711885	7.462305767	7.518375767	7.406235767	1.015141295
1.47143191	1.015686054	10.73527657	8.879224225	8.889369225	8.869079225	1.002287723
1.183696483	0.177334874	3.970278339	4.377716892	4.425176892	4.330256892	1.021920178
1.331298293	0.506736749	6.42829369	7.724379127	7.748006627	7.700751627	1.006136414
1.278060169	0.200653235	4.340745801	4.622817805	4.834042805	4.411592805	1.095759065
1.485140464	0.578844453	7.084380869	8.339547457	8.391067457	8.288027457	1.012432391
1.194054677	0.161638062	3.580579422	4.455873682	4.493433682	4.418313682	1.017001962
2.130893438	0.822752073	19.89872351	3.996056588	4.093819088	3.898294088	1.050156555
2.669166277	1.04507196	15.46947188	7.462945797	7.646150797	7.279740797	1.050332836
1.548786594	0.504002434	9.887300536	5.227554921	5.463804921	4.991304921	1.094664623
1.625568928	0.847942365	10.47201167	8.073819391	8.248944391	7.898694391	1.044342771
1.233629187	0.370694317	4.503241445	8.565403131	8.581053131	8.549753131	1.003660924
1.282753981	0.523714532	4.976855894	10.26417753	10.29916587	10.2291892	1.006840881
2.512838194	1.203976293	18.94411504	6.676478463	7.003813463	6.349143463	1.103111546
1.414441537	0.465747131	7.927499952	6.041776856	6.137183856	5.946369856	1.032089158
1.327375827	0.493347291	6.213450101	8.202329298	8.281854298	8.122804298	1.019580676
1.440154525	0.493714431	7.352753947	6.676823986	6.853441486	6.500206486	1.05434212
1.443482277	0.524924601	8.621919541	6.227123991	6.404023991	6.050223991	1.058477174
1.503282359	0.587020268	7.78804976	7.708648309	7.911988309	7.505308309	1.054185649
1.485946588	0.585182697	9.867986037	5.927244004	5.933534004	5.920954004	1.002124658
1.188879968	0.10812625	2.943874532	3.703232883	3.707257883	3.699207883	1.002176142
1.804087666	0.836899835	14.80454783	5.661972699	5.936083949	5.387861449	1.10175141
2.009086032	0.99640487	16.35706304	6.334008257	6.383918257	6.284098257	1.015884538
1.315295987	0.224169738	4.981126893	4.460224246	4.474679246	4.445769246	1.006502812
1.462343636	0.359322156	7.636400505	4.634012229	4.703047229	4.564977229	1.030245496
1.717918708	0.416470668	10.3234981	5.027004798	5.088924798	4.965084798	1.024942172
1.679758935	0.847060157	12.22125586	6.652873796	6.80374713	6.502000463	1.046408281

2.380640413	0.931703006	17.13885873	5.206773934	5.285803934	5.127743934	1.030824472
1.138409435	0.172800745	3.415521057	5.233344486	5.299074486	5.167614486	1.025439204
1.434094632	0.729125286	8.643696104	8.531529642	8.586957142	8.476102142	1.013078535
2.240088686	0.692210728	16.43606903	4.079570844	4.079570844	4.079570844	1
2.069719637	1.325042169	17.35462483	7.539982704	7.720407704	7.359557704	1.049031479
2.35264112	1.286729958	18.98892299	6.430215084	6.581765084	6.278665084	1.048274593
1.42232278	0.359488351	8.120588157	4.43086368	4.45960368	4.40212368	1.013057334
1.519415589	0.402466641	8.735243641	4.568530657	4.587235657	4.549825657	1.008222293
1.855449002	0.566400205	10.72754115	5.297220668	5.368615668	5.225825668	1.027323912
1.218572911	0.172011823	3.975464181	4.346646251	4.348096251	4.345196251	1.000667404
2.357921012	1.680299454	25.06591705	6.286399457	6.345326957	6.227471957	1.018925015
2.979187661	1.857772232	29.81662134	5.810132733	6.072362733	5.547902733	1.09453302
2.209554913	0.761933435	16.15132712	4.635589234	4.725534234	4.545644234	1.039574149
1.395850585	0.199853494	4.904012884	4.082988698	4.105796198	4.060181198	1.01123472
1.263206073	0.176069565	3.975811056	4.352432881	4.364937881	4.339927881	1.005762769
1.788967692	0.256578158	6.777386687	3.979510013	4.148575013	3.810445013	1.088737667
1.620597534	0.533954839	12.11517456	4.318718485	4.352960985	4.284475985	1.015984452
1.368768727	0.440901347	6.724741421	6.537796662	6.697869162	6.377724162	1.050197373
3.58383654	1.636358029	21.84943287	7.545044092	7.562541592	7.527546592	1.004648925
2.712670633	1.511269849	17.46955493	8.92406543	9.10565543	8.74247543	1.04154201
1.612835642	0.898227462	9.607421136	9.258031616	9.271646616	9.244416616	1.002945562
1.387030684	0.627651151	6.491636681	9.362239227	9.369599227	9.354879227	1.00157351
2.457655205	1.539917432	21.98652746	7.318277405	7.587632405	7.048922405	1.076424447
1.325152943	0.571056983	7.371243127	8.053491114	8.083381114	8.023601114	1.00745052
1.666846022	0.935328648	10.94370707	8.268862309	8.355027309	8.182697309	1.021060293
1.223004155	0.295028044	4.31334377	6.883222464	6.929534964	6.836909964	1.013547787
1.405108432	0.519664132	7.22033971	7.31535965	7.47652965	7.15418965	1.045056116
1.2919516	0.363315864	5.154889601	6.948498787	7.069923787	6.827073787	1.035571609
1.355149293	0.635876282	7.520786041	8.827277964	8.903702964	8.750852964	1.017466869
1.978054384	0.833860361	15.29163167	5.567365055	5.642770055	5.491960055	1.027460141
1.601085951	0.53718206	8.363975295	6.439606673	6.579779173	6.299434173	1.044503203
2.82992486	1.573403858	31.15325284	5.129759059	5.230934059	5.028584059	1.040239956
2.573153152	1.465606859	23.84785559	5.981935729	6.035925729	5.927945729	1.018215416
1.890911305	0.785553826	14.05841074	5.71199853	5.72407353	5.69992353	1.004236899
1.482124969	0.619817048	10.69781183	5.504129061	5.571929061	5.436329061	1.024943302
1.511538951	0.521188936	8.126610828	6.249739462	6.326437795	6.173041129	1.024849448
1.304581944	0.1689287	4.920837759	3.597557009	3.621312009	3.573802009	1.013293965
1.439366945	0.181456655	5.461790086	3.383715546	3.486285546	3.281145546	1.062520847
1.74371244	0.731495976	9.624939171	7.576817156	7.629542156	7.524092156	1.01401498
1.383285398	0.681416793	7.330609809	9.792655524	9.799160524	9.786150524	1.00132943
1.301407169	0.383938902	5.593632558	6.965517596	7.077597596	6.853437596	1.032707674
1.569303253	0.669679869	9.185008319	7.484068723	7.514293723	7.453843723	1.00810991
3.276596851	1.917764427	38.26853701	5.782569915	6.082161582	5.482978248	1.109280633
2.44260949	1.306331348	22.30430707	6.109464829	6.251472329	5.967457329	1.047593972
1.748435779	0.890995323	13.89326253	6.535968483	6.602758483	6.469178483	1.020648681
1.529337115	0.744535394	9.400326332	8.043590194	8.135600194	7.951580194	1.02314257
1.546890055	0.734372309	9.514285945	7.828019203	7.940104203	7.715934203	1.029052866

1.473389068	0.684179671	9.252534271	7.447999783	7.555763533	7.340236033	1.029362475
1.501780637	0.470733794	7.625629208	6.167495381	6.222810381	6.112180381	1.018099924
1.318154909	0.51899419	7.109629513	7.459756671	7.507398338	7.412115005	1.01285508
2.430292126	1.599598331	23.71007869	6.757988557	7.048443557	6.467533557	1.089819403
1.238853476	0.300594093	6.088762899	4.763030129	4.834506129	4.691554129	1.030470074
1.787347483	0.738789568	12.0443927	6.423941577	6.501021577	6.346861577	1.02428917
1.280275344	0.181193157	4.184606283	4.357315363	4.493815363	4.220815363	1.064679446
2.165223263	0.915810805	14.55282981	6.408648495	6.499170995	6.318125995	1.028654857
2.597352151	1.37463059	24.97439583	5.421109275	5.491021775	5.351196775	1.026129669
2.596890034	0.911882476	22.68363065	4.053807518	4.120652518	3.986962518	1.033531793
1.463293906	0.876350043	9.838279419	8.769753421	8.939138421	8.600368421	1.039390173
2.732354264	1.097671124	18.78321617	5.990776501	6.069746501	5.911806501	1.02671603
1.310079567	0.523584063	5.868586985	9.172390448	9.365060448	8.979720448	1.042912249
1.287207405	0.272342391	5.064687146	5.23730676	5.23859876	5.23601476	1.000493505
1.433558847	0.50793782	6.825522336	7.363292321	7.484857321	7.241727321	1.033573482
3.716151422	1.828192588	39.42579625	4.427816916	4.443776916	4.411856916	1.007235049
1.585183112	0.511234334	11.30155297	4.444870856	4.471210856	4.418530856	1.011922515
1.26774417	0.311984781	6.308335237	4.641235209	4.781055209	4.501415209	1.062122685
1.753246237	0.81067251	10.59956713	8.20755305	8.26210805	8.15299805	1.013382807
1.767673344	0.979222382	13.53415371	6.760125287	6.945771953	6.57447862	1.056474947
1.247727489	0.180403354	4.24409577	4.437933905	4.591367238	4.284500571	1.071622506
1.819535049	0.706668701	10.91967173	6.462443841	6.709303841	6.215583841	1.079432602
2.708555058	1.331199488	22.05560784	6.349156691	6.471381691	6.226931691	1.039256894
2.634996128	1.344359238	19.30889297	6.67710737	6.88349237	6.47072237	1.063790405
1.213296087	0.241410366	4.185363287	5.581766593	5.873444093	5.290089093	1.11027319
1.499239275	0.667608994	12.40797028	5.221818016	5.275790516	5.167845516	1.020887815
2.379895544	1.011116637	22.98865786	4.810509864	4.936969864	4.684049864	1.053996009
1.31618779	0.214791554	4.341187482	5.031005388	5.077935388	4.984075388	1.018831978
1.209562599	0.137840835	3.23670319	4.250124374	4.293134374	4.207114374	1.020446318
1.750441787	0.67381565	14.1026004	4.82765818	5.07740318	4.57791318	1.109108666
1.260309063	0.19972699	5.087698268	3.908663571	3.941168571	3.876158571	1.01677176
1.355732662	0.396955902	7.117854408	5.558340254	5.58605692	5.530623587	1.010022981
1.276287203	0.427077221	4.679426326	9.319223435	9.339732185	9.298714685	1.004411094
1.943832255	0.731556862	14.10981438	5.018183371	5.067265038	4.969101705	1.019754744
1.922584546	1.062299152	16.32710669	6.479969054	6.638391554	6.321546554	1.050121437
1.630290871	0.543699474	11.73619942	4.54260076	4.64309076	4.44211076	1.045244257
2.461158859	1.176393995	19.61252444	5.594190043	5.679847543	5.508532543	1.031099934
1.233221551	0.20113688	4.765126819	4.161567234	4.1798539	4.143280567	1.008827144
2.585727612	1.23081755	23.29656486	4.922581454	4.991346454	4.853816454	1.028334405
1.509249472	0.508731024	10.84396244	5.348944761	6.021104761	4.676784761	1.287445343
1.653522986	0.727362938	12.09740365	6.231850099	6.254407599	6.209292599	1.007265723
1.544269257	0.702417186	11.63058657	5.871806763	5.979486763	5.764126763	1.037362121
1.239286777	0.198637184	5.040808249	3.739511531	3.816716531	3.662306531	1.042161954
1.359688133	0.3844409	6.671502661	5.732804259	5.778971759	5.686636759	1.01623719
1.299453669	0.12839684	3.961712776	3.330449444	3.429779444	3.231119444	1.061483335
1.218376351	0.204207968	4.831283773	4.065852435	4.148787435	3.982917435	1.041645352
1.251874579	0.285299587	5.939925035	4.730818585	4.763933585	4.697703585	1.014098378

1.478385456	0.769341533	9.478560027	7.886812747	7.919202747	7.854422747	1.008247583
1.322651728	0.247469504	5.366488632	4.529788402	4.566558402	4.493018402	1.016367616
2.07301933	0.886206558	14.37290699	6.17138103	6.63361103	5.70915103	1.161926002
1.172470282	0.204798577	4.870083424	4.128731665	4.200566665	4.056896665	1.035413769
1.793316627	0.645567684	11.38501562	5.613162193	5.945262193	5.281062193	1.125770153
2.448167146	0.798095808	19.77003371	4.029946261	4.097541261	3.962351261	1.034118631
1.276082166	0.211158336	5.095526738	4.0486232	4.054295343	4.042951057	1.002805942
1.227485519	0.264307036	5.25685948	4.921174278	5.012764278	4.829584278	1.03792873
1.5465922	0.461203095	8.721410466	5.279781405	5.365856405	5.193706405	1.033145886
2.480885968	1.420991825	23.40662211	5.660952374	5.930425708	5.391479041	1.099962675
1.253720624	0.273077935	5.824327985	4.594767971	4.600757971	4.588777971	1.002610717
1.289918107	0.199513959	4.64372326	4.451076463	4.496276463	4.405876463	1.020518051
2.039364168	0.858097328	16.30548017	5.103497769	5.143562769	5.063432769	1.015825232
1.972609975	0.787355564	14.38017423	5.643634009	5.670959009	5.616309009	1.00973059
1.368139474	0.420187855	7.420529227	5.572260831	5.633800831	5.510720831	1.022334646
1.743226585	0.570676232	10.14199019	5.99437752	6.30723752	5.68151752	1.110132548
1.599104328	0.468274063	10.02567718	5.775238467	6.026613467	5.523863467	1.091014197
1.317945867	0.406304365	6.914001908	5.82760957	5.89492457	5.76029457	1.023372069
1.557144298	0.279610252	6.856069533	3.840507475	3.853967475	3.827047475	1.007034143
1.391946943	0.269367212	6.710874235	4.107356538	4.161746538	4.052966538	1.0268396
1.835654927	0.683903397	10.38543667	6.567331663	6.616416663	6.518246663	1.015060799
1.115746777	0.086187483	2.078649721	4.142777466	4.189462466	4.096092466	1.022794896
1.15571718	0.16877983	3.063319133	5.606115677	5.682391927	5.529839427	1.027587148
2.528193292	1.040370361	22.57679375	4.920725586	4.942460586	4.898990586	1.008873256
1.306526038	0.297965433	7.085232721	4.113444821	4.153109821	4.073779821	1.019473316
1.686825122	0.64239462	12.27930862	4.952800751	5.011142001	4.894459501	1.023839711
2.501999926	1.291854525	20.52028721	6.621025013	6.664450013	6.577600013	1.013203904
1.111167903	0.088915893	2.325077069	3.859243469	3.981178469	3.737308469	1.065252842
1.88675391	1.119656993	14.22414026	7.776007443	7.861227443	7.690787443	1.02216158
1.905149872	0.822838571	11.39129321	7.20247109	7.47710609	6.92783609	1.079284497
1.659837407	0.897500447	11.94176988	7.968608979	8.087088979	7.850128979	1.030185491
1.239797787	0.127304465	3.559010884	3.883591383	4.121341383	3.645841383	1.130422569
1.966584781	0.522932806	12.12807859	4.406187933	4.526952933	4.285422933	1.056360832
1.891836431	0.707880241	13.54204012	5.119661376	5.188146376	5.051176376	1.027116456
1.180530991	0.143516833	3.663949316	3.870203909	4.052553909	3.687853909	1.098892204
1.328987224	0.400328084	6.736238692	6.007843038	6.087868038	5.927818038	1.026999817
2.165606032	0.883465713	16.53079023	5.807386766	5.847051766	5.767721766	1.013754131
1.344665583	0.456586512	6.965788015	6.834219536	6.91602287	6.752416203	1.024229352
1.334863799	0.233898304	4.8202417	4.817564301	4.864664301	4.770464301	1.019746506
3.166249003	2.476195101	30.6169339	7.411709677	7.674904677	7.148514677	1.073636276
2.674488048	1.059459156	15.85315655	6.93890628	6.96902628	6.90878628	1.008719332
2.147500329	0.936819681	13.16456183	7.475853799	7.736413799	7.215293799	1.072224363
1.499716634	0.583039643	9.01923265	6.743613531	6.848345198	6.638881865	1.031550996
1.515201814	0.763414158	9.298294757	8.344686255	8.564886255	8.124486255	1.054206504
1.688265217	0.753204774	11.27487411	6.940896573	6.950349698	6.931443448	1.002727606
1.358704053	0.319215548	5.318482493	5.953697306	6.057637306	5.849757306	1.035536517
1.429395756	0.575540443	7.954683589	7.312331795	7.336325545	7.288338045	1.006584148

1.580360279	0.531584299	8.085322924	6.806796346	7.124923846	6.488668846	1.098056322
1.546977821	0.511542818	8.08760633	6.343053806	6.442293806	6.243813806	1.031788264
1.515563426	0.517908581	8.829507806	5.892429631	6.132149631	5.652709631	1.084815961
1.704961648	0.60417744	9.084391941	6.767185595	6.931665595	6.602705595	1.049822
1.44617896	0.539389136	9.246278201	5.227422969	5.419332969	5.035512969	1.076222622
1.338521059	0.397541827	6.554203783	6.277991099	6.325202349	6.230779849	1.015154203
1.513575267	0.449178713	7.280989146	6.332442882	6.427837882	6.237047882	1.030589792
1.508162856	0.651444904	8.05685001	8.298894799	8.381479799	8.216309799	1.020102699
1.262619511	0.524918684	6.351745477	8.434188309	8.455168309	8.413208309	1.004987396
1.720473115	0.471673014	10.57492537	5.832698312	5.979255812	5.686140812	1.051549022
2.314490497	1.165663019	17.50113009	6.525514613	6.719989613	6.331039613	1.061435408
1.251189333	0.365796257	5.94933499	6.159631137	6.195701137	6.123561137	1.011780727
1.436217037	0.381855285	6.653641125	5.776757936	5.887832936	5.665682936	1.039209748
1.330291784	0.209623846	4.704956876	4.583780425	4.745710425	4.421850425	1.073240831
1.260734211	0.315743698	5.024606962	6.402221932	6.463229432	6.341214432	1.019241582
1.557554527	0.520345079	9.450577854	5.345172234	5.375794734	5.314549734	1.011524024
1.351912755	0.377298818	7.16478661	5.019579372	5.184686872	4.854471872	1.068022848
1.386188933	0.470832775	6.761483894	7.132141725	7.225759225	7.038524225	1.026601457
1.767119714	0.926455766	12.07378347	7.87270233	8.03533233	7.71007233	1.042186375
1.719104485	0.695465737	10.21629436	6.713514585	6.758706251	6.668322918	1.013554133
1.476026096	0.667074667	7.598958978	8.695313252	8.731605752	8.659020752	1.008382588
1.222558874	0.311393769	4.300745617	7.132245486	7.216110486	7.048380486	1.023796956
1.438132262	0.514158569	6.253511178	8.333032368	8.356887368	8.309177368	1.005741844
1.383777243	0.474674122	6.702435994	7.215900212	7.273655212	7.158145212	1.016136862
1.274965959	0.476072958	4.695814243	10.06555653	10.09336653	10.03774653	1.005541084
1.396534548	0.513379549	6.131347007	8.258129071	8.467569071	8.048689071	1.052043258
1.492552049	0.650362759	9.118228981	7.155391089	7.263333589	7.047448589	1.030633072
1.486102613	0.723880295	9.173993372	8.024736949	8.035016949	8.014456949	1.002565364
2.481958024	1.223443286	16.45862962	7.057733129	7.058988129	7.056478129	1.000355702
1.835231919	0.686230206	11.19267282	5.703053355	5.704580022	5.701526688	1.000535529
1.577995811	0.712658879	9.436573848	7.46980059	7.48149184	7.45810934	1.003135178
1.514851308	0.662497534	8.708434048	7.326371837	7.495791837	7.156951837	1.047344178
1.27786963	0.333878674	5.280535794	6.328587367	6.347296117	6.309878617	1.005929987
1.268857894	0.532064374	5.161151616	10.32915392	10.36283892	10.29546892	1.006543655
2.285339225	1.436517316	20.11849349	6.933089729	7.001949729	6.864229729	1.020063431
1.23160885	0.431047935	5.211121829	8.369131861	8.423705611	8.314558111	1.013127276
1.326800018	0.390164382	6.078258971	6.510023977	6.664888977	6.355158977	1.048736782
1.276173337	0.353469786	6.111104236	5.743945206	5.907387206	5.580503206	1.05857608
1.886782409	0.496101312	11.3729502	4.410437405	4.420265739	4.400609072	1.004466806
1.579554536	0.442697643	9.001859422	5.176940873	5.536705873	4.817175873	1.1493676
1.728523504	0.899647579	12.38577047	6.960769639	7.190311639	6.731227639	1.068202121
1.851008726	1.029505355	13.37906706	7.856728618	8.062458618	7.650998618	1.053778601
1.398707009	0.427343563	8.856709748	4.667293118	4.739475618	4.595110618	1.031417089
2.100015942	1.071678016	23.14606528	4.516251487	4.526788153	4.50571482	1.004677023
1.331535138	0.374867317	6.717198353	5.586298805	5.706908805	5.465688805	1.044133504
1.390447492	0.482219162	7.57387714	6.416944533	6.456114533	6.377774533	1.012283282
1.193794888	0.225531495	4.456341621	5.277546814	5.307869314	5.247224314	1.011557539

1.488403137	0.424865213	6.744627007	6.138006013	6.340996013	5.935016013	1.068404196
1.331634448	0.367277658	5.97914557	6.105511303	6.155896303	6.055126303	1.016642097
1.466325585	0.56063912	9.016120067	6.130309285	6.206948285	6.053670285	1.025319846
1.829984591	0.773335356	14.6397904	5.235470388	5.389440388	5.081500388	1.060600212
1.296585623	0.555530253	7.027221558	8.022036262	8.133911262	7.910161262	1.028286402
1.216011465	0.122984318	3.391436251	3.629091916	3.646400249	3.611783583	1.009584369
1.490619363	0.758307943	7.395668115	10.17563103	10.27738103	10.07388103	1.020200755
1.901510318	0.861342048	13.87890136	6.374451605	6.559996605	6.188906605	1.059960511
1.753245745	0.59040651	12.66360043	4.492159204	4.695514204	4.288804204	1.094830629
1.44839817	0.258398598	6.741086117	3.791067599	3.805892599	3.776242599	1.00785172
2.827276459	1.622563707	31.29099635	4.773893478	4.816253478	4.731533478	1.0179054
1.756547363	0.844555279	12.4590289	6.858042453	6.860827453	6.855257453	1.000812515
1.37954444	0.216862764	5.099199753	4.346939452	4.370654452	4.323224452	1.010970978
4.986102514	2.120206307	27.34244129	8.517971455	8.536461455	8.499481455	1.004350854
2.289948227	1.38532934	20.26193221	6.567713665	6.916253665	6.219173665	1.11208563
2.043272442	0.766570684	10.91829942	6.923586129	6.964611129	6.882561129	1.011921434
1.243403813	0.129159426	3.174378401	4.028182617	4.209102617	3.847262617	1.094051287
1.239618665	0.152935601	3.967591494	3.908335539	4.037295539	3.779375539	1.068244078
1.41819312	0.508498208	7.479290415	6.966456667	7.045439167	6.887474167	1.022935113
1.153035692	0.184263223	3.031170322	6.223555224	6.330192724	6.116917724	1.034866416
1.235415263	0.308012358	6.390651475	5.247140027	5.415490027	5.078790027	1.066295318
1.722628588	0.694278676	12.39725724	6.139389012	6.184755679	6.094022346	1.014888907
1.183392813	0.223960756	4.518700136	4.808616378	4.879969712	4.737263045	1.030124286
1.829414467	0.910682853	16.05622498	5.644704515	5.752506182	5.536902849	1.038939338
1.882725632	0.756826242	16.85682629	4.379800347	4.407710347	4.351890347	1.01282661
1.44790271	0.587698727	7.625115342	7.953435522	8.076908022	7.829963022	1.031538463
1.60833239	0.654937799	10.47495975	6.197362054	6.330542054	6.064182054	1.043923483
1.362025993	0.409746415	6.515425233	6.513483987	6.715881487	6.311086487	1.064140303
1.684604228	0.761564286	10.26487035	7.656457242	7.880862242	7.432052242	1.060388434
1.274630309	0.535211957	5.104422651	10.46982158	10.49756658	10.44207658	1.005314077
2.02265914	0.902992556	11.55956886	8.172489951	8.278529951	8.066449951	1.026291615
1.328170018	0.360149506	4.84639169	7.524046085	7.575680252	7.472411919	1.013819947
1.235121	0.343167471	5.149835954	6.590856778	6.650924278	6.530789278	1.018395173
1.480356628	0.492388117	7.85677983	6.418316848	6.446394348	6.390239348	1.008787621
1.692873202	0.738968372	9.854754421	7.887907764	7.980530264	7.795285264	1.023763723
1.397844687	0.491450466	7.485369156	6.574023398	6.602983398	6.545063398	1.008849418
1.261372948	0.312438945	4.449785368	6.919571056	7.028812056	6.810330056	1.032080971
1.521991068	0.706620189	8.504970573	8.325796034	8.469346034	8.182246034	1.035088165
1.375340996	0.509278335	7.357717491	6.865076764	6.924971764	6.805181764	1.017602763
1.786189494	0.881789325	12.92995108	6.501739768	6.707259768	6.296219768	1.065283617
1.370274244	0.55183701	7.011215406	8.107315063	8.210105063	8.004525063	1.025682973
1.211926556	0.429800528	4.492226095	9.328640577	9.446140577	9.211140577	1.025512584
1.350407875	0.593542851	5.807460067	10.55315931	10.59255431	10.51376431	1.007493986
4.128080915	2.420108547	52.22603913	5.389588037	6.099258037	4.679918037	1.303283089
1.997125354	0.961571646	18.63825483	4.587374648	4.620292148	4.554457148	1.014455071
1.740192634	0.679387809	9.995462945	6.541364099	6.749435349	6.333292849	1.065707131
1.719585563	0.705899028	9.100209624	7.932948722	8.106388722	7.759508722	1.044703861

1.434229841	0.506993836	7.658872067	6.64177141	6.661679744	6.621863077	1.00601291
1.413275664	0.553995845	10.10941838	5.566405939	5.816250939	5.316560939	1.093987449
1.333260568	0.252582254	6.223339564	3.617109135	3.617109135	3.617109135	1
2.223481484	1.334462382	17.99496693	7.332007427	7.448662427	7.215352427	1.032335219
1.346386154	0.40347257	6.226761425	6.508123227	6.601640727	6.414605727	1.029157677
1.466870964	0.582973673	7.613366783	7.945416768	8.121754268	7.769079268	1.045394697
2.360996346	1.182882752	19.94202852	5.942697448	6.176302448	5.709092448	1.081836124
1.316598843	0.378186312	6.082068226	6.378447518	6.471740851	6.285154184	1.029686888
1.726966351	0.71709215	9.807310037	7.23385208	7.38038458	7.08731958	1.041350612
1.902165843	0.849929066	12.099083	6.891314414	6.957364414	6.825264414	1.019354562
1.612063946	0.767844874	10.82540129	7.404283378	7.738625878	7.069940878	1.094581413
1.307797183	0.284364095	4.451307405	6.369748703	6.413953703	6.325543703	1.013976664
1.480882046	0.535184166	8.736233516	6.219810761	6.533665761	5.905955761	1.106284237
1.383403379	0.406748447	6.709141523	6.028462435	6.098817435	5.958107435	1.02361656
1.441953346	0.459687247	8.111368994	5.635497812	5.674427812	5.596567812	1.013912098
1.72439165	0.722938498	13.77413039	5.085162936	5.09011627	5.080209603	1.001950051
1.327336008	0.301803468	5.903090366	5.168198587	5.191011087	5.145386087	1.008867167
1.542985081	0.465872445	8.021455872	5.833388987	5.847753987	5.819023987	1.004937254
1.27938678	0.19591024	4.014399386	4.923087905	5.023922905	4.822252905	1.041820702
1.116680005	0.130267244	2.476026478	5.576732205	5.730167205	5.423297205	1.056583659
1.504313557	0.529335719	8.902775165	5.918312944	6.042442944	5.794182944	1.042846421
1.343601299	0.447998716	6.478490564	6.812862987	6.886552987	6.739172987	1.021869152
1.384686331	0.452081619	7.134808066	6.623510244	6.760210244	6.486810244	1.042147063
1.984532389	0.985248924	13.35725385	8.30638549	8.38810549	8.22466549	1.019871933
1.59513063	0.61277629	9.376163653	6.40562744	6.52760744	6.28364744	1.038824584
3.020028532	1.175764835	19.78548344	5.534723943	5.68862561	5.380822277	1.057203772
1.633302911	0.688280727	13.41324622	5.111689927	5.159489927	5.063889927	1.018878767
1.536541807	0.6018459	9.402002478	6.655859014	6.719604014	6.592114014	1.019339775
1.275370738	0.472894675	5.951567687	7.962528906	8.022191406	7.902866406	1.015098952
1.514378576	0.57559616	9.17672385	6.563057864	6.82468453	6.301431197	1.083037221
1.631243873	0.663867433	9.531301896	6.801208866	6.804938866	6.797478866	1.001097466
1.286915051	0.381902595	7.883704131	5.475832376	5.496124876	5.455539876	1.007439227
1.229003059	0.303261168	4.045254967	7.649410716	7.746083216	7.552738216	1.025599325
1.517713861	0.502651839	7.890718517	6.608417394	6.794987394	6.421847394	1.058104775
1.309573785	0.380585183	5.991561766	6.494434282	6.668364282	6.320504282	1.055036748
1.484363872	0.558720126	8.530711969	6.19379543	6.24321043	6.14438043	1.016084616
1.742324564	0.619990329	10.75371037	5.525733341	5.571283341	5.480183341	1.016623531
1.682510937	0.69105944	10.19664361	7.444945815	7.637254148	7.252637481	1.053031282
1.690183858	0.687063372	8.212614035	8.256855124	8.466535124	8.047175124	1.052112697
1.099072563	0.060623031	1.691463633	3.703461242	3.801706242	3.605216242	1.054501585
2.063150876	0.917821398	13.5587731	7.116332809	7.163027809	7.069637809	1.013210012
1.312673098	0.368762847	6.956195974	6.241535252	6.469105252	6.013965252	1.075680517
1.123267363	0.098764521	2.378617673	4.193063017	4.317415517	4.068710517	1.061126246
1.450815842	0.444529399	9.362507309	5.645015933	5.923450933	5.366580933	1.103766254
1.377764538	0.668594846	7.780533522	8.292360241	8.582305241	8.002415241	1.072464373
2.516799448	0.741588866	16.41119498	5.849217914	6.059790414	5.638645414	1.074689038
1.33032809	0.261850465	5.98724289	5.048696225	5.300216225	4.797176225	1.104861689

1.62432612	0.652721761	13.06265228	4.902196052	4.936206052	4.868186052	1.01397235
1.760606106	0.335870552	9.140880516	3.659415747	3.718555747	3.600275747	1.032853039
1.785139898	0.700437291	15.28774521	4.197040649	4.457610649	3.936470649	1.132387625
1.282734883	0.452539726	6.783164483	6.669894659	6.738632992	6.601156326	1.020826149
1.423382353	0.349639231	5.937138963	5.955308151	5.980028151	5.930588151	1.008336441
1.282265832	0.344178416	4.952081941	6.961814543	7.162299543	6.761329543	1.059303425
2.07931021	0.931685963	16.31568502	5.804123498	5.881573498	5.726673498	1.027048862
1.430517336	0.557127102	6.2594444	9.150130518	9.245425518	9.054835518	1.021048422
1.153986184	0.210076002	2.997092852	7.122322141	7.220867141	7.023777141	1.028060401
1.409806738	0.409663401	6.260763929	6.584539761	6.632494761	6.536584761	1.0146728
1.486603872	0.477862597	7.212980699	6.650026599	6.650771599	6.649281599	1.000224084
1.333842858	0.348967609	5.738142594	6.18160451	6.27821451	6.08499451	1.031753521
1.472158352	0.514946167	7.356502299	7.059783807	7.283707557	6.835860057	1.065514434
1.144302132	0.165267329	3.235488421	5.101989983	5.215248317	4.98873165	1.045405663
1.658294959	0.897173396	9.701070283	9.150790592	9.219600592	9.081980592	1.015153082
1.626707145	1.074387483	13.23614044	7.665947415	7.752862415	7.579032415	1.022935645
1.517455279	0.546624545	9.587133041	5.574113505	5.674503505	5.473723505	1.036680698
1.381145627	0.50443652	7.098958573	6.89475587	7.02822087	6.76129087	1.039479148
1.299109468	0.319611435	5.250575482	6.184566912	6.243481912	6.125651912	1.019235504
1.190941039	0.285874572	4.146761193	6.757466355	6.894611355	6.620321355	1.041431524
1.219306919	0.185190988	4.382171202	4.230704902	4.385569902	4.075839902	1.075991699
1.227199294	0.235362206	5.157335607	4.491994646	4.548426312	4.435562979	1.025445098
1.137414468	0.120937156	2.621407265	4.599557668	4.613087668	4.586027668	1.005900531
1.506851408	0.531694639	8.83542613	5.877893431	6.045758431	5.710028431	1.058796555
1.207160145	0.393979479	4.037636728	9.721506633	9.886041633	9.556971633	1.034432455
1.399840298	0.569562731	8.28881174	7.289810329	7.338660329	7.240960329	1.013492685
1.562149113	0.636274407	9.045980791	7.064940382	7.086552882	7.043327882	1.006137014
1.236655762	0.157310516	4.196802032	3.631992315	3.731367315	3.532617315	1.056261401
1.383675665	0.431699968	7.206476891	6.018968617	6.133105617	5.904831617	1.03865885
1.228780393	0.315111139	4.553943553	7.065464667	7.090834667	7.040094667	1.007207289
1.522602584	0.514674812	9.245501867	5.563779003	5.590461503	5.537096503	1.009637723
1.61191195	0.366352971	7.35850472	4.67072147	4.83703147	4.50441147	1.073843165
1.308455035	0.324014833	4.677138166	6.827034197	6.944219197	6.709849197	1.03492925
1.329851699	0.379550457	6.106475145	6.396552417	6.434452417	6.358652417	1.011920765
1.287051171	0.504891253	6.249963695	8.189621297	8.315238797	8.064003797	1.031155119
1.190623904	0.342297235	3.979390636	8.757164006	8.767391506	8.746936506	1.002338533
1.247176181	0.266062299	4.35101267	6.223879266	6.293809266	6.153949266	1.022726869
1.791382252	0.924904996	11.85106891	7.735287146	7.964825003	7.505749289	1.061163209
1.352066926	0.337713294	7.171238068	4.633184526	4.642989526	4.623379526	1.004241486
1.180316323	0.235717445	3.934995691	5.809619657	5.863955426	5.755283888	1.018882047
1.502301271	0.426408694	6.94797568	6.059916355	6.119911355	5.999921355	1.019998595
1.54395895	0.538589627	7.941000683	6.784619734	7.021330568	6.547908901	1.072301199
1.546471506	0.657240877	10.86335206	6.11591548	6.201328813	6.030502146	1.028327105
1.572137336	0.612953417	10.31469088	5.795751917	5.797259417	5.794244417	1.000520344
1.343120493	0.396281999	6.448906729	6.072108437	6.097118437	6.047098437	1.008271736
1.427808503	0.466759288	9.32675494	4.96146789	5.10856289	4.81437289	1.061106609
1.678042908	0.650971289	10.15119715	6.211856395	6.223051395	6.200661395	1.003610905

1.276605683	0.277034325	4.374333389	6.379562355	6.466654855	6.292469855	1.027681499
1.299221263	0.43619978	5.963846831	7.414784048	7.496114048	7.333454048	1.022180544
1.921978945	0.562863942	12.81784367	4.346871096	4.423111096	4.270631096	1.035704325
1.582898576	0.659112232	9.483510065	6.704202439	6.917412439	6.490992439	1.065694114
1.398747457	0.317184397	5.562674203	5.760700827	5.889855827	5.631545827	1.045868401
1.507466134	0.652994879	8.624618635	7.927714813	7.939849813	7.915579813	1.003066105
1.462586599	0.690899888	7.995661032	8.479608995	8.734618995	8.224598995	1.062011534
1.17626568	0.274301459	3.982751354	6.790217244	6.807562244	6.772872244	1.005121904
1.647027623	0.958104716	10.07250888	9.549140824	9.600430824	9.497850824	1.010800338
1.709093905	0.540193918	11.99386296	4.311189902	4.335404902	4.286974902	1.01129701
1.456213146	0.521455653	6.8057508	7.785715512	7.892741762	7.678689262	1.027876177
1.439475769	0.402460427	6.521232056	6.304017336	6.464602336	6.143432336	1.052278593
1.692330158	0.880839667	14.22224578	6.036459076	6.079436576	5.993481576	1.014341414
1.67685863	0.678440556	11.01046013	5.678743326	5.757653326	5.599833326	1.028182982
1.234089824	0.218631209	4.807231247	4.628471451	4.927321451	4.329621451	1.13804902
1.431185012	0.557937655	9.625393741	5.938027836	5.996807836	5.879247836	1.019995755
2.179415189	0.875584825	15.62622474	5.726399898	5.986409898	5.466389898	1.095130426
1.735265582	0.670572273	9.448947099	7.398427013	7.414097013	7.382757013	1.004245027
1.239645905	0.250581316	4.382782584	5.964066376	6.049741376	5.878391376	1.029149131
1.324871935	0.359947048	7.552041265	4.765210524	4.809055524	4.721365524	1.018573017
1.987656311	0.654180311	9.36914231	7.039895251	7.102525251	6.977265251	1.017952593
1.191924872	0.156319065	3.686151839	4.204499669	4.235760919	4.173238419	1.01498177
1.461339839	0.478238415	7.64273941	6.053656698	6.145693364	5.961620031	1.030876395
1.305829224	0.26963262	6.26763223	4.216942068	4.234793735	4.199090401	1.008502635
1.263655604	0.17591463	4.634334852	3.668398507	3.694413507	3.642383507	1.014284602
1.719553735	0.615566107	11.27287933	5.114848894	5.136298894	5.093398894	1.008422666
1.791176406	0.778193164	13.62967722	5.669326827	5.753791827	5.584861827	1.030247839
1.796326723	0.578672399	9.075644106	6.585315923	6.665930923	6.504700923	1.024786689
2.532885893	1.346509233	20.99154138	6.543033042	6.662763042	6.423303042	1.037279885
1.594313615	0.568150181	9.130818244	6.262271561	6.422597561	6.101945561	1.052549141
1.750150296	0.703275768	10.80690586	6.535567895	6.543455395	6.527680395	1.002416632
1.447403465	0.525201535	8.175564114	6.306991937	6.323219437	6.290764437	1.00515915
1.466716373	0.425988961	7.154832914	5.862899469	5.993976969	5.731821969	1.045736766
1.72907843	0.459571771	10.11967446	5.461427184	5.482012184	5.440842184	1.007566843
3.715154989	2.425003434	33.07905772	9.786052748	9.800632748	9.771472748	1.002984197
1.964797652	0.877312767	15.91109913	5.566538553	5.567673553	5.565403553	1.000407877
1.206576374	0.274961925	5.848940282	4.631262208	4.644942208	4.617582208	1.005925179
1.630435305	0.526729783	8.308867212	6.191226703	6.214209203	6.168244203	1.007451877
1.679810367	1.14356676	9.876098654	10.16755585	10.56426585	9.770845854	1.081202796
1.760994399	0.661937172	11.71906479	5.891813465	6.200311799	5.583315132	1.110507226
1.721567803	0.667147985	11.75804225	5.768493551	5.952341051	5.584646051	1.065840341
1.488618591	0.650276693	8.509147547	7.598911149	7.832091149	7.365731149	1.063314828
2.068487068	0.713332219	14.4132874	5.185602748	5.268488998	5.102716498	1.032487108
1.270372433	0.267428593	4.798775398	5.696009066	5.757179066	5.634839066	1.021711357
2.122815604	1.325097079	15.78030457	8.489682672	8.732882672	8.246482672	1.058982723
2.034836475	0.817499873	13.29521361	6.103086472	6.122261472	6.083911472	1.006303511
1.129293858	0.123826706	2.902143938	4.264262738	4.300946071	4.227579405	1.017354297

1.575857513	0.814310475	11.97387191	6.757367573	6.758157573	6.756577573	1.000233846
1.951922017	1.063178606	16.0939423	7.066874434	7.314689434	6.819059434	1.072683044
1.227121425	0.215822458	4.512515444	4.837576712	5.030851712	4.644301712	1.083231027
1.405954731	0.42604342	7.330438442	5.780319867	5.797261117	5.763378617	1.00587893
1.398326296	0.302314779	6.719636201	4.84635671	5.08897671	4.60373671	1.105401336
1.475910912	0.215193363	5.304537287	4.185546852	4.260846852	4.110246852	1.036640135
1.653296201	0.737066324	11.52014085	6.438874005	6.548849005	6.328899005	1.03475328
1.676915518	0.638730907	10.85757172	5.778790307	5.810504307	5.747076307	1.011036568
2.640335869	1.58379706	20.7954192	7.838785122	7.914780122	7.762790122	1.0195793
2.186515167	0.833300761	12.86374021	6.337860568	6.445555568	6.230165568	1.034572115
2.30266531	1.359559004	21.43225748	6.514461201	6.869446201	6.159476201	1.115264671
1.766903572	0.702773598	11.15925942	6.427628195	6.493513195	6.361743195	1.020712876
1.160006257	0.097408102	2.512617442	3.831957942	3.844552942	3.819362942	1.006595341
1.395992853	0.360223141	7.095913026	5.271353923	5.412853923	5.129853923	1.055167263
2.372252763	1.260632465	16.5128517	7.46839295	7.64271795	7.29406795	1.047799116
1.85497772	0.927831589	11.04264455	8.734200582	8.838160582	8.630240582	1.024092028
1.976411341	0.947773935	14.3274134	6.573234853	6.765972853	6.380496853	1.060414731
1.154888753	0.261791385	3.918887044	6.755122556	6.806544223	6.70370089	1.015341277
1.835589985	0.980163469	15.29348185	6.52393029	6.60894279	6.43891779	1.026405835
1.841496893	0.557445394	10.63240344	4.761204914	5.188054914	4.334354914	1.196961259
1.782307602	1.539415542	15.94087263	10.41372089	10.56936089	10.25808089	1.030344857
1.478414434	0.716894603	8.807386515	8.57113415	8.89983415	8.24243415	1.079757992
1.788023432	0.94384241	11.26555746	8.794908523	9.116341023	8.473476023	1.07586792
1.360479904	0.611942504	7.936039635	7.576662152	7.674712152	7.478612152	1.026221443
1.955319465	1.062787063	17.96433306	5.526141263	5.537111263	5.515171263	1.003978118
1.448066825	0.460971032	7.195959883	6.37904966	6.379522994	6.378576327	1.000148413
1.332058747	0.537974777	6.590901923	7.963912228	8.101909728	7.825914728	1.035266804
1.357580396	0.438675685	9.021244824	4.670358524	4.674283524	4.666433524	1.001682227
1.538428938	0.569821636	9.737478947	6.227762622	6.310334289	6.145190956	1.026873589
1.679108674	0.733941691	10.343706	7.661344303	7.898781803	7.423906803	1.063965647
1.884795733	0.831167478	13.27062405	6.453077303	6.46086897	6.445285637	1.002417788
1.62457323	0.591580844	12.10564203	4.993444835	5.074258169	4.912631502	1.032900222
1.803391	0.537721075	13.3441352	4.367208792	4.630993792	4.103423792	1.128568246
1.27028486	0.393923046	6.234593279	6.514157314	6.853692314	6.174622314	1.109977577
1.578054821	0.88251609	11.10721038	8.186106116	8.469231116	7.902981116	1.071650178
2.196268956	1.074113556	21.349839	4.829297037	4.882902037	4.775692037	1.022449102
1.812422853	0.947081768	14.39137859	5.989714336	6.096494336	5.882934336	1.036301612
2.43355292	0.881272871	16.79200145	5.010275964	5.095625964	4.924925964	1.03466042
1.867750575	0.841114117	14.03459001	5.853577815	5.960357815	5.746797815	1.037161565
1.658046571	0.496351679	12.47628455	3.557309859	3.714244859	3.400374859	1.092304529
3.407882657	1.75362815	25.66507062	8.04405957	8.13464957	7.95346957	1.022779995
3.928659641	2.313600645	45.26869518	6.028043747	6.185138747	5.870948747	1.053516052
1.755743789	0.459764936	9.741914985	4.588623802	4.660048802	4.517198802	1.031623581
1.500551936	0.748518675	10.07015382	7.161815754	7.363580754	6.960050754	1.057978025
1.754020519	0.877137757	11.64332578	7.120830653	7.323895653	6.917765653	1.058708262
2.388073445	1.155471165	15.93160069	7.260353119	7.367548119	7.153158119	1.029971377
1.745357993	0.813406287	14.49791596	5.697016883	5.810636883	5.583396883	1.040699238

1.663579134	0.724507842	10.99043837	6.73461727	6.777188937	6.692045604	1.012723065
1.704483116	0.600533512	10.60929459	5.529040071	5.705661737	5.352418404	1.065996958
1.556389489	0.444162365	8.560005875	5.038124648	5.040974648	5.035274648	1.001132014
1.747013976	0.704386302	9.836443343	7.531671584	7.951316584	7.112026584	1.118009964
1.669542635	0.477600155	10.09822456	4.732842078	4.779652078	4.686032078	1.019978523
1.517237198	0.556194616	7.684078531	7.209870454	7.229152954	7.190587954	1.005363261
1.596127021	0.739386578	12.30784331	5.49762949	5.51794449	5.47731449	1.007417869
2.421070752	1.122756314	16.48600426	6.572293768	6.633518768	6.511068768	1.018806436
1.791926688	0.946483485	16.71079432	5.373712807	5.484587807	5.262837807	1.042135063
1.533612142	0.641514808	7.775189821	8.09660788	8.23339288	7.95982288	1.034368855
2.001431403	1.007123499	15.15895336	6.463722251	6.588512251	6.338932251	1.039372562
1.414956807	0.29036617	6.891819708	4.202127654	4.343777654	4.060477654	1.069770117
1.382994539	0.331040026	7.710087627	4.323052637	4.417782637	4.228322637	1.044807366
2.481382523	1.028535841	21.47403261	4.748245942	4.757690942	4.738800942	1.00398624
1.225725095	0.239257625	5.549026508	4.176780273	4.258385273	4.095175273	1.039854216
1.184928896	0.277524145	5.477914896	5.006031235	5.066096235	4.945966235	1.02428848
1.195271014	0.143493993	3.775722732	3.687360303	3.773847803	3.600872803	1.048036965
1.269468253	0.410181864	5.195042442	7.892852318	7.992164818	7.793539818	1.025485852
1.662571082	0.913486226	10.27892745	9.096910736	9.214040736	8.979780736	1.026087497
1.298163187	0.281431606	5.107044561	5.55915112	5.56846612	5.54983612	1.003356856
2.243460827	0.834634897	13.37704204	6.127059328	6.349654328	5.904464328	1.07539888
1.30561548	0.374727479	6.040234411	6.526627752	6.553735252	6.499520252	1.008341385
1.498215329	0.783176297	9.408760987	8.273568695	8.321428695	8.225708695	1.011636687
1.885700254	0.814721602	12.07056649	7.537975507	7.629240507	7.446710507	1.024511494
1.722569737	0.759504077	11.05569451	7.574675456	7.834280456	7.315070456	1.070978127
1.42107737	0.430223529	5.545592851	7.784965714	7.968400714	7.601530714	1.048262648
1.287107639	0.470647077	5.426948692	8.59131415	8.735582483	8.447045817	1.034158293
1.403334296	0.462632877	6.529198165	7.125696773	7.139036773	7.112356773	1.003751218
1.291828769	0.361196405	6.349343157	5.923935765	6.170198265	5.677673265	1.086747683
1.491311622	0.469368172	7.881710912	5.846065059	5.846587559	5.845542559	1.000178769
1.29748284	0.441894548	6.259490487	6.684685393	6.873920393	6.495450393	1.058266937
1.38344965	0.402008873	6.780069621	5.736556558	5.825911558	5.647201558	1.031645763
1.789104372	0.703257629	10.01427758	6.802948037	6.869543037	6.736353037	1.019771826
3.313029818	0.983912773	29.335956	3.417716518	3.455951518	3.379481518	1.022627731
1.459216463	0.427311226	7.444510441	5.69583852	5.798135186	5.593541853	1.036576706
1.370871551	0.384507094	5.888021128	6.739231914	6.772311914	6.706151914	1.009865568
1.53814469	0.445471006	8.891490986	4.815785517	4.852515517	4.779055517	1.015371238
1.341884082	0.407157882	7.472686163	5.580463784	5.763518784	5.397408784	1.067830697
1.485930574	0.437483649	7.411571504	6.145631554	6.182596554	6.108666554	1.012102478
1.634109404	0.529421613	11.02687338	4.681441995	4.874911995	4.487971995	1.086217116
1.418972747	0.385963313	6.493956311	6.096369198	6.098059198	6.094679198	1.000554582
1.308138135	0.27411302	5.754140671	4.790434159	4.800759159	4.780109159	1.004319985
1.322651974	0.258613617	4.978889741	5.426238916	5.433611059	5.418866774	1.002720917
2.196993067	0.987823484	16.03527377	6.389237136	6.717532136	6.060942136	1.108331343
2.159377479	0.638565505	17.10290605	3.702744696	3.769409696	3.636079696	1.036668613
2.819332842	1.387494587	26.92847147	5.137543709	5.216821209	5.058266209	1.031345721
1.429488452	0.39756461	7.553988962	5.270038525	5.273188525	5.266888525	1.001196152

1.544331807	0.610924244	8.458587707	7.324154894	7.417158228	7.231151561	1.025722966
1.582529066	0.591438813	8.304646534	7.291375266	7.305500266	7.277250266	1.003881961
2.231866632	1.087852181	17.13579218	6.474778469	6.556348469	6.393208469	1.025517704
1.19220319	0.347453004	4.102414909	8.777546755	8.791411755	8.763681755	1.003164195
2.612883869	1.407462184	17.17600297	6.98171256	6.99459256	6.96883256	1.003696458
1.701337322	0.719848191	13.14934377	5.920802468	5.953139968	5.888464968	1.010983338
2.128053685	1.133616972	14.99003808	6.925856167	7.398241167	6.453471167	1.146397183
1.498554356	0.555548163	7.415182994	7.637295227	7.700922727	7.573667727	1.016802295
1.324090073	0.433708671	5.587629927	7.849771556	7.902556556	7.796986556	1.013539846
2.232805287	1.108360987	23.88580062	4.393664015	4.443999015	4.343329015	1.023178074
1.236961106	0.194351683	4.495732911	4.255120603	4.328520603	4.181720603	1.035105167
1.444222445	0.450610839	9.532228402	5.818649979	6.117804979	5.519494979	1.10839941
2.009076855	0.953992053	12.74624746	7.754372008	7.955292008	7.553452008	1.053199517
1.734877245	0.914294701	12.49457153	7.210082603	7.424277603	6.995887603	1.061234546
1.279213523	0.446931053	5.865069823	7.669824481	7.873709481	7.465939481	1.054617373
1.348015827	0.341483336	7.443259456	4.474574125	4.594459125	4.354689125	1.055060188
1.25950859	0.176072704	4.243895968	3.883992262	3.945432262	3.822552262	1.032146061
1.751759575	0.656893636	9.958052581	6.571619862	6.744704862	6.398534862	1.054101448
1.588074187	0.609644214	9.948211322	6.252554328	6.518759328	5.986349328	1.088937342
2.02425042	0.915634003	15.16337216	5.95293731	6.05203231	5.85384231	1.033856395
1.753091943	0.756539791	14.03997023	5.388686028	5.491331028	5.286041028	1.038836248
1.445413646	0.295647775	7.105952566	4.038309428	4.041729428	4.034889428	1.001695214
1.853000009	0.819516002	10.55807133	7.767637355	7.883512355	7.651762355	1.03028714
1.780684798	0.791890833	13.31357916	5.452623659	5.499216159	5.406031159	1.01723723
1.343422169	0.194789245	5.309318401	3.726458684	3.777713684	3.675203684	1.027892332
1.774805181	1.144788792	14.23049477	7.713060497	7.821740497	7.604380497	1.028583525
1.620005118	0.236900499	7.007451503	3.463596584	3.471621584	3.455571584	1.004644673
1.535693582	0.593311449	8.151809986	7.132956899	7.218641899	7.047271899	1.024317211
1.193489762	0.472910496	4.045147909	11.95764599	11.96567599	11.94961599	1.001343976
1.132121364	0.262301311	2.32978123	11.35010446	11.38331196	11.31689696	1.005868658
1.309950069	0.410377186	5.541475349	7.470879254	7.653974254	7.287784254	1.050247097
1.2722966	0.45856443	5.495162372	8.272695047	8.382877547	8.162512547	1.026997202
1.240224644	0.290484828	4.446397409	6.638303481	6.722828481	6.553778481	1.02579428
1.331126574	0.33330371	5.814748371	5.652456176	5.80877951	5.496132843	1.056884845
1.304319527	0.474024888	5.861092852	8.066663288	8.115203288	8.018123288	1.012107571
1.32786102	0.469566509	6.071853415	7.893172056	8.009582056	7.776762056	1.02993791
1.342783261	0.41342177	5.565635314	7.280756051	7.335566051	7.225946051	1.015170332
1.419406361	0.456895803	6.903344312	6.776411341	6.851286341	6.701536341	1.022345622
1.243995153	0.298770209	4.683786075	6.55222393	6.585867263	6.518580596	1.010322288
1.465384143	0.694550401	9.296853905	7.639203962	7.858241462	7.420166462	1.059038433
1.361001971	0.455206106	5.746835674	8.16501884	8.274125507	8.055912173	1.027087353
2.041434397	0.78590249	12.26834964	6.507027384	6.696682384	6.317372384	1.060042368
1.284022337	0.347036813	5.371656046	6.453384609	6.519109609	6.387659609	1.020578742
1.825888537	0.883274932	11.30038637	7.93935794	8.063466273	7.815249607	1.031760555
2.140710634	1.119555601	19.31802434	6.85755103	6.91732603	6.79777603	1.017586634
1.780283808	0.881826476	10.81832065	8.097042265	8.171832265	8.022252265	1.018645637
1.150080184	0.133485527	3.175062729	4.163374471	4.217399471	4.109349471	1.026293699

2.491752699	1.562606754	18.56684966	8.321093828	8.566593828	8.075593828	1.060800482
1.261696753	0.307514844	6.486565639	4.632297507	4.644662507	4.619932507	1.005352892
1.92831671	0.790133441	9.851298433	8.234291433	8.381061433	8.087521433	1.036295422
1.540849084	0.530973246	9.241518275	5.776979143	5.857354143	5.696604143	1.028218566
1.216458467	0.124460655	3.033856778	4.168354653	4.211269653	4.125439653	1.020805055
2.274132047	1.126592297	15.75221927	7.085692546	7.182275046	6.989110046	1.027637997
1.794252572	0.876105246	11.50350958	7.96582625	8.07179125	7.85986125	1.02696358
1.322858837	0.444278488	5.856639095	7.446630753	7.769650753	7.123610753	1.090689964
1.264440991	0.118538439	3.989194357	2.896781036	2.935291036	2.858271036	1.02694636
1.505481649	0.18272303	5.481622357	3.209268447	3.328388447	3.090148447	1.07709662
4.237907379	1.373861808	27.34184197	5.067735046	5.143095046	4.992375046	1.03019004
2.599007411	0.970853625	22.98664055	4.295463212	4.472598212	4.118328212	1.08602277
1.373356705	0.374638636	6.475863691	5.854574972	5.900986638	5.808163305	1.01598153
2.016826014	0.91757529	15.62872152	5.993090053	6.12132672	5.864853386	1.043730562
1.571272289	0.639827411	8.707545202	7.277829398	7.315759398	7.239899398	1.010478046
1.722087309	0.745055464	10.67547114	6.782742682	6.784462682	6.781022682	1.000507298
2.045482838	1.147142638	16.50488204	6.285091168	6.293606168	6.276576168	1.002713263
1.393764549	0.621038124	7.910398156	7.857249276	7.991589276	7.722909276	1.034789998
1.569547281	0.684366793	8.738621156	7.73304273	7.78633773	7.67974773	1.013879362
1.368118744	0.614449013	6.53576382	9.318219319	9.322559319	9.313879319	1.000931943
1.302253394	0.386112568	5.313451152	7.30304491	7.357293243	7.248796577	1.014967542
1.29241264	0.394824326	5.9504951	6.536330471	6.614560471	6.458100471	1.024226938
1.405767029	0.538534007	6.799111597	7.852964951	8.038463284	7.667466617	1.048385821
1.586713224	0.690235558	9.308749699	7.190980963	7.253333463	7.128628463	1.017493547
1.219272402	0.099523305	2.952549305	3.312009447	3.366329447	3.257689447	1.03334879
1.586130884	0.808622075	11.49279704	6.762541142	6.773461142	6.751621142	1.003234779
1.806534377	0.684063486	11.8634678	5.749835758	5.757095758	5.742575758	1.002528482
1.71567952	0.625034218	13.72347348	4.57815027	4.73235027	4.42395027	1.069711453
1.554136092	0.579848824	8.825769334	6.625925717	6.647270717	6.604580717	1.006463696
2.066086976	0.730624747	12.06563288	6.209842928	6.269532928	6.150152928	1.019410899
1.398812414	0.491716461	7.232732066	6.788314011	6.834739011	6.741889011	1.013772105
1.94835694	0.825601516	15.85465965	5.077212161	5.120047161	5.034377161	1.017017001
1.262923628	0.293558885	4.826483597	6.332253224	6.508370724	6.156135724	1.0572169
2.563068252	1.473218447	20.69743599	6.927940054	6.933360054	6.922520054	1.001565904
1.406255523	0.485606676	7.06576057	6.918071101	6.986321101	6.849821101	1.019927528
1.541071705	0.674106273	8.584242928	8.06917858	8.11508108	8.02327608	1.011442333
1.381862977	0.685699187	7.2295533	9.427276813	9.479081813	9.375471813	1.011051177
1.254444816	0.394317754	4.627229502	8.423760271	8.431903604	8.415616938	1.001935291
1.362957822	0.385205712	6.877713615	5.652665354	5.653285354	5.652045354	1.00021939
1.66992476	0.972167736	12.16507631	7.916750349	7.986401599	7.847099099	1.017752102
1.558243752	0.677067062	9.769319002	7.009515952	7.175150952	6.843880952	1.048403823
1.939507734	0.841775206	10.28300892	7.725404591	7.777354591	7.673454591	1.013540186
1.263783705	0.243443455	4.320079182	5.656852274	5.658232274	5.655472274	1.000488023
1.189485423	0.160083696	3.836073273	4.133318471	4.181373471	4.085263471	1.023526022
1.891717818	0.866050412	10.88666464	7.658761319	7.851540319	7.465982319	1.051641965
1.381653469	0.744974741	7.334400289	9.663121134	9.692121134	9.634121134	1.006020269
1.33586238	0.161276574	4.183752734	3.702105404	3.798665404	3.605545404	1.053561938

1.39189995	0.307414795	5.792900736	5.805926617	5.931071617	5.680781617	1.044059078
1.278902875	0.269840303	5.867054472	4.848806743	5.209645076	4.487968409	1.160802528
1.278702252	0.366857241	7.557505694	4.649335531	4.683390531	4.615280531	1.014757499
2.426619983	1.021027806	15.35297057	6.636348558	6.856498558	6.416198558	1.068623188
1.858292567	0.838939345	11.70354319	7.032311807	7.283221807	6.781401807	1.073999449
1.198772068	0.176123432	3.613159203	4.803516357	4.816623857	4.790408857	1.005472393
1.489234526	0.61905788	9.093575863	6.860030583	7.147065583	6.572995583	1.087337652
2.538545006	1.510589417	17.22428135	8.169387663	8.187010163	8.151765163	1.004323603
1.395264642	0.392594267	6.252229959	6.135127991	6.170645491	6.099610491	1.011645826
1.686160898	0.684744108	11.39797452	5.588298146	5.629649813	5.546946479	1.014909705
1.282904459	0.446960221	4.78303047	9.365901309	9.398291309	9.333511309	1.006940582
1.580502952	0.478260316	8.899363637	5.5677593	5.7606543	5.3748643	1.071776696
2.101974707	0.879594797	16.21579805	5.159002283	5.191422283	5.126582283	1.012647802
1.792084072	0.89002792	12.164098	7.430396169	7.512176169	7.348616169	1.022257252
2.252732533	1.1741994	16.959194	7.260671743	7.289721743	7.231621743	1.008034159
1.796381635	0.69865221	12.42457532	5.617781825	5.658176825	5.577386825	1.014485278
1.427445576	0.345367189	7.4144957	4.599885203	4.667450203	4.532320203	1.029814751
3.253924527	2.018702563	30.17756552	6.439977669	6.477582669	6.402372669	1.011747207
1.213778743	0.197032345	3.894364257	5.059840066	5.078186316	5.041493816	1.007278101
1.979558307	1.078253859	19.13737244	5.278387727	5.426807727	5.129967727	1.057863912
2.030029539	0.721867021	14.89027443	4.947985346	5.138090346	4.757880346	1.079911636
1.572786191	0.716119979	9.155152579	8.172331873	8.331556873	8.013106873	1.03974114
2.210044075	0.777772006	13.51624559	5.610541562	5.691141562	5.529941562	1.029150398
1.751804425	0.498288085	11.91390533	4.073172436	4.101149936	4.045194936	1.013832461
1.46764275	0.610236534	7.967545623	7.963882585	8.039782585	7.887982585	1.019244464
1.348966407	0.372525207	7.576628745	4.921621615	4.952641615	4.890601615	1.012685556
4.1611214	1.589991566	31.63743779	5.215267803	5.445367803	4.985167803	1.092313843
1.666373259	0.799110924	10.99874112	7.28488071	7.41597071	7.15379071	1.036649101
1.413604383	0.58542116	7.821662287	7.594935112	7.609905112	7.579965112	1.003949886
1.247922423	0.33938697	4.900820585	6.851968623	6.883583623	6.820353623	1.00927078
1.219922264	0.210273694	4.628371737	4.505690055	4.515917555	4.495462555	1.004550144
1.306971904	0.421601433	5.67633101	7.33224721	7.38206721	7.28242721	1.013682251
1.765801459	0.749345791	10.24219087	7.41064869	7.57772869	7.24356869	1.046131957
1.931560277	0.751336384	14.88178189	4.951107466	5.020116216	4.882098716	1.028270117
1.33687757	0.616387057	7.78036932	8.089837392	8.184107392	7.995567392	1.023580565
1.33013124	0.468037837	6.761474444	6.761423408	6.931848408	6.590998408	1.051714472
1.327367045	0.377824559	4.982582189	7.568155377	7.624546627	7.511764127	1.015014116
1.70541823	0.784450554	9.817987076	8.357643125	8.436788125	8.278498125	1.019120618
1.281646166	0.329521976	5.093806497	6.568987115	6.669747115	6.468227115	1.031155369
1.34348906	0.480860204	5.50236234	8.912144765	8.961737765	8.862551765	1.011191585
1.876386202	0.561336387	11.8279315	4.590926311	4.705061311	4.476791311	1.050989645
1.451160305	0.517639937	8.475084039	6.127957295	6.174269795	6.081644795	1.015230255
2.135974499	1.258569158	14.23630911	9.177001108	9.469636108	8.884366108	1.065876394
2.068802645	0.855142508	15.78257714	5.681792605	5.897297605	5.466287605	1.07884876
1.450698417	0.477135433	7.981161341	6.187350056	6.282455056	6.092245056	1.031221659
1.356637283	0.387650479	6.648566609	5.808878943	5.859938943	5.757818943	1.017735882
1.417341917	0.197353536	5.228021989	3.567160686	3.587855686	3.546465686	1.011670774

1.193100377	0.103884868	2.782098562	3.883752979	3.900622979	3.866882979	1.008725374
1.226630883	0.232368793	4.377076602	5.398583645	5.533743645	5.263423645	1.051358207
1.329559514	0.279087136	5.254693106	5.229368019	5.306773019	5.151963019	1.030048741
1.26837928	0.234125506	4.143931793	5.680073616	5.693868616	5.666278616	1.004869157
1.319064719	0.590135298	6.829591449	8.769890136	8.896210136	8.643570136	1.029228663
1.842627784	0.716916295	12.62790399	5.746173499	5.847953499	5.644393499	1.036064105
2.68290007	1.083600543	15.01932054	7.393974142	7.523654142	7.264294142	1.0357034
1.849114868	0.885584509	14.70956509	6.249093789	6.444333789	6.053853789	1.064501062
1.501196316	0.566623809	8.519077436	6.648916284	6.795806284	6.502026284	1.045182838
1.605009739	0.653854023	8.975886371	7.432327992	7.453957992	7.410697992	1.005837507
1.56854691	0.540375359	8.177501213	6.854835511	6.972608011	6.737063011	1.034962564
1.312209811	0.245626897	5.417035823	4.531972945	4.733217945	4.330727945	1.092938186
1.516282716	0.505868082	7.58910167	6.945252896	6.995601646	6.894904146	1.014604627
1.890129833	0.743495884	11.06424114	6.492146039	6.725066039	6.259226039	1.074424537
2.054538427	0.877066021	15.48092629	5.494327784	5.514722784	5.473932784	1.007451681
1.472051034	0.49599535	7.402585851	6.808344319	6.964834319	6.651854319	1.047051542
1.233708824	0.252220849	4.858110992	5.222400981	5.293089314	5.151712648	1.027442654
1.542842782	0.590091164	9.505671593	5.985480063	6.182620063	5.788340063	1.068116247
1.214702489	0.252036583	4.181770173	5.91548555	6.04459055	5.78638055	1.04462375
1.606311204	0.546038102	10.3577799	5.065987369	5.150322369	4.981652369	1.033858244
1.502415963	0.337957177	8.899036721	3.957502744	3.971947744	3.943057744	1.007326801
1.587632952	0.501807109	10.33934266	5.095675737	5.140115737	5.051235737	1.017595694
1.453504869	0.525183681	8.34011545	6.420649665	6.501739665	6.339559665	1.025582218
1.40202083	0.391704173	6.710719691	6.078591993	6.119736993	6.037446993	1.013629933
1.39021324	0.390641494	7.338774381	5.314622934	5.427277934	5.201967934	1.043312455
1.436272579	0.546888063	8.118804556	6.849492077	6.859312077	6.839672077	1.002871483
1.586467119	0.519276473	9.861080318	5.477869347	5.483134347	5.472604347	1.00192413
1.327538691	0.314460244	4.996282317	6.556785771	6.635398271	6.478173271	1.024269959
1.531322263	0.651922368	8.338367009	7.747428733	7.887808733	7.607048733	1.036907875
1.465664667	0.438849287	6.916415856	6.213220415	6.483820415	5.942620415	1.091070935
1.83147244	0.917266085	12.55140404	7.294666611	7.329046611	7.260286611	1.0094707
1.350996417	0.363781285	6.458869402	5.79804501	5.87770751	5.71838251	1.0278619
1.228171231	0.404425002	4.886462444	8.322837182	8.385340515	8.260333848	1.015133367
2.475549961	1.069303716	19.69471112	5.093185683	5.154050683	5.032320683	1.024189635
1.629170687	0.452618974	8.490752121	5.586090377	5.596800377	5.575380377	1.00384189
1.483274343	0.38641977	6.994445316	5.672098255	5.678693255	5.665503255	1.002328125
1.329850749	0.396061117	5.535226969	7.264734457	7.328039457	7.201429457	1.017581232
2.277576085	1.016099284	15.99052176	6.966821703	7.247471703	6.686171703	1.083949385
1.85547111	0.692163348	11.21299172	6.330330623	6.357710623	6.302950623	1.008687994
2.071333654	0.904418864	12.62847528	7.249180447	7.379045447	7.119315447	1.03648244
1.332474325	0.302564679	5.350846477	5.686724162	5.690724162	5.682724162	1.001407776
1.53330584	0.522366386	7.975300772	6.234235538	6.371390538	6.097080538	1.044990385
1.476242813	0.519704113	8.780945457	6.023473237	6.023669904	6.023276571	1.000065302
1.647933295	0.566348133	9.947566741	5.797941672	5.864754172	5.731129172	1.02331565
4.127774872	1.426643603	22.65819392	6.797359625	7.136634625	6.458084625	1.105069853
1.316540867	0.393853822	5.677610933	6.893576427	6.99079976	6.796353093	1.028610442
1.541287727	0.808904203	10.25223703	7.62810309	7.69770809	7.55849809	1.01841768

1.51939325	0.425588849	9.373162874	4.58599006	4.62776506	4.54421506	1.018386014
1.752986493	0.739910589	11.11663112	6.505026462	6.600406462	6.409646462	1.029761392
1.351472561	0.330702774	6.81699899	4.913879305	4.962334305	4.865424305	1.019918098
1.489769636	0.405000148	6.804419452	6.45247938	6.48335438	6.42160438	1.009615977
1.242518225	0.301886735	4.732831572	6.392477611	6.454560111	6.330395111	1.0196141
1.30737502	0.319524352	5.463284127	5.940828001	6.004650001	5.877006001	1.021719222
2.482689859	1.286903539	22.44750069	6.741803857	6.805278857	6.678328857	1.019009247
1.468484004	0.569426433	7.720996529	7.190437704	7.428918954	6.951956454	1.068608384
3.264390321	1.358675347	21.01008225	6.523647693	6.682320193	6.364975193	1.04985801
1.845170386	1.170817614	13.79321053	7.892702526	7.976090026	7.809315026	1.021355906
1.249602419	0.292910307	3.936513839	7.331444503	7.370119503	7.292769503	1.010606396
1.927665573	1.198436449	15.38756979	8.021574213	8.063289213	7.979859213	1.010455072
1.714804808	0.965270938	13.4983199	6.702254379	6.979459379	6.425049379	1.086288831
1.569928595	0.577739069	8.696368524	6.686303692	6.737503692	6.635103692	1.015433067
1.235644458	0.3209763	4.818266763	7.046994613	7.173514613	6.920474613	1.036563966
1.378444465	0.649680012	6.9491341	10.09440974	10.22566974	9.963149739	1.026349097
1.718821783	0.9699565	11.68525412	7.482615966	7.533981591	7.431250341	1.013824221
1.491609379	0.524279751	10.33930991	4.868480592	4.889958092	4.847003092	1.008862177
3.222894471	2.065299254	28.56362671	7.014656486	7.061936486	6.967376486	1.013571823
2.523003933	1.298824903	18.10946124	6.858543049	7.070023049	6.647063049	1.06363111
1.931105978	0.612408697	13.6234322	6.504012983	6.659552983	6.348472983	1.04900076
1.319948822	0.366017511	5.264750148	7.028258235	7.028258235	7.028258235	1
1.370962471	0.443343043	6.102228803	7.103748457	7.207728457	6.999768457	1.029709554
1.413107781	0.571186789	7.051531946	7.686994017	7.698591517	7.675396517	1.003021994
1.344730576	0.635000839	6.877366351	9.509443324	9.513838324	9.505048324	1.000924772
1.333742449	0.362023784	5.141970511	7.352507676	7.361487676	7.343527676	1.002445691
2.354429218	1.158671527	21.5636156	5.540631874	5.548008124	5.533255624	1.002666152
1.461193504	0.587037997	7.183727446	8.013381913	8.107331913	7.919431913	1.023726449
1.846949622	0.701497253	13.5962573	5.33527735	5.60447235	5.06608235	1.10627344
1.34907968	0.59541667	6.006940896	9.818447388	9.996592388	9.640302388	1.036958384
1.789525349	0.687966911	10.70081314	6.276965605	6.294618105	6.259313105	1.005640395
1.406425494	0.614910844	8.556000042	7.30836526	7.508766927	7.107963594	1.056387927
1.45669988	0.623520975	7.668105036	8.306398977	8.44779731	8.165000643	1.034635229
2.24669536	0.767166912	11.69420138	6.955194364	7.061284364	6.849104364	1.030979233
1.63238177	0.837261717	12.47761975	6.124452832	6.258010332	5.990895332	1.044586825
4.569602558	1.791303357	25.86572665	6.662182045	6.790407045	6.533957045	1.039248804
1.502048357	0.767596765	9.872339976	7.549552857	7.590586191	7.508519524	1.010929807
1.829889214	0.611808071	10.98416001	5.56226644	5.72644144	5.39809144	1.060827054
1.836670225	0.546001245	9.678335494	5.659126604	5.732056604	5.586196604	1.026110789
1.462063335	0.763645598	8.876418191	8.64358071	8.67648071	8.61068071	1.007641672
2.602733275	1.138501299	24.42856692	4.241893089	4.251913089	4.231873089	1.004735492
1.18012073	0.283048079	4.063780726	7.111779305	7.208644305	7.014914305	1.027616873
2.122078887	1.163006252	17.8636905	7.268907068	7.434368735	7.103445402	1.046586313
2.154472705	0.973989509	14.85419022	6.735977777	6.829632777	6.642322777	1.028199473
1.324980522	0.341686624	5.173883505	6.715880276	6.821622776	6.610137776	1.031994038
1.242652668	0.110831751	3.430236125	3.281480057	3.300200057	3.262760057	1.011474947
2.007193561	0.794188255	15.01393533	5.330493627	5.334910294	5.326076961	1.001658507

1.378424168	0.502227139	7.500239805	6.991582117	7.176352117	6.806812117	1.054289731
1.199228292	0.220286755	3.594422329	6.145906298	6.175711298	6.116101298	1.009746405
1.461463258	0.58543584	7.611275153	7.644450107	7.741185107	7.547715107	1.025632923
1.354807428	0.37286268	6.470182463	5.787077004	5.806621004	5.767533004	1.006777248
1.583402446	0.514727236	9.987106487	4.974205831	4.975815831	4.972595831	1.000647549
1.337168225	0.477784119	6.422034032	7.47647326	7.68008326	7.27286326	1.055991703
1.289561373	0.4086219	4.182751107	9.62343406	9.68493906	9.56192906	1.012864559
1.417531628	0.368564121	6.021896717	6.030386047	6.099327714	5.961444381	1.023129182
1.374399353	0.317346961	6.434382183	4.864243008	4.935284258	4.793201758	1.029642504
1.189323541	0.245538704	3.485826602	7.090987065	7.143399565	7.038574565	1.01489293
1.408117155	0.171592079	4.75796849	3.567551947	3.610731947	3.524371947	1.024503657
1.415661874	0.503399507	9.152453758	5.623303877	5.668873877	5.577733877	1.016339969
1.443936196	0.523562186	7.49882951	6.978294867	7.116019867	6.840569867	1.040267113
1.330957847	0.714061429	7.378395948	9.684620453	9.725375453	9.643865453	1.008452005
2.162868566	1.186171091	21.34375474	5.669558478	5.688136812	5.650980145	1.006575261
1.607452617	0.586189989	8.924680531	6.810399268	6.897744268	6.723054268	1.025983726
1.48974715	0.622976248	7.434137783	8.512126509	8.634796509	8.389456509	1.029243849
2.053543093	1.039828918	16.96484528	6.04821771	6.14901521	5.94742021	1.033896209
1.243859304	0.306465889	5.340553216	5.852577508	5.853980842	5.851174175	1.000479676
1.531089114	0.595445728	8.565296976	6.979185637	7.10843397	6.849937303	1.037737085
1.736665721	0.732627775	10.58242655	6.905928257	6.914808257	6.897048257	1.002575015
1.267414482	0.292459919	5.715167608	5.048536835	5.116806835	4.980266835	1.027416202
2.500225972	1.074869478	22.18353948	4.736955842	4.795340842	4.678570842	1.024958476
1.272722229	0.235946151	4.979270461	5.351039476	5.409224476	5.292854476	1.021986246
1.4328871	0.442005995	7.444096001	5.979322199	6.090260532	5.868383865	1.03780882
2.23321755	1.42798989	21.88855866	6.224719009	6.440289009	6.009149009	1.071747264
1.883335248	0.68887265	10.93752008	6.25968384	6.45068384	6.06868384	1.062946103
2.044049719	0.875982753	15.48477438	5.651841609	5.754921609	5.548761609	1.037154236
1.487267496	0.582476633	8.634228155	6.90504972	6.96238972	6.84770972	1.016747205
1.73522982	0.773392737	11.12466296	6.984504737	7.050682237	6.918327237	1.01913107
1.556977002	0.569055331	10.51974848	5.352496525	5.357361525	5.347631525	1.001819497
1.273898717	0.277820013	5.389200962	5.122833398	5.183068398	5.062598398	1.023796081
2.070733579	0.667396649	12.04677451	5.568058165	5.668943165	5.467173165	1.036905727
1.297797574	0.298108139	5.125551622	6.014998393	6.262105893	5.767890893	1.085683833
1.407693472	0.612463801	7.859922707	7.856305844	7.954930844	7.757680844	1.025426413
1.402165943	0.571019734	9.777604049	5.645016451	5.800086451	5.489946451	1.056492354
1.436085222	0.487930019	7.791151439	6.045315965	6.084298965	6.006332965	1.012980632
1.791944865	0.987616213	12.7245322	7.318397641	7.505832641	7.130962641	1.05256934
1.413739097	0.433576203	8.223407969	5.165081232	5.340716232	4.989446232	1.070402603
1.478164971	0.634761701	8.398989584	7.614121739	7.672039239	7.556204239	1.015329787
1.375839728	0.427971913	6.297469025	6.874730501	7.011700501	6.737760501	1.040657426
2.239381118	1.242140467	20.66008741	5.74406967	5.78199967	5.70613967	1.013294452
1.226626356	0.188373183	4.239341082	4.200189377	4.308634377	4.091744377	1.053006733
1.327591131	0.450586068	6.049220301	7.316785545	7.483470545	7.150100545	1.046624519
1.82611196	0.605613989	8.190304741	7.387462645	7.434877645	7.340047645	1.012919535
1.808066081	0.63295894	10.17898456	6.141540926	6.151530926	6.131550926	1.003258556
1.626602271	0.711294573	10.57805256	6.851150405	6.963242905	6.739057905	1.033266519

1.670426496	0.674625553	9.766390635	7.016894031	7.075039031	6.958749031	1.016711337
1.189420392	0.296312459	3.885638459	7.527923453	7.562800953	7.493045953	1.009309298
1.529739114	0.694628128	9.265171851	7.787876309	8.016056309	7.559696309	1.060367504
1.390760914	0.511370988	7.7051953	6.809212265	6.969807265	6.648617265	1.048309293
1.301401591	0.241923582	4.221248572	5.951709277	6.003794277	5.899624277	1.017657057
1.588883877	0.637456166	8.504649475	7.364828152	7.510378152	7.219278152	1.040322591
1.609644843	0.656637583	10.21361572	6.567498013	6.593198013	6.541798013	1.007857167
1.433167919	0.543107437	8.385377732	6.478240415	6.497210415	6.459270415	1.005873728
1.567077788	0.42028994	9.476442963	4.318052303	4.351314803	4.284789803	1.015525849
2.717967481	1.66967195	31.17903551	5.619288239	6.325453239	4.913123239	1.287460731
3.616405128	1.377755769	31.01921925	4.637890692	5.183715692	4.092065692	1.266772355
1.669614709	0.729277722	10.5052275	7.121198212	7.301240712	6.941155712	1.051876808
1.130084919	0.13725989	2.88720987	4.565426255	4.638096255	4.492756255	1.032349852
1.951328884	0.952066057	14.36207888	6.70448489	6.74942739	6.65954239	1.013497174
1.481569719	0.570311188	8.255017217	7.080570234	7.233436234	6.927704234	1.044131792
1.584039908	0.635329241	10.00688931	6.018948376	6.031888376	6.006008376	1.004309018
1.892809563	0.830900774	11.50330389	7.268195949	7.322855949	7.213535949	1.015154842
1.371290495	0.404844982	6.977000728	5.44733615	5.48238115	5.41229115	1.012950153
1.541970661	0.562688101	8.945220175	6.132900678	6.196485678	6.069315678	1.020952939
1.359256455	0.552048312	8.300187393	6.597843865	6.790943865	6.404743865	1.060299055
1.290394714	0.389875722	6.416817261	6.119907395	6.169279895	6.070534895	1.016266277
2.658837228	1.02407149	19.6891865	4.915696952	5.010456952	4.820936952	1.03931186
1.476000403	0.500076991	10.30457312	4.831796745	4.977216745	4.686376745	1.062060738
2.43471653	1.236242544	19.40622041	6.346410277	6.412202777	6.280617777	1.020950964
2.955043754	1.16185023	14.81768814	7.572410108	7.914745108	7.230075108	1.094697495
2.391197028	1.242033146	19.90516115	5.998059109	6.079286609	5.916831609	1.027456418
1.433209124	0.500670778	10.6366688	4.724816384	4.801836384	4.647796384	1.033142588
1.220379385	0.172643947	4.197312504	4.07512956	4.13478456	4.01547456	1.029712553
7.523462953	2.297951301	27.85872643	8.52127414	8.80816914	8.23437914	1.069682242
2.580314524	1.29027907	25.65831409	4.730915303	4.732085303	4.729745303	1.000494741
1.529658241	0.325741607	8.284343179	3.985553124	3.988153124	3.982953124	1.001305564
2.684386828	1.464236558	24.43100561	5.64066905	5.696402383	5.584935716	1.019958451
3.48613934	1.773000371	25.9476568	7.415551304	7.699346304	7.131756304	1.079586286
1.930194155	0.800427546	15.71704922	4.750196814	4.899681814	4.600711814	1.064983423
1.17340046	0.124479222	3.217340143	3.972969138	4.039699138	3.906239138	1.034165855
4.217632436	1.313240553	18.366798	6.993678966	7.202863966	6.784493966	1.061665616
1.476584254	0.439181031	7.414119436	6.061104437	6.178024437	5.944184437	1.039339291
1.716776717	0.701336415	14.84942044	4.807637428	4.813304928	4.801969928	1.00236049
1.219837944	0.237109868	4.092988589	5.780693182	5.884303182	5.677083182	1.036501139
1.797084722	1.048345951	11.10895807	9.469943051	9.506428051	9.433458051	1.007735233
1.255967441	0.380538751	5.371757289	7.367966711	7.509371711	7.226561711	1.039134793
2.749879876	1.656967729	22.77172779	7.479778951	7.675263951	7.284293951	1.053673012
1.497518318	0.762481325	9.014160307	8.757067136	8.862354636	8.651779636	1.024338923
1.654053142	0.628338138	9.684350793	6.631885155	6.785875155	6.477895155	1.047543221
1.691950186	0.714148776	12.17530442	5.772352919	5.935502919	5.609202919	1.058172258
1.55157569	0.682927895	10.0090757	6.338646164	6.451986164	6.225306164	1.036412667
1.493122912	0.568788259	8.237248866	6.869165807	6.98921914	6.749112474	1.035576036

2.728818414	1.097931467	21.48479608	5.559039958	5.905009958	5.213069958	1.132731769
1.601349167	0.458544771	10.1732743	4.342644937	4.381814937	4.303474937	1.018203894
3.503669771	1.75056081	32.12942723	5.072285849	5.134755849	5.009815849	1.02493904
2.17840724	0.674803054	11.11506679	6.156381298	6.240836298	6.071926298	1.02781819
1.298207967	0.312940223	4.804117074	6.651611259	6.655389592	6.647832926	1.001136711
2.46967142	1.120505768	24.06846619	4.750092876	4.929602876	4.570582876	1.078550156
1.219001599	0.237881335	4.2682186	5.695143787	5.747470454	5.64281712	1.018546292
1.242998528	0.270824123	6.059477622	4.413253746	4.545728746	4.280778746	1.061892944
1.181369289	0.208328011	4.2478534	4.994250652	5.033720652	4.954780652	1.015932088
1.27750064	0.327724332	5.334702029	6.119388036	6.119558036	6.119218036	1.000055563
1.249528396	0.404465002	4.921491123	8.202018638	8.271403638	8.132633638	1.017063353
1.349939382	0.312182378	5.739548365	5.189368628	5.325683628	5.053053628	1.053953514
1.836553767	0.673148196	10.41054963	6.359589538	6.483409538	6.235769538	1.039712821
1.488100112	0.654095141	8.389885456	7.912581091	8.000221091	7.824941091	1.022400169
1.431372504	0.515730842	7.487979809	7.204232674	7.574187674	6.834277674	1.10826455
1.561860127	0.529990261	8.680335946	6.137672667	6.192635167	6.082710167	1.018071714
1.332446176	0.416606344	6.478456042	6.574866534	6.669806534	6.479926534	1.029302801
1.33434189	0.389530491	5.382979108	7.14706287	7.17473787	7.11938787	1.007774545
1.535599251	0.649703344	9.220606353	7.288372652	7.449612652	7.127132652	1.045246808
1.398605606	0.348048651	6.837010916	5.100017676	5.164012676	5.036022676	1.025414897
1.982814693	1.062732173	12.55778411	7.945165549	8.271010549	7.619320549	1.085531249
2.016910528	1.044148186	16.66951325	6.72505935	6.85546435	6.59465435	1.039548699
1.520300477	0.434518224	6.984939783	5.850803592	5.927248592	5.774358592	1.0264774
1.213869275	0.270087478	4.844809111	5.483210041	5.537265041	5.429155041	1.019912859
1.570112245	0.734521709	9.382180401	7.879854194	8.129519194	7.630189194	1.065441366
1.23998831	0.28699661	6.487329194	4.485723115	4.540028115	4.431418115	1.024509084
2.22834867	1.157671303	18.55046524	6.644947466	6.782417466	6.507477466	1.042249858
1.731054144	0.656531984	14.28262917	4.730786821	4.773726821	4.687846821	1.018319711
1.623000293	0.688270605	9.784779889	6.911124862	6.937136862	6.885112862	1.007556013
1.365143907	0.382328276	6.576987986	6.085921784	6.096210534	6.075633034	1.00338689
2.10973201	1.014404224	18.43180924	5.203533253	5.244333253	5.162733253	1.015805581
1.341902479	0.466736098	7.024175513	6.960377665	6.969027665	6.951727665	1.00248859
1.380745304	0.421861159	6.583136415	6.476391038	6.511757704	6.441024371	1.01098169
1.590650077	0.675892163	9.904665762	6.805121525	6.945696525	6.664546525	1.042185916
1.225612869	0.35096064	6.441356964	5.215371996	5.249966996	5.180776996	1.01335514
2.671972835	1.548130068	30.15065132	5.319390264	5.331425264	5.307355264	1.004535216
2.899500202	1.024542824	17.85026425	5.81393332	5.91325707	5.71460957	1.034761342
1.831562102	0.819847028	10.47169717	7.79206731	7.95220731	7.63192731	1.041965809
1.426506402	0.231469087	5.990733851	4.128922615	4.231682615	4.026162615	1.051046125
1.391126157	0.379870002	6.35990047	6.027353844	6.077998844	5.976708844	1.016947454
1.36894937	0.601459957	7.616505799	7.319432627	7.482562627	7.156302627	1.045590582
1.545980385	0.568421873	9.418544044	5.912838682	5.944013682	5.881663682	1.010600742
1.243730504	0.189482846	4.565138629	4.15808475	4.24776975	4.06839975	1.044088588
1.499071308	0.431744661	7.089270088	6.287519166	6.383045416	6.191992916	1.030854767
1.181960775	0.142079809	3.307367092	5.18204067	5.31043567	5.05364567	1.050812822
1.349006963	0.385503992	5.871847526	6.497186275	6.588052525	6.406320025	1.02836769
2.220694819	1.221876549	19.74576583	5.971304469	6.100999469	5.841609469	1.044403858

1.354677027	0.447108821	6.645983714	6.675212383	6.704877383	6.645547383	1.008927782
1.725409121	0.633540695	10.60847381	6.296008914	6.312996414	6.279021414	1.005410875
1.874077055	0.844678283	14.47374398	6.001614287	6.346736787	5.656491787	1.122027049
1.443957938	0.578382039	7.74003063	7.578256501	7.753499001	7.403014001	1.047343555
1.167638876	0.257764178	4.234263788	6.163167907	6.275472907	6.050862907	1.037120325
2.519922922	0.827529001	21.83404985	3.739237822	3.776747822	3.701727822	1.020266212
1.324731115	0.310662751	5.896373407	5.443160203	5.625680203	5.260640203	1.069390794
1.683812541	0.564225839	10.45074836	5.871245964	6.004185964	5.738305964	1.046334232
1.437166083	0.450431232	8.408573291	5.340147772	5.414377772	5.265917772	1.028192616
1.360124544	0.442638329	6.779988258	6.498976262	6.581731262	6.416221262	1.025795557
1.374489715	0.428366542	7.162272967	6.2843051	6.3425876	6.2260226	1.018722226
2.039601125	1.043085672	13.34818432	7.836097653	8.130547653	7.541647653	1.078086385
1.205920281	0.161873013	4.228792027	3.779301516	3.818296516	3.740306516	1.020851232
1.448418423	0.379861141	7.421124105	5.071813326	5.077963326	5.065663326	1.002428112
1.425883427	0.376553792	6.867884176	5.931740972	6.067125972	5.796355972	1.046713832
1.516576682	0.54870229	7.556477005	7.088343639	7.480253639	6.696433639	1.117050365
1.66524243	0.620217294	12.51411643	5.007847215	5.115254715	4.900439715	1.043835862
1.397711097	0.302521026	7.430724355	4.098683441	4.126573441	4.070793441	1.013702488
1.904236216	0.917601459	15.40586347	5.733552887	5.760942887	5.706162887	1.009600147
1.467404356	0.504261831	6.858492992	6.809467709	6.860231043	6.758704376	1.015021617
1.264902447	0.412082709	5.149137942	8.022948931	8.044918931	8.000978931	1.005491828
1.647214083	0.599252901	10.32042539	5.66689526	5.72329526	5.61049526	1.020105177
1.352324751	0.402828866	7.243424862	5.478518814	5.607838814	5.349198814	1.048351166
1.494198032	0.43798601	9.71747465	4.474002712	4.486012712	4.461992712	1.005383245
1.453642238	0.408591185	6.50174514	6.364513662	6.494331162	6.234696162	1.041643569
2.094110727	0.865276299	13.66845157	6.38694777	6.63440277	6.13949277	1.080610894
1.3717229	0.381799865	7.837585145	5.358290918	5.526293418	5.190288418	1.06473725
1.880235367	0.902774952	13.54156714	7.103421228	7.123846228	7.082996228	1.005767333
1.325307684	0.408576062	5.697561565	7.234823608	7.300978608	7.168668608	1.018456705
1.755584695	0.540641193	10.58073243	5.14802408	5.280120747	5.015927413	1.052670884
2.054403814	0.564687268	13.95316099	5.058050642	5.112500642	5.003600642	1.021764327
1.64921172	0.625200141	9.560606474	6.736098979	6.755483979	6.716713979	1.005772168
2.420753937	1.375761075	17.14503632	7.340356893	7.430961893	7.249751893	1.024995338
1.437937064	0.596293757	7.623509276	8.034477224	8.138853891	7.930100557	1.026324172
1.466841445	0.356765676	7.809069093	4.638421834	4.653177834	4.623665834	1.006382814
1.301405287	0.337827675	5.472222211	6.099390835	6.254555835	5.944225835	1.052206967
1.455821868	0.68916397	7.741463917	8.871489907	8.996729907	8.746249907	1.02863856
1.414310203	0.379160168	7.006636654	5.340251783	5.437911783	5.242591783	1.037256382
1.8555988	0.599880431	13.65154506	4.303355597	4.31997393	4.286737264	1.007753372
1.365829429	0.47627781	6.479392253	7.269615714	7.355790714	7.183440714	1.023992681
1.271923499	0.399731717	5.703158349	6.918472579	7.082892579	6.754052579	1.048687806
1.399711518	0.402616114	6.224540748	6.885681066	6.984176066	6.787186066	1.02902381
1.410592282	0.462106581	7.825347095	5.875677755	5.953887755	5.797467755	1.026980745
1.431265522	0.41037478	6.249853838	6.726920342	6.953158676	6.500682009	1.069604492
1.674513746	0.661956098	10.67821957	6.140517769	6.258856769	6.022178769	1.039301058
1.463321336	0.485773074	8.254350132	6.057564367	6.357311867	5.757816867	1.104118456
1.545626221	0.633376987	8.301997619	8.287654135	8.359689135	8.215619135	1.01753611

1.369540658	0.403091849	6.980642954	5.841864445	5.924964445	5.758764445	1.028860357
1.840847466	0.49220599	11.92359673	4.207648551	4.423461051	3.991836051	1.108126936
1.770859534	0.673733247	14.98457644	4.315506226	4.320281226	4.310731226	1.002215401
1.66130617	0.680040759	10.00542466	6.787674875	6.874294875	6.701054875	1.025852646
1.608560577	0.618961331	8.986049013	7.207897947	7.361117947	7.054677947	1.043437844
1.539738292	0.559424444	10.04771555	6.114828584	6.274663584	5.954993584	1.053680998
1.747686393	0.731983903	10.87925715	6.993446927	7.010081927	6.976811927	1.004768654
1.338106876	0.369040518	6.321828205	5.985700763	6.034050763	5.937350763	1.016286725
1.949683573	1.088387014	11.23509098	8.917213088	9.107599755	8.726826422	1.043632509
1.776125255	0.752094181	13.39817162	5.257306408	5.340288908	5.174323908	1.032074722
1.22058733	0.38101928	4.754451238	8.047312062	8.314562062	7.780062062	1.068701251
1.170432318	0.105299171	2.841268993	4.43666709	4.55241209	4.32092209	1.053574213
1.220593252	0.206332099	4.294599135	5.06660071	5.12497321	5.00822821	1.023310639
1.256631876	0.261321485	4.19624898	6.132111469	6.192725469	6.071497469	1.019966738
2.584627196	1.182676318	15.81848671	7.178070074	7.560660074	6.795480074	1.112601316
1.516677616	0.587588617	7.878885535	7.825033187	7.966273187	7.683793187	1.036763093
1.314584388	0.472443679	5.950897667	7.770347205	7.793277205	7.747417205	1.005919392
1.592363117	0.607857927	8.291061705	7.160406681	7.245146681	7.075666681	1.023952513
1.194654047	0.123387913	2.755325373	4.417442649	4.443218482	4.391666815	1.01173852
2.440491748	1.225421332	23.78815414	5.26103892	5.28165892	5.24041892	1.0078696
1.615905145	0.448164999	9.44416876	4.730961044	4.815691044	4.646231044	1.036472573
1.307503919	0.30643341	5.075728039	5.952061774	5.955856774	5.948266774	1.001276002
1.45605883	0.515761248	7.027320584	7.349054181	7.457689181	7.240419181	1.030007931
2.514684944	1.475558746	26.27419498	5.294477476	5.377592476	5.211362476	1.031897608
2.501204194	0.930055501	16.06858155	5.907672008	5.925642008	5.889702008	1.006102176
2.341999124	0.662696271	11.94109059	5.553710025	5.853255025	5.254165025	1.114021923
4.55803259	2.348420444	36.10364281	6.676344947	6.681259947	6.671429947	1.001473447
1.500502892	0.636067908	9.256448456	7.182075054	7.209822554	7.154327554	1.007756844
1.409879474	0.426616368	7.913283383	5.163323296	5.218823296	5.107823296	1.02173137
1.99449138	1.013946808	21.16221499	4.800175637	5.331873137	4.268478137	1.249127433
1.592161878	0.637431139	11.68654374	5.028939418	5.071894418	4.985984418	1.017230299
1.223077702	0.476965769	4.800969352	10.17565759	10.20443259	10.14688259	1.005671693
1.299501383	0.255983773	4.803834943	5.421847429	5.559392429	5.284302429	1.052057959
1.744919829	0.855994656	11.22991467	7.547013801	7.671958801	7.422068801	1.03366851
1.307860196	0.396344472	4.692307794	8.387153122	8.416201456	8.358104789	1.006950938
1.465742339	0.526335248	7.590341573	6.919530804	7.111135804	6.727925804	1.056958119
1.296315153	0.512818624	5.807093674	8.772684437	8.900969437	8.644399437	1.029680489
1.411154555	0.648496682	7.788360105	8.565300554	8.643880554	8.486720554	1.018518343
1.352652441	0.416394664	5.527787994	7.464046485	7.582123985	7.345968985	1.032147563
4.601433421	1.359687435	24.50602447	5.363534656	5.398500906	5.328568406	1.013124069
1.392248338	0.419423319	6.470665833	6.563973444	6.622748444	6.505198444	1.018070164
1.274043499	0.50619732	5.318666456	9.291942957	9.379387957	9.204497957	1.019000493
1.466702191	0.584560512	8.739088421	6.724464369	6.894014369	6.554914369	1.051732178
1.60567946	0.648189874	12.59662251	4.996241399	5.084286399	4.908196399	1.035876722
1.216641835	0.295094831	4.213224152	7.213582694	7.294060194	7.133105194	1.022564507
1.32926331	0.585032756	6.69626656	8.680170953	8.770530953	8.589810953	1.02103888
1.67877122	0.538524005	10.27862802	4.888029196	4.888029196	4.888029196	1

1.435574735	0.448590823	8.061750241	5.611184996	5.698269996	5.524099996	1.031529118
1.960253603	0.731938142	9.843693167	7.623440097	7.672015097	7.574865097	1.012825311
1.917667978	0.784513763	12.2348465	6.601945535	6.798690535	6.405200535	1.061432893
1.544065649	0.611119464	9.283845721	6.532866271	6.604061271	6.461671271	1.022036095
1.723851076	0.587678642	9.095742485	6.702048163	6.849393163	6.554703163	1.044958558
1.564920552	0.437382919	6.890114978	6.45099959	6.49468459	6.40731459	1.013635978
1.364430649	0.446055921	7.291773432	6.277245027	6.329700027	6.224790027	1.016853581
1.508611628	0.419262147	7.664787285	5.739796704	5.811266704	5.668326704	1.025217319
2.536325423	1.064633077	28.13437374	4.920835177	4.968055177	4.873615177	1.019377812
1.127765333	0.094402233	2.344273884	3.871886891	3.871886891	3.871886891	1
1.429954023	0.52137	8.8619745	5.858126241	5.936703741	5.779548741	1.027191569
1.320415662	0.176911318	4.355579694	4.080186094	4.092731094	4.067641094	1.006168194
1.922654664	0.882836618	15.95953579	5.14633548	5.59460798	4.69806298	1.190832904
1.723051164	0.438148464	9.9407104	5.203436652	5.465606652	4.941266652	1.106114492
1.274848989	0.288067544	4.566799781	6.206171066	6.249292733	6.163049399	1.013993614
1.15180485	0.180282057	3.470813621	5.706678189	5.792960189	5.620396189	1.030703174
1.416825642	0.528622916	7.225742198	7.587316366	7.601158866	7.573473866	1.003655522
1.784538828	0.833869261	12.25289044	7.493882721	7.639812721	7.347952721	1.039719907
2.151078388	1.011284387	13.62135024	7.320040934	7.542813434	7.097268434	1.062776969
1.420355983	0.53771159	7.636256272	6.964806112	7.156842779	6.772769446	1.056708461
1.682340104	0.742870387	12.33309236	6.04543038	6.11437288	5.97648788	1.023071242
3.077141823	1.209852867	13.80468017	8.246453498	8.291878498	8.201028498	1.011077879
1.567801797	0.65542878	10.06339831	6.753048958	6.968673958	6.537423958	1.06596635
1.92899905	0.836690044	10.79034981	8.402179803	8.502263136	8.30209647	1.024110376
1.598048235	0.596821491	9.538574964	6.457042348	6.592262348	6.321822348	1.042778804
1.664225539	0.606591587	9.46795144	6.526405782	6.684220782	6.368590782	1.049560415
1.548207514	0.651992267	12.09998187	5.460863533	5.5552052	5.366521867	1.035159334
2.116524091	1.280109282	18.14369781	7.350631793	7.433785127	7.26747846	1.022883682
1.132222055	0.093870637	2.272352177	4.157062257	4.230574757	4.083549757	1.036004214
1.169969935	0.11320566	2.771814517	4.146428937	4.179073937	4.113783937	1.015871033
1.159173942	0.132800304	3.06974459	4.29256129	4.33964129	4.24548129	1.022178875
1.273579236	0.362051939	5.780127395	6.35293716	6.35523216	6.35064216	1.000722762
1.648920883	0.658576544	10.06460419	6.460139382	6.850884382	6.069394382	1.12875914
1.285107294	0.313144802	4.61214761	6.903327382	6.983222382	6.823432382	1.023417833
1.694109679	0.733723136	10.40458642	7.11203178	7.14835678	7.07570678	1.010267526
1.421650372	0.728576912	8.990706769	8.391051029	8.560888529	8.221213529	1.041316893
1.37157411	0.473938738	7.444172701	6.233037173	6.342344673	6.123729673	1.035699649
1.512940003	0.479949164	6.460425014	7.389880701	7.401050701	7.378710701	1.003027629
1.363436382	0.426540172	6.536554087	6.365400375	6.521905375	6.208895375	1.050413154
2.229690159	0.858154128	12.3108087	7.117894207	7.321044207	6.914744207	1.0587585
1.335846207	0.427469242	7.0881489	6.108004157	6.154477907	6.061530407	1.015333999
1.564791454	0.620860772	9.056566444	6.683806899	6.923284399	6.444329399	1.07432193
1.35689618	0.427083708	6.226755215	6.713247196	6.787652196	6.638842196	1.022415053
1.360222068	0.358836856	7.693919531	4.577319518	4.612029518	4.542609518	1.015281965
1.219980199	0.240817324	5.606764174	4.854912029	4.944659529	4.765164529	1.037668164
1.263717828	0.174133197	4.032548105	4.305105281	4.372055281	4.238155281	1.031593934
1.393820974	0.269949462	6.30616268	5.160194029	5.615854029	4.704534029	1.193711002

1.256945806	0.201634707	4.983755042	3.897974718	3.910629718	3.885319718	1.006514264
1.80317334	0.581392972	11.77173008	5.117480251	5.182410251	5.052550251	1.025701872
1.442057907	0.320728187	6.127987451	5.352920347	5.414205347	5.291635347	1.023162972
1.771078315	0.671483304	10.72760823	5.769674479	5.905887812	5.633461145	1.048358666
3.92739419	1.691197458	34.65330106	4.361921842	4.601756842	4.122086842	1.116365816
1.560818718	0.593921392	8.09586403	7.196767138	7.207417138	7.186117138	1.002964049
1.451773405	0.616914521	7.961521053	8.1394874	8.1452574	8.1337174	1.001418785
1.713087772	0.665765589	11.71704608	5.645074953	5.690944953	5.599204953	1.016384469
1.276012035	0.321116206	4.543755764	6.716658437	6.862610937	6.570705937	1.044425211
1.508805258	0.792091145	9.982439036	8.034651031	8.136586031	7.932716031	1.025699899
1.401856649	0.662953592	7.003958488	9.15127157	9.27850157	9.02404157	1.028198008
1.434938981	0.480483674	7.916694939	6.018443961	6.040803961	5.996083961	1.007458201
1.198745181	0.174198508	3.831101473	4.435093691	4.495013691	4.375173691	1.027390913
2.308533226	0.872239684	18.10346542	4.616575324	4.685725324	4.547425324	1.030412814
1.395079704	0.70483608	7.889292147	8.816381582	9.042376582	8.590386582	1.052615793
1.19025361	0.330685924	3.814897848	8.660741801	8.707681801	8.613801801	1.010898788
1.170934844	0.171842133	3.667030299	4.709072654	4.736092654	4.682052654	1.011541946
1.470283251	0.525059184	7.325628049	7.205744874	7.305689874	7.105799874	1.028130542
1.252137412	0.206320538	4.912339169	4.197815859	4.241945859	4.153685859	1.021248598
1.468046331	0.442381525	9.253660563	4.877200597	5.137425597	4.616975597	1.112725309
1.904942542	0.925172959	12.07470012	7.637662091	7.691278758	7.584045424	1.014139332
2.775619955	1.072713789	23.06772024	4.309955232	4.384240232	4.235670232	1.035075913
1.445161574	0.692868376	8.285314376	8.444704528	8.723111194	8.166297861	1.068184304
1.40558897	0.455028151	7.970968395	5.607375043	5.710641043	5.504109043	1.037523239
1.380307716	0.430795148	7.241657371	5.903321603	5.985034936	5.82160827	1.028072426
1.455494779	0.417349027	8.221572786	4.955579493	4.960951993	4.950206993	1.002170616
1.51336165	0.478741777	8.454088474	5.927838347	6.057718347	5.797958347	1.044801978
3.023124602	1.46087569	23.54720984	5.766083623	5.812438623	5.719728623	1.016208811
1.497012874	0.607825087	8.616791522	6.957423974	6.97243261	6.942415338	1.004323751
1.195750239	0.136048266	3.606145964	3.825839965	3.860654965	3.791024965	1.018367064
1.362004822	0.282108439	5.368043776	5.329358893	5.432213893	5.226503893	1.039359006
1.493080958	0.405710614	9.013103058	4.617034841	4.632559841	4.601509841	1.006747785
1.340012599	0.408545683	5.552945657	7.547119622	7.568744622	7.525494622	1.005747131
4.269778496	2.196535289	44.06123154	6.384926008	6.419556008	6.350296008	1.010906578
1.259529329	0.215874037	3.96450332	5.452421053	5.519626053	5.385216053	1.024959073
1.31393665	0.330304462	5.762187803	5.970783767	6.037758767	5.903808767	1.022688743
1.846649169	0.788291964	11.91342234	6.818378148	6.919208148	6.717548148	1.030019882
3.221121292	1.066768862	14.60034469	7.500309892	7.787519892	7.213099892	1.079635664
1.341371443	0.280239576	6.806619033	3.949168574	3.959268574	3.939068574	1.005128116
1.53891033	0.879105845	10.77566839	7.891064371	8.061434371	7.720694371	1.044133336
1.120900665	0.136082341	3.138097301	4.252313319	4.290400819	4.214225819	1.018075681
2.058563041	1.440624949	15.84715065	8.807049843	9.364229843	8.249869843	1.13507607
1.447448038	0.307247148	7.027549401	4.489727722	4.494422722	4.485032722	1.00209363
1.137043246	0.167047895	2.582939375	6.554940581	6.649658081	6.460223081	1.029323291
1.322273346	0.506022704	7.910336767	6.069920872	6.176568372	5.963273372	1.035768107
1.672757261	0.659687806	11.627673	5.987597211	6.016759711	5.958434711	1.009788645
2.006877703	1.35763831	15.23226516	8.928768345	8.982703345	8.874833345	1.012154594

2.316324843	1.530146665	18.22972443	8.916031725	9.203631725	8.628431725	1.066663331
1.275377818	0.267945556	5.198644569	5.296312272	5.319643272	5.272981272	1.008849263
1.260241498	0.405993942	5.101489215	8.158212299	8.179862299	8.136562299	1.005321658
1.620998248	0.539992513	9.884019496	5.580408975	5.715958975	5.444858975	1.049790087
1.339804366	0.240365565	5.770827922	4.081619162	4.109229162	4.054009162	1.013621084
1.334771358	0.40106419	5.814937187	6.608237585	6.741537585	6.474937585	1.041174142
1.814641949	0.807150372	11.92615973	6.810534228	6.963905478	6.657162978	1.04607706
1.2090898	0.455266105	5.584854391	8.180733863	8.285388863	8.076078863	1.02591728
1.38544902	0.5926699	6.930917147	8.519629412	8.708549412	8.330709412	1.045355081
1.489544123	0.503419669	7.852361225	6.422968579	6.486183579	6.359753579	1.019879701
1.74097217	0.78127412	10.17096391	7.570266999	7.601431999	7.539101999	1.008267563
1.448118473	0.65896087	7.321739586	8.864589983	9.047208316	8.681971649	1.042068401
1.489737046	0.579979765	7.745137972	7.724567114	7.808509614	7.640624614	1.02197268
1.491055713	0.726064744	8.632426207	8.421655953	8.428700953	8.414610953	1.001674468
1.253546664	0.271169317	4.323562673	6.420810751	6.513715751	6.327905751	1.029363585
1.457170528	0.482711997	6.555311485	7.150921378	7.223793878	7.078048878	1.020591127
1.295019222	0.509672628	6.135247597	8.374915991	8.566615991	8.183215991	1.046851996
1.26286632	0.374443099	5.362755007	7.063217584	7.097025084	7.029410084	1.009618873
1.345982508	0.345638094	5.867326179	6.083606925	6.107923592	6.059290259	1.008026243
1.529704813	0.601404823	9.192728459	6.877791608	7.085418274	6.670164941	1.062255332
1.43482547	0.542995816	8.508301423	6.385144986	6.600309986	6.169979986	1.069745769
1.718596855	0.414090423	8.989417241	4.886101181	4.942066181	4.830136181	1.02317326
1.230395037	0.26824491	4.414094935	6.1427847	6.2066997	6.0788697	1.02102858
1.793177911	0.592812158	12.79223392	4.730215864	4.743402531	4.717029198	1.00559109
1.267890417	0.187104979	4.597277733	3.995938937	4.053258937	3.938618937	1.029106649
1.920316109	1.147975276	14.32090957	8.331492884	8.483247884	8.179737884	1.037105101
1.33671453	0.351070647	6.746453191	5.808250954	5.968570954	5.647930954	1.056771232
1.244702121	0.257570777	5.840938268	4.44332309	4.56383309	4.32281309	1.05575536
1.362285014	0.409347589	7.373254306	5.663136487	5.706773987	5.619498987	1.015530744
1.290558573	0.266870592	4.491952373	5.712907517	5.781747517	5.644067517	1.024393755
1.26239823	0.255045337	5.684996127	5.256562385	5.361817385	5.151307385	1.040865354
1.339336206	0.407781935	8.594286034	4.608185015	4.677275015	4.539095015	1.030442192
1.11191301	0.09844964	2.362735648	4.319905627	4.328355627	4.311455627	1.00391979
1.609528353	0.720075985	9.96884875	7.270457268	7.379729768	7.161184768	1.030517995
1.229435912	0.206097041	3.526838307	5.779169225	5.830341725	5.727996725	1.017867503
1.805081497	0.832637132	9.397799964	9.189053998	9.320423998	9.057683998	1.029007415
1.797729688	0.665366558	9.990647379	6.40008273	6.43343023	6.36673523	1.010475542
1.941022996	0.904260535	15.80799335	6.210444263	6.439124263	5.981764263	1.076459048
1.403511854	0.342836101	6.479757339	5.98218865	6.22006865	5.74430865	1.082822848
1.195357134	0.191629448	3.79516587	4.9951368	5.1214918	4.8687818	1.051904154
1.485393944	0.285939391	6.351244264	5.422841658	5.517281658	5.328401658	1.035447778
1.764115346	0.680355435	13.70752813	4.727050995	4.787802245	4.666299745	1.026038297
1.602954023	0.670898736	9.084808633	7.649603069	7.743078069	7.556128069	1.024741508
1.134576586	0.14770364	2.866734318	5.222970787	5.24596412	5.199977453	1.008843628
1.457246306	0.652292629	8.198103825	8.277422208	8.505877208	8.048967208	1.056766289
1.178422046	0.158044338	4.151196822	3.662144103	3.662144103	3.662144103	1
1.586739603	0.513367278	7.380764201	6.712938129	6.791478129	6.634398129	1.023676601

1.401044231	0.407790176	6.132664652	6.644802609	6.931650109	6.357955109	1.090232628
2.101625078	0.991657716	12.49714604	8.028884226	8.060819226	7.996949226	1.007986796
1.307681494	0.343744081	6.367358335	5.179819008	5.305519008	5.054119008	1.049741607
1.137144039	0.109755966	2.600852412	4.093068769	4.159063769	4.027073769	1.03277566
1.141750313	0.078051418	2.095993468	3.748514623	3.808264623	3.688764623	1.03239567
1.890071715	1.067731198	12.79637594	8.743899325	8.943504325	8.544294325	1.046722407
1.338125472	0.575483172	6.799374013	8.431603859	8.492614692	8.370593025	1.014577422
1.466102464	0.62618688	9.642586807	6.635862742	6.667201075	6.604524408	1.009489959
1.346533977	0.28612137	6.43556039	4.376113701	4.453418701	4.298808701	1.035965778
1.580076499	0.618803551	12.12791653	5.106674666	5.185644666	5.027704666	1.031413937
1.195881419	0.132438378	3.132888686	4.156622302	4.225282302	4.087962302	1.033591308
1.207560682	0.221702294	3.858187501	5.649880898	5.827955898	5.471805898	1.065088201
1.991470458	0.785408007	13.24438414	5.67724117	5.78634117	5.56814117	1.039187225
2.255875451	0.912039122	18.55853338	5.174259975	5.285869975	5.062649975	1.044091533
1.264748226	0.327109867	5.229857706	6.655422329	6.691734829	6.619109829	1.010972019
1.503103834	0.524329092	8.419497946	6.294766704	6.364326704	6.225206704	1.022347852
1.649326584	0.714083059	12.82510723	5.422271951	5.510316951	5.334226951	1.033011344
1.614528689	0.4680951	7.961229514	5.936682377	5.98503571	5.888329044	1.016423448
1.884221475	0.83001557	15.12228164	5.470732384	5.575652384	5.365812384	1.039106846
1.170271692	0.174385821	4.145125542	4.244002927	4.366177927	4.121827927	1.059281951
1.404403337	0.285502738	5.509366202	5.468191752	5.497191752	5.439191752	1.010663349
1.199979923	0.168201307	3.848990048	4.82053022	4.86883522	4.77222522	1.020244225
1.219613478	0.253554358	4.234875914	5.957875892	6.108632558	5.807119225	1.051921327
1.207956917	0.176626603	4.040376267	4.404230871	4.445795871	4.362665871	1.019054863
1.772671925	0.618804248	12.84080031	4.69382744	4.73482244	4.65283244	1.017621524
1.439813443	0.52102528	9.027857361	6.506499624	6.573107124	6.439892124	1.020685906
1.409544122	0.642904072	8.037558223	8.023222451	8.214797451	7.831647451	1.048923295
2.089127545	1.086230185	14.15860016	7.884299395	7.991754395	7.776844395	1.027634602
1.392030423	0.494624999	6.611220063	7.356922541	7.615772541	7.098072541	1.072935293
1.459393886	0.647109418	10.68931464	5.732564584	5.762259584	5.702869584	1.010414055
1.993995937	0.938766145	18.12939522	5.026364946	5.150774946	4.901954946	1.05075934
1.350920105	0.428543203	5.66125308	7.766918899	7.849636399	7.684201399	1.021529238
1.519244319	0.758246384	10.28077536	5.630897055	5.647012055	5.614782055	1.005740205
1.39126774	0.425591727	6.846549109	6.463895805	6.713969138	6.213822471	1.080489372
2.57014841	1.459947359	20.89943048	6.424240377	6.537440377	6.311040377	1.035873642
2.530372921	1.304119573	21.68576872	6.367442142	6.510352142	6.224532142	1.045918311
1.447864608	0.659751522	8.040985021	8.325364662	8.335774662	8.314954662	1.002503922
1.444119743	0.34083892	6.30171788	5.295277484	5.343234151	5.247320817	1.018278534
1.265986243	0.392843004	5.098906894	7.851173659	7.870648659	7.831698659	1.004973378
2.924260174	1.324470752	26.33161728	4.862141301	4.924191301	4.800091301	1.025853675
6.382408608	1.83520111	34.82412462	6.721206972	6.873696972	6.568716972	1.046429158
1.451031124	0.523926075	8.426851338	6.198689684	6.278569684	6.118809684	1.026109653
1.431538922	0.459018936	9.110704141	5.100524457	5.155799457	5.045249457	1.021911701
3.429548016	1.836198287	39.09395514	4.754778623	5.261506123	4.248051123	1.238569398
1.988226742	0.692180767	12.33605946	5.761095284	5.913865284	5.608325284	1.054479722
1.264532675	0.345649414	5.622614243	6.066579772	6.167404772	5.965754772	1.033801255
1.381974245	0.361076379	6.28172001	5.752119309	5.845899309	5.658339309	1.033147535

1.790730007	0.681255151	10.11916578	6.625908431	6.877243431	6.374573431	1.078855473
1.199426011	0.192174007	3.608322251	5.239773126	5.294923126	5.184623126	1.021274449
1.238031744	0.344795829	4.334754278	7.923697872	7.966950372	7.880445372	1.010977171
1.592323525	0.700464386	10.21942484	7.05337897	7.08699147	7.01976647	1.009576529
4.308061964	1.414726381	21.56380002	6.453076194	6.482246194	6.423906194	1.009081702
1.783147152	0.876267556	13.31454665	6.627084618	6.804219618	6.449949618	1.05492601
1.498855349	0.615404959	8.676591555	7.347467657	7.364272657	7.330662657	1.004584852
2.060712071	1.102098014	14.86115548	7.212939821	7.322089821	7.103789821	1.030730076
1.747177146	0.740564748	8.641541337	8.935945523	9.005685523	8.866205523	1.015731645
2.100938953	1.058089961	20.76030364	6.215211291	6.275311291	6.155111291	1.019528485
1.42312378	0.351577865	7.703707093	4.547347389	4.571522389	4.523172389	1.0106894
1.62613905	0.540331119	9.918448006	5.367463953	5.376552287	5.35837562	1.003392197
3.624135913	1.876556175	29.72003533	6.360226259	6.437416259	6.283036259	1.024570923
1.378777809	0.362126619	6.227207529	5.868218689	5.909383689	5.827053689	1.014128924
1.64131912	0.619555467	9.722288581	6.39505477	6.547486436	6.242623103	1.048835774
1.154550137	0.151048326	3.241236282	4.603735252	4.636882752	4.570587752	1.014504699
1.758662884	0.675743255	9.836544093	7.093490069	7.191977569	6.995002569	1.028159389
1.936319932	0.741689138	10.75080396	7.074042236	7.098587236	7.049497236	1.006963617
1.525505549	0.674264824	8.185272714	8.191521536	8.376871536	8.006171536	1.046301781
2.271726981	1.022350834	15.06544202	6.591327758	6.616217758	6.566437758	1.007580975
1.395128602	0.46371638	9.455653882	4.598728861	4.697608861	4.499848861	1.043948143
1.395413906	0.446473993	6.936453593	6.360234907	6.505657407	6.214812407	1.046798677
1.340927462	0.382867706	6.591705979	5.772224477	5.985969477	5.558479477	1.076907723
1.337058132	0.382893793	6.521662097	6.051338905	6.115000571	5.987677238	1.021264228
1.658612274	0.597282852	8.684467663	6.81409533	6.83671033	6.79148033	1.006659815
1.315297463	0.172692711	4.836183893	3.539479658	3.621654658	3.457304658	1.047537031
2.44836739	1.386164826	28.98284855	5.452852609	5.548917609	5.356787609	1.035866645
1.729153693	0.685160332	11.98322678	5.672714854	5.708173187	5.637256521	1.012579996
1.451501167	0.453805216	6.869940332	6.65085292	6.82048292	6.48122292	1.05234506
1.149255283	0.196968769	4.269431821	4.942899184	5.045524184	4.840274184	1.042404623
1.233294384	0.297367756	5.38903322	5.735576472	5.931628972	5.539523972	1.070783158
1.762777561	0.680103196	10.89522933	6.366876988	6.433081988	6.300671988	1.021015219
1.192838174	0.18432205	4.208757919	4.287166049	4.397706049	4.176626049	1.052932678
1.236243683	0.282008747	6.359461321	4.407902621	4.421582621	4.394222621	1.006226357
1.63776496	0.50138286	10.36407205	4.539209131	4.617654131	4.460764131	1.035171104
1.516897323	0.654198035	8.293732379	8.136826608	8.234116608	8.039536608	1.024202887
1.46082971	0.535976907	8.704185967	6.101505814	6.137120814	6.065890814	1.011742711
1.194194372	0.398258999	4.330823722	9.401161906	9.410216906	9.392106906	1.001928215
1.441630455	0.82630457	7.447935398	10.96804168	10.99440668	10.94167668	1.004819188
1.30598864	0.497918464	6.727927749	7.435862817	7.47996615	7.391759483	1.011933108
1.604806303	0.55220748	10.873859	5.708254265	5.711629265	5.704879265	1.001183198
2.216716496	0.783777196	15.28935955	4.81902915	4.91016415	4.72789415	1.038552048
1.267929306	0.282760803	5.204125701	5.718899378	5.770666878	5.667131878	1.018269383
1.649142174	0.488645815	8.544256244	5.593282192	5.768102192	5.418462192	1.064527533
1.591859876	0.640699998	10.43942545	5.951147657	5.988922657	5.913372657	1.012776127
1.61299472	0.414596507	9.098104259	4.467508328	4.574448328	4.360568328	1.049048652
1.330169509	0.354737258	5.635184107	6.371579513	6.433699513	6.309459513	1.019691069

1.238567925	0.340351342	4.83026204	7.323221972	7.427091972	7.219351972	1.028775436
2.469263943	1.059089179	20.13225264	5.158654318	5.183149318	5.134159318	1.009541971
1.201864732	0.237750785	4.449051059	5.246216235	5.261356235	5.231076235	1.005788484
1.276832818	0.404543855	4.921803185	8.252696284	8.293091284	8.212301284	1.009837681
2.295536235	0.987278524	21.54662307	4.375282653	4.394292653	4.356272653	1.008727645
1.687461836	0.668073973	10.05748392	6.681835909	6.799560909	6.564110909	1.03586929
2.049325434	0.672872125	13.4774898	5.470365488	5.643732988	5.296997988	1.065458775
1.520345301	0.55826327	7.456876845	7.631099401	7.695511068	7.566687734	1.017025063
1.518480467	0.404411142	6.659191344	6.150182504	6.257382504	6.042982504	1.035479169
1.164238534	0.110149086	3.285939573	3.391325331	3.474985331	3.307665331	1.050585529
1.500521972	0.513057076	10.75854607	4.649435808	4.794210808	4.504660808	1.06427787
1.260099897	0.232060966	4.489688366	5.091703034	5.162868034	5.020538034	1.028349551
1.697877331	0.553719238	8.174356128	6.789527423	6.821127423	6.757927423	1.00935198
1.28704768	0.406246813	5.725585394	7.092032365	7.172347365	7.011717365	1.022908796
1.431744411	0.488266359	7.160696024	7.08358334	7.11549834	7.05166834	1.009051759
1.381495993	0.382835859	7.137192305	5.449941578	5.619051578	5.280831578	1.064046731
1.184358022	0.15708858	3.67846025	4.314708742	4.377626242	4.251791242	1.029595762
1.552776063	0.319423564	7.913743449	4.053513696	4.084055362	4.022972029	1.015183634
1.80275829	0.752000899	12.74814367	6.027333147	6.210110647	5.844555647	1.062546243
2.039843707	1.14935981	17.20295263	6.176442148	6.252587148	6.100297148	1.024964358
1.381562405	0.333131505	7.032444523	4.756247706	4.784697706	4.727797706	1.012035202
2.458352991	1.554657822	24.21909493	5.923927935	5.936897935	5.910957935	1.00438846
1.58953522	0.959294285	11.34914209	8.352313807	8.374243807	8.330383807	1.005265064
2.081824648	1.137220527	14.30803258	7.454729281	7.499734281	7.409724281	1.012147551
2.17927197	0.634790696	12.71319928	5.09641381	5.12019381	5.07263381	1.0093758
1.78458919	0.671602814	11.06480783	7.668824751	7.761669751	7.575979751	1.024510361
1.544344784	0.613102033	8.337607811	7.417897128	7.681662128	7.154132128	1.073737805
1.820524164	0.698817051	12.10443476	5.852951595	5.898836595	5.807066595	1.01580316
1.927131115	0.950065031	13.74714823	6.677562268	6.693572268	6.661552268	1.004806687
1.239159043	0.275422144	5.18455163	5.356078452	5.544866452	5.167290452	1.073070404
1.596212461	0.582980651	8.770357284	6.686871829	6.688173496	6.685570163	1.000389396
2.032860296	0.943452881	17.04309594	5.624663548	5.920458548	5.328868548	1.111016062
1.754809503	0.649489595	10.95957896	5.935218614	6.033461947	5.83697528	1.033662412
1.300129019	0.402828197	6.935577018	5.665455736	5.665455736	5.665455736	1
1.39141173	0.441978057	6.771151975	6.580433218	6.712863218	6.448003218	1.041076282
1.386304332	0.459572873	7.193751705	6.659116769	6.660959269	6.657274269	1.00055353
1.245633554	0.370888269	5.651916279	6.532635825	6.541783325	6.523488325	1.002804481
2.613887207	1.305416882	26.85204374	4.626522263	4.627707263	4.625337263	1.000512395
1.446843352	0.549420825	7.526903855	7.320082147	7.388282147	7.251882147	1.01880891
1.279404849	0.34511144	4.883569497	7.258340607	7.347005607	7.169675607	1.024733337
2.343396675	0.709600012	10.38977279	7.167867906	7.552267906	6.783467906	1.113334361
1.409936045	0.379030361	6.03648676	6.496198132	6.657728132	6.334668132	1.050998725
1.345412623	0.36046776	6.290124764	5.683842788	5.750237788	5.617447788	1.023638849
2.027571747	1.146307971	14.43511984	7.949278476	8.085518476	7.813038476	1.034875036
1.365879099	0.450436441	8.187516051	5.489983179	5.676438179	5.303528179	1.07031357
1.616877636	0.797045516	11.05086774	7.329362516	7.349619182	7.309105849	1.005542858
1.694746359	0.510056207	8.999211723	5.692188834	5.710021334	5.674356334	1.006285294

1.774875736	0.795467134	10.96677919	7.042158901	7.139008901	6.945308901	1.027889328
2.009190882	1.105845866	16.97640594	6.833582977	7.092030477	6.575135477	1.078613589
1.716452844	0.749913633	12.02567913	6.377444233	6.474904233	6.279984233	1.031038294
1.574638691	0.731670938	9.821116283	7.409577124	7.642274624	7.176879624	1.064846427
1.913556739	1.041553314	19.80607048	5.12462379	5.21998879	5.02925879	1.037924077
1.3637722	0.508239844	6.776093648	7.621947945	7.750397945	7.493497945	1.034283055
1.599454008	0.440166132	7.583601239	5.868698077	5.981253077	5.756143077	1.039107784
1.659586243	0.632555403	9.695673143	6.361080333	6.471460333	6.250700333	1.035317643
1.791102715	0.896139573	9.424733524	9.814296094	9.833861094	9.794731094	1.003995005
2.770747138	1.066963573	14.42612138	7.570391133	7.612096133	7.528686133	1.011078958
1.605992102	0.784436838	10.04060515	7.723427929	7.781627929	7.665227929	1.015185458
1.600762122	0.489579484	10.35781782	4.965149344	5.350054344	4.580244344	1.168071819
1.921921591	1.074408508	16.80276608	6.039936952	6.079338618	6.000535285	1.013132717
1.54941633	0.770844121	10.4225037	7.400142134	7.416217134	7.384067134	1.004353969
1.57227663	0.518139002	7.130928581	7.253896375	7.458554708	7.049238042	1.058065377
1.396438115	0.592806688	7.606209823	8.006141354	8.217161354	7.795121354	1.054141556
1.473000432	0.563191684	6.87921397	8.38458245	8.56625245	8.20291245	1.044294024
1.381682703	0.425210191	7.28576573	5.921118393	6.09303506	5.749201726	1.059805404
1.398894156	0.348807666	7.336926188	5.407523234	5.657368234	5.157678234	1.09688274
1.600523953	0.997249638	12.65652318	7.899402778	7.933892778	7.864912778	1.008770599
1.923732612	1.15787352	16.0195358	7.104478347	7.381503347	6.827453347	1.081150316
1.298318743	0.519343806	6.086144	8.666007677	8.740762677	8.591252677	1.017402584
2.947469795	1.068704022	25.39667314	4.000375224	4.019987724	3.980762724	1.009853639
1.184303441	0.244726996	5.691876532	4.221767556	4.242472556	4.201062556	1.00985703
1.902602986	0.811920898	15.62452786	5.17218184	5.17873934	5.16562434	1.002538899
1.843098033	0.768562966	10.28112065	7.554757066	7.719090399	7.390423732	1.044471965
1.162258906	0.140291344	2.881326884	4.916086997	4.992069497	4.840104497	1.031397049
2.104021771	1.219358814	24.54290865	4.712574919	4.786139919	4.639009919	1.031715819
1.34595002	0.353186663	5.904458981	5.941551875	6.041396875	5.841706875	1.034183502
1.320436017	0.525347365	6.52938018	7.988905628	8.174925628	7.802885628	1.047679797
2.323980804	1.338634869	17.79743764	7.48374943	7.61707443	7.35042443	1.036276817
1.924861695	0.650512514	14.54348655	5.460902045	5.466083712	5.455720378	1.001899535
1.951111755	0.660914614	14.57254759	4.486499361	4.539434361	4.433564361	1.023879207
1.354783518	0.508114458	6.99190953	7.546465372	7.692040372	7.400890372	1.039339861
1.693430932	0.559322125	10.18210987	5.393603676	5.434476176	5.352731176	1.015271643
1.872268223	0.638480686	10.98356446	5.968263683	6.089913683	5.846613683	1.041613832
1.680649732	0.784904629	8.565830424	9.417123908	9.471063908	9.363183908	1.011521722
1.360165482	0.524382636	6.333675795	8.207357917	8.254497917	8.160217917	1.011553613
1.182455492	0.117443197	3.133322278	4.395254316	4.52701765	4.263490983	1.061810068
1.840444714	0.604110256	11.7531886	5.011145409	5.072447909	4.949842909	1.024769473
1.321240358	0.559541997	6.908156089	8.210377601	8.340674268	8.080080935	1.032251327
1.482449152	0.456650421	8.357314722	5.271477578	5.287232578	5.255722578	1.00599537
1.196196834	0.164428109	3.884163693	4.160762482	4.186122482	4.135402482	1.012264828
1.24954368	0.281089926	3.921604809	7.246686497	7.334271497	7.159101497	1.024468154
1.285325722	0.341119191	5.23502315	6.505790368	6.595027868	6.416552868	1.027814779
1.207453811	0.224993889	4.180516198	5.442639302	5.490081802	5.395196802	1.01758694
1.421019639	0.430188191	6.881046356	6.338008141	6.481218141	6.194798141	1.046235566

1.217491561	0.224297799	4.554521279	4.83925982	4.95762982	4.72088982	1.050147326
1.49059521	0.528068764	9.583405256	5.321879693	5.442364693	5.201394693	1.046327959
1.664073134	0.966453416	9.984626472	9.773603935	9.842803935	9.704403935	1.014261566
1.727900183	0.669540642	11.01519705	6.072517802	6.124417802	6.020617802	1.017240756
2.004199125	0.824804435	12.31498327	7.113892484	7.179767484	7.048017484	1.0186932
1.647843985	0.702197988	12.84247544	5.405707914	5.431947914	5.379467914	1.009755612
2.838034826	1.259868233	16.27456808	7.609464124	7.757439124	7.461489124	1.039663664
1.600825186	0.642127813	10.28669266	5.565535435	5.912685435	5.218385435	1.133048815
1.465229499	0.514478135	9.435159366	5.856902777	5.868912777	5.844892777	1.004109571
1.356754068	0.465351694	6.501204417	7.221736495	7.381943995	7.061528995	1.045374734
2.059292985	0.827727172	15.02368618	5.421115825	5.479525825	5.362705825	1.021783779
1.684160449	0.614983199	9.549338862	6.788116458	6.995581458	6.580651458	1.063053028
2.093262753	0.866780774	15.8575502	5.453216181	5.459651181	5.446781181	1.002362863
1.852415541	0.867487126	13.31554073	5.818808391	5.887883391	5.749733391	1.024027201
1.296112431	0.44919339	7.189549828	6.041075788	6.072324122	6.009827455	1.010399078
1.245522924	0.483358683	4.565989859	10.75883999	10.79942749	10.71825249	1.007573529
1.16392942	0.308774068	3.313802464	9.276184485	9.280754485	9.271614485	1.000985805
2.288114498	1.261486525	23.53655474	5.136993477	5.156503477	5.117483477	1.007624841
1.678678694	0.711248785	10.74415937	6.586049799	6.738942299	6.433157299	1.047532648
2.037628435	1.155015654	17.86469569	6.127058773	6.201148773	6.052968773	1.024480549
2.550975106	1.672899501	22.31466976	7.605549204	7.696386704	7.514711704	1.024175911
1.570300302	0.709533896	9.863948601	7.408285076	7.505705076	7.310865076	1.026650745
1.83352062	0.820629227	12.78286233	5.791156473	5.909393139	5.672919806	1.041684589
1.906158693	0.828617897	13.39866998	6.341151764	6.424541764	6.257761764	1.026651702
2.217047748	1.054749831	15.55567987	6.421416428	6.782186428	6.060646428	1.119053307
1.380157298	0.34030483	6.758005489	5.003190233	5.0296319	4.976748567	1.010626081
1.220634849	0.336294743	5.638148401	5.875413024	6.014013024	5.736813024	1.048319511
1.729079842	0.783573982	14.11657198	5.449077832	5.463279499	5.434876165	1.005226123
1.434989239	0.589857433	7.539176728	7.711552712	7.724290212	7.698815212	1.003308951
1.169240917	0.205780655	4.943726686	4.027877468	4.033792468	4.021962468	1.00294135
1.367953049	0.465990898	6.802055053	6.915360162	6.977368495	6.853351829	1.018095768
1.398529543	0.263601457	5.974969782	4.37699516	4.44552016	4.30847016	1.031809435
2.353815191	1.122714241	17.36859287	6.24507486	6.32886486	6.16128486	1.027198872
1.70116105	0.738391495	10.77773923	6.844050333	7.003067	6.685033667	1.047573931
1.39648092	0.469092838	7.075304911	6.614437119	6.742374619	6.486499619	1.039447316
1.406328174	0.378871908	6.24329018	6.143606152	6.208751152	6.078461152	1.021434701
1.281646616	0.258178572	6.275018688	3.960532809	4.064997809	3.856067809	1.054182138
1.386097864	0.411786002	8.311235584	5.295019864	5.466499864	5.123539864	1.066938095
1.642313486	0.657346886	9.953436909	6.728159611	6.824874611	6.631444611	1.029168607
1.359864439	0.401675205	7.338998831	5.348867257	5.425434757	5.272299757	1.0290452
1.645343789	0.623724961	9.393805604	6.686980304	6.827670304	6.546290304	1.042983123
1.25453099	0.314832959	4.727123127	6.703269689	6.728897189	6.677642189	1.007675613
1.876411927	0.535302096	13.95033247	3.694660454	3.739305454	3.650015454	1.02446291
1.28901376	0.221815402	5.487273461	4.108712447	4.190577447	4.026847447	1.040659598
1.567461077	0.487132373	9.124517668	5.114619655	5.162227155	5.067012155	1.018791153
1.262144413	0.218353425	4.856474168	4.408395143	4.474705143	4.342085143	1.030542929
3.206048744	1.122766207	21.78116209	5.21808091	5.22590091	5.21026091	1.003001769

1.592416103	0.517128917	9.784870858	5.435827769	5.588080269	5.283575269	1.057632377
1.346295071	0.406078883	5.821452564	6.920289903	6.975379903	6.865199903	1.016049059
1.48600276	0.561142306	7.853261661	7.309273955	7.469501455	7.149046455	1.044824859
1.176026939	0.172511748	4.229014952	4.028167172	4.028167172	4.028167172	1
1.308101438	0.431211474	5.60767322	7.390707572	7.524315072	7.257100072	1.036821182
1.63983803	0.475458474	7.980680743	6.55702696	6.62887196	6.48518196	1.022156664
2.095104849	1.006839067	16.26325625	5.765358432	5.765765932	5.764950932	1.000141372
1.801409705	0.902914341	12.94812625	7.569224807	7.658179807	7.480269807	1.023783901
1.731264552	0.678652272	9.868102737	7.264439893	7.522247893	7.006631893	1.073589709
1.584317608	0.619537013	7.902783257	7.796723959	7.933053959	7.660393959	1.03559347
1.38901423	0.392242443	6.157476119	6.237184526	6.247759526	6.226609526	1.003396712
1.238125942	0.281121724	4.31534488	6.663933075	6.684036409	6.643829742	1.00605173
1.44340754	0.546050722	6.93224636	8.346094006	8.353704006	8.338484006	1.001825272
1.48611213	0.63355835	9.009668699	7.342481508	7.485061508	7.199901508	1.039606097
1.427769684	0.563167144	8.258361353	6.900622147	6.947667147	6.853577147	1.013728597
1.459261357	0.470265583	8.321251297	5.594023151	5.670103151	5.517943151	1.027575493
1.963900864	1.018035771	13.53435449	7.163677239	7.379802239	6.947552239	1.062216157
1.173719433	0.194231987	3.592476018	5.617662381	5.736159881	5.499164881	1.043096544
1.626493039	0.583245249	10.45710153	5.695773692	5.874307026	5.517240359	1.064718345
1.311343503	0.499232815	6.575203104	7.748726553	7.811201553	7.686251553	1.016256299
1.902882707	0.941414621	13.03575152	7.576382509	7.659492509	7.493272509	1.022182564
1.689817653	0.617557423	9.022463034	6.926116371	7.081456371	6.770776371	1.045885432
1.183519643	0.213089705	4.688713747	4.928111241	5.014223741	4.841998741	1.035568989
1.375125635	0.369281189	5.967243378	6.210260963	6.373685963	6.046835963	1.054053062
1.404156458	0.607181013	7.37879626	8.310455424	8.477400424	8.143510424	1.041000746
1.353610977	0.475814287	5.600004133	8.543053037	8.567173037	8.518933037	1.005662681
1.19271358	0.414153345	4.687093082	9.011990311	9.066725311	8.957255311	1.012221378
1.512696116	0.629085409	8.657536982	7.312917618	7.584347618	7.041487618	1.077094505
1.41635202	0.624649423	7.037037398	8.873155277	8.884292777	8.862017777	1.002513536
1.632699006	0.471544908	8.407193538	5.974527934	6.066810434	5.882245434	1.031376623
1.252299868	0.285735473	3.986761109	6.982274582	7.061739582	6.902809582	1.023023958
1.508936566	0.574512661	7.898107216	7.520581262	7.740526262	7.300636262	1.060253652
1.236979062	0.326278129	5.45045139	6.000542768	6.027510268	5.973575268	1.009028931
1.329477159	0.312708439	5.848500931	5.28699224	5.40863724	5.16534724	1.047100415
2.852814546	1.815523058	27.50704788	6.305630861	6.756838361	5.854423361	1.154142423
1.30115802	0.313864094	5.311717327	6.092674198	6.167425198	6.017923198	1.02484279
1.548488217	0.527573661	8.050205626	6.595672659	6.600697659	6.590647659	1.001524888
2.177996661	0.580066915	15.41701114	3.686322793	3.695685293	3.676960293	1.005092522
1.390289962	0.455168133	6.31634545	7.395396712	7.539405045	7.251388378	1.039718831
1.453469311	0.478466572	6.777800654	7.452125273	7.684831939	7.219418606	1.064466872
2.804291831	1.428866963	23.85305421	5.508498736	5.573383736	5.443613736	1.023838943
1.545576125	0.4498651	7.201490884	6.448453181	6.520883181	6.376023181	1.022719491
1.405017722	0.614992676	7.627294053	8.024446525	8.148174025	7.900719025	1.031320567
1.355408297	0.331171242	7.021110418	4.512256506	4.565641506	4.458871506	1.023945521
1.608770652	0.633996924	9.49151623	6.771747159	6.808162159	6.735332159	1.010813127
1.286923721	0.485409072	5.063468786	9.47236316	9.53215816	9.41256816	1.012705353
2.13655961	1.113889853	17.77166254	6.247618367	6.522028367	5.973208367	1.09188027

1.854960208	1.019145439	11.26206265	9.308366054	9.411381054	9.205351054	1.022381547
3.081211533	1.67118805	30.01070397	5.764548129	6.184698129	5.344398129	1.157230053
1.556021759	0.477771968	7.639477032	6.339569095	6.396809095	6.282329095	1.018222541
2.445951937	1.272387991	15.0926858	8.337697607	8.352497607	8.322897607	1.003556454
2.89396123	1.43447446	25.63900881	5.106902453	5.149107453	5.064697453	1.016666346
1.385755053	0.454608158	6.573665496	7.043867792	7.213555292	6.874180292	1.049369523
1.220776624	0.235371186	3.825062981	6.306303473	6.375393473	6.237213473	1.022154124
2.159680614	0.872541914	18.72866337	5.661700243	5.736740243	5.586660243	1.026863993
2.155256642	0.880232794	13.94665233	6.686098904	6.692203904	6.679993904	1.001827846
1.643952035	0.81397983	13.44414351	6.121174329	6.335219329	5.907129329	1.072470057
1.366409557	0.400699887	6.75466179	5.824338828	5.883208828	5.765468828	1.020421583
1.887768396	0.658645908	11.43921073	5.802840801	5.837558301	5.768123301	1.012037711
1.522778073	0.629272519	10.04127774	6.549408606	6.766848606	6.331968606	1.068680063
1.309668113	0.316248499	6.561667511	4.664136855	4.693545188	4.634728521	1.012690423
1.595251567	0.606644587	9.555463853	6.356896499	6.506221499	6.207571499	1.048110602
2.962954758	1.146717371	28.56985608	3.803264328	3.849033078	3.757495578	1.024361306
2.642174352	1.673679092	21.11919044	7.669249404	7.705964404	7.632534404	1.009620658
1.356921918	0.446441554	6.465215303	6.882856989	6.934685322	6.831028656	1.015174386
1.386823952	0.337909422	6.404875728	5.218407359	5.304687359	5.132127359	1.033623484
1.527285756	0.548202383	9.350040426	6.034350201	6.091990201	5.976710201	1.019288203
1.382526135	0.438926815	6.628756642	6.665747022	6.717077022	6.614417022	1.015520642
1.727154168	0.697156987	8.850867046	7.983720544	7.992000544	7.975440544	1.002076374
1.369360538	0.307490586	5.529975827	5.671677421	5.783807421	5.559547421	1.040337816
1.387363559	0.464226844	7.74319458	6.224444725	6.263899725	6.184989725	1.012758307
1.505858966	0.648155079	8.116662403	8.153176942	8.275201942	8.031151942	1.03038792
1.220675814	0.25815071	4.206667702	5.927561661	6.227384161	5.627739161	1.106551669
1.162396714	0.19619175	3.609467478	5.611950627	5.744313127	5.479588127	1.048311113
1.373367988	0.37182219	6.457165397	5.726510847	5.934840847	5.518180847	1.075506768
1.282090121	0.268455839	5.424534779	5.200070111	5.300955111	5.099185111	1.039569068
1.733275488	0.733216385	10.43574329	7.15337793	7.38865793	6.91809793	1.068018696
1.525411159	0.529074884	8.645709026	5.995504025	6.021785692	5.969222358	1.008805725
1.153218288	0.16679133	3.266991421	5.150233569	5.157146069	5.143321069	1.002687952
1.657322781	0.668104359	9.898956782	6.849039288	6.936764288	6.761314288	1.025949097
1.442886188	0.557610666	8.468046615	6.520173807	6.628603807	6.411743807	1.033822312
1.870350219	0.611290004	12.19346428	5.129663805	5.161051305	5.098276305	1.012312985
1.266577351	0.259675113	4.791470271	5.428423352	5.500998352	5.355848352	1.027101215
1.659843384	0.592674763	8.56053374	7.024789525	7.076677025	6.972902025	1.014882613
1.71064482	0.608938123	9.579983428	6.644314313	6.668814313	6.619814313	1.00740202
1.875855344	0.708368242	12.28310622	6.318291052	6.455526052	6.181056052	1.044405033
1.404563605	0.494799789	7.244963387	7.231925281	7.308272781	7.155577781	1.021339297
1.355058691	0.400370691	5.890500749	6.866899709	6.922492209	6.811307209	1.016323592
1.54919523	0.610260556	8.491191731	7.306867904	7.421472904	7.192262904	1.031868969
1.449126922	0.461672732	7.692318102	6.272893057	6.502293057	6.043493057	1.075916361
1.247247994	0.347158994	5.011815972	7.301828187	7.325005687	7.278650687	1.006368625
1.454780756	0.462518788	7.60527231	6.053897703	6.158852703	5.948942703	1.035285262
1.62479047	0.658635869	9.440371375	7.167484878	7.216319878	7.118649878	1.013720298
1.390353766	0.410557108	7.138922384	6.272546893	6.319441893	6.225651893	1.015065089

1.893388195	0.730157162	12.51038727	5.809164735	5.841549735	5.776779735	1.011212129
1.674055539	0.57745529	9.998188825	5.679442843	5.867397843	5.491487843	1.068453215
1.622026246	0.487862455	7.325881183	6.692862897	6.781085397	6.604640397	1.026715308
1.331222058	0.417712503	6.10628345	6.949608974	6.996720224	6.902497724	1.013650493
1.332007599	0.410847359	5.640931192	7.12544662	7.30614912	6.94474412	1.052040074
1.447019248	0.674818339	8.570002112	7.8514488	8.0741688	7.6287288	1.058389807
1.675347493	0.283957548	7.285917026	3.93121762	3.942360954	3.920074287	1.005685266
1.314621046	0.370301544	5.794064167	6.321261789	6.403886789	6.238636789	1.026488158
1.384080978	0.272350079	5.18712477	5.296200614	5.302715614	5.289685614	1.002463284
1.330750697	0.425800087	5.609202533	7.568070561	7.568318895	7.567822228	1.000065629
1.489582522	0.606952874	9.500719851	6.621317267	6.726854767	6.515779767	1.032394434
1.673011131	0.860168738	11.24983089	7.651994413	7.936314413	7.367674413	1.077180392
1.548630795	0.723258799	9.677772929	7.38594863	7.49381363	7.27808363	1.029641044
1.69451613	0.737004713	11.90680763	6.789641254	6.883686254	6.695596254	1.028091598
1.566328639	0.570336783	11.25133435	5.184880724	5.231098224	5.138663224	1.017988141
1.308422213	0.350960042	6.912122178	5.546834176	5.691746676	5.401921676	1.053652203
1.332444573	0.338990184	5.63244749	6.191528449	6.428150949	5.954905949	1.079471448
1.832533302	0.741297315	11.03817966	6.658508623	6.773468623	6.543548623	1.035136898
1.30763041	0.38238402	5.411738679	7.178055794	7.193035794	7.163075794	1.004182561
1.561239569	0.412255111	8.109066977	4.916050689	4.928669023	4.903432356	1.005146735
1.317567307	0.151915308	4.227078107	4.941744086	5.144704086	4.738784086	1.085659104
1.401843208	0.376722864	6.619594065	5.657173939	5.767528939	5.546818939	1.039790374
1.361311533	0.454943045	6.017686623	7.737595211	7.815510211	7.659680211	1.020344191
1.287979341	0.306897459	7.106316635	4.128576704	4.277621704	3.979531704	1.074905799
1.439255364	0.517342674	8.466937657	6.164154396	6.166831896	6.161476896	1.00086911
1.408149419	0.412705522	8.044531371	5.171294621	5.220474621	5.122114621	1.019203006
1.231774979	0.240656029	4.840994807	5.668935779	5.953265779	5.384605779	1.105608474
1.374287189	0.276024343	5.160788822	5.193992846	5.248757846	5.139227846	1.02131254
1.307386181	0.294465389	6.035727828	4.85993364	4.87003364	4.84983364	1.004165091
1.183619724	0.223705165	3.954505691	5.52590039	5.65199414	5.39980664	1.046703061
1.476313416	0.558588607	10.85066057	5.199231466	5.235641466	5.162821466	1.014104691
1.47929963	0.520406532	8.631618127	6.17602317	6.25090067	6.10114567	1.02454539
1.4819283	0.654446295	8.667982909	7.604103574	7.858903574	7.349303574	1.069339903
1.289041608	0.279794072	5.21337578	5.512472314	5.590272314	5.434672314	1.028630981
1.646826803	0.494258721	9.792423618	4.837840234	4.856675234	4.819005234	1.007816966
1.356789696	0.437422092	7.095699018	6.442209439	6.459564439	6.424854439	1.005402457
1.702460283	0.65505496	13.39938332	4.588984445	4.703874445	4.474094445	1.051357879
1.818712746	0.764770045	13.59257287	5.285485195	5.292740195	5.278230195	1.002749028
1.379354605	0.403587	6.905057085	6.128104498	6.313964498	5.942244498	1.062555487
1.439895057	0.416492098	7.06079556	5.933156831	6.176951831	5.689361831	1.085702055
1.329659851	0.658151241	6.326314684	10.62540718	10.64918218	10.60163218	1.004485158
1.375304297	0.375575723	7.677062124	5.014455254	5.145065254	4.883845254	1.053486543
1.131097016	0.179334282	3.591814995	5.483203312	5.522498312	5.443908312	1.01443632
3.541179834	1.582337478	32.44219968	4.548352804	4.633837804	4.462867804	1.038309448
1.490294806	0.556847213	8.937367244	6.573379277	6.675394277	6.471364277	1.031528128
1.445706578	0.599390376	7.739149814	7.743340707	7.904888207	7.581793207	1.042614589
1.508974597	0.705632221	10.26381831	6.446276981	6.455296981	6.437256981	1.002802436

2.508675729	1.20120553	22.52988016	5.199122699	5.213930199	5.184315199	1.005712423
1.289524858	0.195847254	4.144371552	4.603980174	4.615795174	4.592165174	1.005145721
1.582431382	0.59224745	10.52542572	5.641351575	5.881281575	5.401421575	1.088839576
1.371277964	0.396234258	7.403489324	5.307379031	5.307769031	5.306989031	1.000146976
1.849084626	0.659095276	12.28463206	5.950714682	6.028864682	5.872564682	1.026615288
1.967609482	0.830033085	17.59538076	5.496664958	5.558407458	5.434922458	1.022720655
1.465815806	0.779989036	9.060566931	8.430599486	8.499616986	8.361581986	1.01650824
1.234844779	0.221855533	4.158649428	5.97519645	6.18939645	5.76099645	1.074362136
1.563286243	0.478009576	8.765799144	5.230748763	5.294278763	5.167218763	1.02458963
1.852010475	0.99789509	11.96104445	8.799826531	8.833001531	8.766651531	1.007568454
1.953076266	0.831429437	12.80339393	5.925666882	5.943656882	5.907676882	1.00609038
1.93804833	1.006993332	15.52611485	6.118689741	6.159254741	6.078124741	1.013347867
2.456459373	1.212156397	19.51700522	6.062500761	6.141010761	5.983990761	1.026240014
1.586996224	0.666375327	9.265000247	7.254832216	7.496297216	7.013367216	1.068858508
1.283824024	0.453463903	5.214190142	8.719185307	8.763130307	8.675240307	1.010131131
1.272629635	0.344535998	5.006473267	7.219281744	7.22982341	7.208740077	1.00292469
1.797244344	0.824237418	12.30648371	6.901661487	6.948173987	6.855148987	1.013570092
1.56378237	0.564439289	7.65039808	7.549102229	7.611880562	7.486323896	1.016771471
1.33818592	0.472729406	7.871128966	5.045223611	5.109658611	4.980788611	1.025873413
1.16243191	0.179845832	3.644236512	4.997933889	5.025436389	4.970431389	1.011066444
1.338981575	0.413939666	6.940593548	6.211992932	6.299727932	6.124257932	1.028651635
1.281109332	0.258047533	4.321507287	5.91277434	5.91725934	5.90828934	1.001518206
2.719190406	1.488823651	30.25908661	4.378880922	4.494685922	4.263075922	1.054329316
1.514337002	0.432603111	7.717607943	5.906495024	5.957958774	5.855031274	1.017579325
1.321814092	0.520331378	6.135944056	8.548438368	8.692503368	8.404373368	1.034283341
2.587110974	1.138075927	15.11553258	7.778494826	7.902084826	7.654904826	1.032290408
1.620562674	0.614419609	8.901338139	7.205965754	7.223140754	7.188790754	1.004778272
1.326366099	0.463302714	6.109626694	7.517136996	7.531131996	7.503141996	1.003730437
1.539679853	0.487045267	9.556337206	5.251650404	5.755745404	4.747555404	1.212359818
1.217643151	0.293418281	4.752114601	6.33863763	6.41483763	6.26243763	1.024335572
1.249758476	0.364636053	4.992605132	7.582192228	7.630252228	7.534132228	1.012757939
1.451552391	0.547545853	8.993577384	5.863484709	5.949654709	5.777314709	1.029830468
1.180515109	0.329343312	3.914017121	8.2251006	8.2802656	8.1699356	1.01350439
2.083157872	0.92785395	12.26570821	8.159952129	8.220502129	8.099402129	1.014951721
1.781887936	0.957505365	14.84840733	6.178611046	6.186676046	6.170546046	1.002614031
1.483918859	0.591734866	8.684107239	7.111487232	7.227632232	6.995342232	1.033206381
1.249023562	0.298858574	4.633418168	6.446134807	6.470639807	6.421629807	1.007632019
1.208903567	0.250456188	4.332954158	5.749560032	5.881255032	5.617865032	1.046884359
1.268234638	0.340193156	5.924352994	5.561120844	5.610055844	5.512185844	1.017755207
1.483118421	0.623767152	8.487637877	7.501196549	7.644976549	7.357416549	1.039084371
1.733608698	0.705730541	12.05783148	5.66145374	5.81412874	5.50877874	1.055429709
1.193835061	0.2206585	4.023220726	5.543015013	5.608426263	5.477603763	1.023883162
1.303057575	0.327218087	5.600434423	5.944178589	6.183441089	5.704916089	1.083879411
1.426998543	0.608206002	7.819760289	7.596846092	7.895768592	7.297923592	1.081919877
1.324378237	0.61646686	6.910554942	8.732257148	8.744272148	8.720242148	1.002755657
1.887531248	0.817282391	13.58657065	6.152744254	6.275209254	6.030279254	1.040616693
1.410064877	0.446117914	8.22048806	5.566505064	5.609887564	5.523122564	1.015709411

1.47953645	0.59078099	8.990890632	7.051000234	7.082465234	7.019535234	1.008964981
2.021763894	0.757812729	11.21210583	6.733388343	6.975478343	6.491298343	1.074589084
1.641477225	0.521821507	11.62504016	5.011507159	5.030292159	4.992722159	1.007524953
1.605401487	0.634140016	11.89270542	5.308780493	5.395301743	5.222259243	1.033135563
1.744518466	0.668224326	11.88960849	5.771910003	5.785655003	5.758165003	1.00477409
1.170376552	0.158033029	4.077519737	4.251957262	4.270257262	4.233657262	1.008645008
2.508451643	1.498706841	27.09040158	5.005594034	5.071349034	4.939839034	1.026622325
1.480010094	0.430844031	7.314016854	6.131977248	6.222092248	6.041862248	1.029830207
1.665789814	0.602391154	11.30354325	5.371204652	5.402729652	5.339679652	1.011807824
1.548113736	0.477848731	8.655834627	5.549382811	5.592227811	5.506537811	1.015561502
1.495253587	0.465592385	9.677431636	4.926204585	4.998419585	4.853989585	1.029754905
2.073228734	1.190200363	18.13945845	7.545132218	7.927342218	7.162922218	1.106719014
1.895757964	0.774025971	11.60332152	7.343397728	7.439217728	7.247577728	1.026441938
1.375190107	0.581744537	7.145803418	8.28569669	8.50481669	8.06657669	1.054327879
1.601875349	0.484051199	10.52661736	4.347275885	4.357114635	4.337437135	1.004536665
1.516113357	0.508986962	8.823543732	5.889655318	6.007210318	5.772100318	1.04073214
1.586223542	0.542448485	8.613366791	6.271945176	6.280305176	6.263585176	1.002669398
1.454071019	0.656229067	8.371648788	7.955238627	8.102558627	7.807918627	1.037736049
1.248870197	0.234111416	3.748140168	6.497687153	6.617227153	6.378147153	1.03748424
1.128372479	0.139617439	2.755458386	5.445964287	5.588884287	5.303044287	1.053901115
1.252832007	0.231084623	4.439959624	5.421213356	5.504218356	5.338208356	1.031098449
1.513504792	0.35903351	8.846829052	4.129048487	4.316008487	3.942088487	1.094853274
1.405981499	0.50100579	7.009846313	7.075478072	7.160599322	6.990356822	1.024353907
1.428084978	0.499263153	7.335416371	6.85920087	6.89620087	6.82220087	1.010846939
1.351711036	0.337154918	6.289018329	5.3292733	5.3604983	5.2980483	1.01178736
1.570995637	0.467716954	8.694341513	5.792225176	5.992175176	5.592275176	1.071509357
2.18304682	0.959043728	15.97247841	6.02573316	6.16796566	5.88350066	1.048349616
1.511245891	0.696029355	7.964277664	8.953426499	9.238816499	8.668036499	1.065848823
1.340211033	0.453557496	5.87763819	7.790654258	7.847979258	7.733329258	1.014825439
1.250305685	0.3265459	5.077947467	6.448944231	6.520856731	6.377031731	1.022553596
1.751416757	0.619970369	11.055812	5.853154473	5.878896139	5.827412806	1.008834681
1.56023223	0.506413069	8.040157217	6.296966041	6.391881041	6.202051041	1.030607617
1.525437736	0.41347126	7.210098388	5.623993535	5.837923535	5.410063535	1.079085947
1.24760027	0.257425368	5.116900113	5.058599701	5.135461368	4.981738034	1.03085737
1.350302865	0.441595499	6.64652641	6.771432566	6.797468816	6.745396316	1.007719709
1.546428655	0.591829868	8.072970669	7.268650478	7.425220478	7.112080478	1.044029311
1.230687717	0.255325081	4.468774178	5.768798736	5.770318736	5.767278736	1.000527112
1.918953933	1.110499331	15.45964577	6.931572335	7.070449835	6.792694835	1.040890251
1.262714233	0.406584872	6.010702325	6.940479386	6.959479386	6.921479386	1.005490156
2.32373329	0.915659508	16.3931645	5.818355025	6.013180025	5.623530025	1.069289218
1.198512589	0.23474119	4.015417361	6.016345153	6.089690153	5.943000153	1.024682819
2.967846738	0.552468688	12.16205135	4.561790851	4.641565851	4.482015851	1.035597821
1.647436795	0.731904942	10.84854478	7.453915341	7.783300341	7.124530341	1.092465042
1.31041299	0.381055117	6.422509494	5.885784767	6.153447267	5.618122267	1.095285395
1.375783923	0.460921123	7.845467764	6.271277733	6.344425233	6.198130233	1.023603086
1.451012059	0.547002563	7.219244687	7.858481036	7.899391036	7.817571036	1.010466166
1.601172397	0.577383968	8.032892522	7.442586169	7.576301169	7.308871169	1.036589782

1.410635604	0.524144487	7.477394099	7.253933711	7.377781211	7.130086211	1.034739412
1.255535724	0.214838996	4.86350944	5.333381012	5.619576012	5.047186012	1.113407748
1.564519846	0.362941227	7.223178127	5.343865218	5.376000218	5.311730218	1.012099636
1.535042876	0.713933047	9.790631649	7.060666328	7.267693828	6.853638828	1.060413893
1.949490426	0.848638902	12.15079733	6.435678554	6.866078554	6.005278554	1.143340562
1.265687104	0.308827562	5.34179409	5.844099973	5.874852473	5.813347473	1.010579963
1.412765971	0.440547914	6.668571423	6.963710078	7.060775078	6.866645078	1.028271448
1.507327624	0.562252825	7.567632723	7.870890852	8.171380852	7.570400852	1.079385492
1.292917704	0.294215343	5.819570457	5.403947106	5.429157106	5.378737106	1.009373948
1.568875988	0.545527434	9.358920559	5.629496564	5.680776564	5.578216564	1.018385805
1.457224249	0.485678494	7.656032522	6.553028738	6.623182072	6.482875405	1.02164266
2.838966208	1.142683664	17.73514867	6.516540161	6.519630161	6.513450161	1.000948806
1.308722898	0.483886179	6.76840254	7.515410837	7.601303337	7.429518337	1.023121957
1.611506815	0.765145713	9.97774153	8.036064702	8.129119702	7.943009702	1.023430665
2.071476043	0.780481513	14.37547088	6.290006599	6.345846599	6.234166599	1.017914183
1.627277225	0.626361942	8.541010228	7.464233848	7.548061348	7.380406348	1.022716229
1.640098531	0.615288584	8.945467392	7.184439073	7.272801573	7.096076573	1.024904607
1.229401983	0.255779019	4.266160767	6.073334027	6.140746527	6.005921527	1.022448678
1.722478324	0.742751045	10.55769251	7.125743767	7.150888767	7.100598767	1.007082501
1.694129294	0.756342832	10.88966715	7.153620367	7.194190367	7.113050367	1.011407202
1.630871633	0.794908872	10.78094739	7.215521251	7.425071251	7.005971251	1.0598204
1.594078858	0.597032099	9.390978887	6.33624471	6.33865221	6.33383721	1.000760203
1.687844069	0.658709168	14.83829788	4.185928699	4.224123699	4.147733699	1.018417287
1.747788247	0.75355929	10.02990225	7.382540137	7.575805137	7.189275137	1.053764808
1.336803365	0.47816274	7.201366483	6.799787821	6.877727821	6.721847821	1.023190052
1.223059983	0.284760051	4.653366186	6.06047453	6.14499953	5.97594953	1.028288392
2.81837064	1.593329967	28.2378784	5.664039263	5.670654263	5.657424263	1.00233852
1.648502352	0.530587157	9.235514501	5.654447284	5.762137284	5.546757284	1.038829894
1.65936423	0.650581505	12.02198938	5.083992501	5.088205001	5.079780001	1.001658536
1.537742302	0.371721774	7.65858338	4.797982715	4.880061048	4.715904381	1.034809159
1.260237805	0.245208697	5.062004156	4.840722834	4.8635245	4.817921167	1.009465355
1.798867949	0.677050268	9.341603651	7.414313892	7.507838892	7.320788892	1.025550525
2.051121881	1.266410003	19.46120683	6.251142105	6.300662105	6.201622105	1.015970015
1.174296343	0.108383661	2.860861355	3.878204088	3.902199088	3.854209088	1.012451322
1.540621473	0.59623241	7.941925154	7.419499687	7.493042187	7.345957187	1.020022578
1.601051698	0.636606249	11.44784053	5.968595496	6.165670496	5.771520496	1.068292229
1.255986676	0.231657482	4.978120951	4.75940131	4.794487977	4.724314644	1.014853654
1.204175002	0.232621893	4.205796075	5.553919219	5.608814219	5.499024219	1.01996536
1.24499374	0.152308191	4.156156166	3.618338517	3.735248517	3.501428517	1.066778459
1.401332586	0.466065246	7.742988284	6.157317248	6.280297248	6.034337248	1.040760069
1.62789798	0.628180253	9.225352226	7.006619834	7.129704834	6.883534834	1.035762149
1.607804016	0.716135744	9.33797863	7.325570984	7.415835984	7.235305984	1.02495126
1.880875813	0.885030798	14.32808399	5.639360661	5.650815661	5.627905661	1.004070786
1.39354615	0.388182581	7.362116175	5.492967213	5.530927213	5.455007213	1.013917488
2.724609676	1.224285528	22.41873887	5.30068998	5.32299498	5.27838498	1.008451449
1.359351236	0.41755013	5.039113987	8.044409687	8.132514687	7.956304687	1.022147216
1.929435915	0.677843112	10.4391449	6.403150651	6.562407317	6.243893984	1.05101197

1.609803947	0.558286578	9.404257236	6.247464206	6.34047754	6.154450873	1.030226363
1.264273471	0.11678622	3.291388427	3.520131057	3.607026057	3.433236057	1.050619881
1.268139157	0.290548089	5.769342685	5.426673068	5.528853068	5.324493068	1.038381119
1.733312448	0.573086766	9.495741969	5.933807967	6.015797967	5.851817967	1.028022061
1.359838465	0.472663535	7.506798697	6.343508161	6.508843161	6.178173161	1.053522294
1.650704536	0.759369099	9.414690135	7.752229827	7.814264827	7.690194827	1.016133531
1.401847839	0.468127012	7.270221216	6.287265461	6.326180461	6.248350461	1.012456087
1.529539678	0.672984776	10.64631064	6.347861301	6.630429634	6.065292968	1.093175494
1.245962594	0.293616295	4.890983534	6.076714576	6.119304576	6.034124576	1.014116381
1.275218856	0.343551327	5.47910849	6.486253966	6.710588966	6.261918966	1.07165056
1.383019243	0.364440316	6.423684587	5.804476268	5.821823768	5.787128768	1.005995201
1.839766503	0.680200573	10.69160861	6.986347556	7.046047556	6.926647556	1.017237776
1.233922378	0.237944895	5.225443344	4.623104171	4.649019171	4.597189171	1.01127428
1.296279894	0.348608724	6.623505732	5.204639572	5.240524572	5.168754572	1.013885357
1.782399789	0.600713686	10.17400586	6.178806106	6.317466106	6.040146106	1.045912797
1.31722946	0.383389425	6.88819919	5.506907622	5.665109288	5.348705955	1.059155118
1.366170337	0.411890047	5.91100277	7.143121206	7.165499539	7.120742872	1.006285393
1.840725256	0.729771036	11.25046159	6.306093451	6.375548451	6.236638451	1.022273217
1.776851827	0.684311852	10.29587321	6.398487383	6.597267383	6.199707383	1.064125607
1.487468321	0.627126006	8.626213999	7.341636609	7.459141609	7.224131609	1.032531246
1.217852923	0.348942794	5.537619301	6.44271914	6.71101414	6.17442414	1.08690527
1.860505752	0.732725691	13.2408594	5.379466495	5.479691495	5.279241495	1.03796947
1.41821429	0.408364266	6.170578388	6.671477142	6.785752142	6.557202142	1.034854805
1.996805626	0.99344669	13.88508457	7.315185169	7.583510169	7.046860169	1.076154484
1.275634011	0.238470961	6.153103451	3.908434264	3.928149264	3.888719264	1.010139585
1.838783951	0.733893465	12.06380071	5.878554972	6.086799972	5.670309972	1.073451011
1.646575668	0.466496149	8.680697359	5.45631916	5.57460416	5.33803416	1.044317813
1.522612904	0.560372992	7.159123255	7.844435355	7.941445355	7.747425355	1.025043158
2.07899871	0.95097664	16.96789473	6.015039597	6.120664597	5.909414597	1.035748042
1.509870206	0.459773353	8.274423693	5.636963606	5.678328606	5.595598606	1.014784835
1.210037689	0.205828004	3.234129071	6.48546964	6.59994464	6.37099464	1.035936304
1.36987125	0.267025547	5.815663413	4.569751714	4.573161714	4.566341714	1.001493537
1.465884825	0.408263137	7.154483447	5.752720347	5.824832347	5.680608347	1.02538883
2.109848494	0.825252813	13.32652316	6.410277346	6.491642346	6.328912346	1.025712159
2.319056944	0.779515942	10.82058831	7.350360735	7.365970735	7.334750735	1.00425645
1.116311703	0.182378452	2.574380205	7.081778707	7.082206207	7.081351207	1.00012074
1.425244612	0.545117303	8.745881169	6.29537064	6.57984064	6.01090064	1.094651373
1.435140315	0.51282032	7.228695353	7.163225326	7.183792826	7.142657826	1.005759061
1.782256502	0.624636018	11.30235636	5.381618414	5.414618414	5.348618414	1.012339635
2.074799459	0.871183618	12.82819724	7.127012748	7.128015248	7.126010248	1.000281364
1.31253859	0.440157464	5.637026295	7.955581271	8.043571271	7.867591271	1.02236771
1.24565901	0.445332278	4.725700881	9.353337597	9.453292597	9.253382597	1.021603992
1.705680945	0.897810423	10.35448516	8.524157183	8.705492183	8.342822183	1.043470901
1.456719535	0.641105152	9.310602289	6.906327531	7.156470864	6.656184198	1.075161181
2.505924009	1.18281737	18.61200324	6.380884835	6.435974835	6.325794835	1.017417574
1.26872173	0.368633536	5.298026959	7.262688857	7.402201357	7.123176357	1.039171429
1.848839584	0.761109015	16.1605275	4.5857647	4.6867347	4.4847947	1.045027702

1.405493367	0.408409721	6.777174882	6.278004944	6.295364944	6.260644944	1.005545755
2.859331262	1.773956194	23.399662	7.964246193	7.988241193	7.940251193	1.006043889
2.296652825	1.133077776	15.11242538	6.88121651	7.11018151	6.65225151	1.068838347
1.486486305	0.652686542	8.396347848	8.0153421	8.0913596	7.9393246	1.019149614
1.222089759	0.166616953	3.804132036	4.312012782	4.312825282	4.311200282	1.000376925
1.299308989	0.520511879	5.4796925	9.574095808	9.602105808	9.546085808	1.005868374
1.835504063	0.553160983	8.564752396	6.264110518	6.410415518	6.117805518	1.047829242
1.64674615	0.486574192	8.042183585	6.097494194	6.363517527	5.831470861	1.09123713
1.465217924	0.575641056	7.372504631	8.102139519	8.205849519	7.998429519	1.025932591
1.66441928	0.697260663	9.36562657	7.762895507	7.838358007	7.687433007	1.019632691
1.6358929	0.756261207	12.57596067	6.258390071	6.398020071	6.118760071	1.045639966
1.749727795	0.684100343	10.18243089	6.782117417	6.782512417	6.781722417	1.00011649
2.863829429	1.655389986	30.37190431	4.927913335	5.000978335	4.854848335	1.030099807
1.721910698	0.755818749	11.28557555	6.686009912	6.924034912	6.447984912	1.073829267
1.21231338	0.306215744	4.464866054	6.749518135	6.753370635	6.745665635	1.001142215
1.549264806	0.457182256	8.990349745	5.402746791	5.403813458	5.401680125	1.000394939
1.478490179	0.442431074	7.44864359	5.990636283	6.093241283	5.888031283	1.034852057
1.481090975	0.739380523	7.902612302	9.424378327	9.537573327	9.311183327	1.024313773
1.848536478	0.917069606	12.51721447	7.083052973	7.399480473	6.766625473	1.093525939
1.665009225	0.728293165	10.03315164	7.372933082	7.516003082	7.229863082	1.039577513
1.699513582	0.498504709	9.209476631	5.256927032	5.500842032	5.013012032	1.097312753
1.50154354	0.492188189	7.880259458	6.303927366	6.422244866	6.185609866	1.038255727
1.797684894	0.850074231	10.34166645	8.62901719	8.73734719	8.52068719	1.025427527
1.223448091	0.145482033	3.696574415	4.064754744	4.074809744	4.054699744	1.004959677
1.46096001	0.559996947	9.418724447	6.112924201	6.120172535	6.105675868	1.002374294
1.415208237	0.572386735	8.555472403	6.84144642	6.96058142	6.72231142	1.035444654
1.208232664	0.272430098	4.230240902	6.474309716	6.597729716	6.350889716	1.038866995
1.504349735	0.675838685	9.309929979	7.325103987	7.426506987	7.223700987	1.028075082
3.812889747	1.954422145	34.97669377	6.735953998	7.036983998	6.434923998	1.093561323
1.579883356	0.548243748	9.328557791	5.946432852	6.207957852	5.684907852	1.092006768
1.37605014	0.42720495	6.520319927	6.615654003	6.626371503	6.604936503	1.0032453
1.463597225	0.58956126	7.384806398	7.817869354	8.091214354	7.544524354	1.072461825
2.142901092	0.97611264	17.05536259	5.726442705	5.823491038	5.629394371	1.034479138
1.767147659	0.833771219	9.764607717	8.554702557	8.779462557	8.329942557	1.053964358
1.285296586	0.333638221	6.187082167	5.108218255	5.159248255	5.057188255	1.020181175
2.777221107	1.976150917	31.68432434	5.508220571	5.538015571	5.478425571	1.010877213
1.366048553	0.489263186	7.318414765	7.210608285	7.262878285	7.158338285	1.014603948
1.311614969	0.426912696	6.839139151	6.315269586	6.342574586	6.287964586	1.008684845
1.580603979	0.578193264	8.083588686	7.198205653	7.394705653	7.001705653	1.05612918
1.536956743	0.546851762	8.691336928	6.316733763	6.360498763	6.272968763	1.013953521
1.433309106	0.502216645	7.835642483	6.57115737	6.73376487	6.40854987	1.05074705
1.425534525	0.704622515	8.365362734	8.636497091	8.789997091	8.482997091	1.03619004
1.588561793	0.791724383	11.14547151	7.270231632	7.297328298	7.243134965	1.007482027
1.50993687	0.716705759	9.1669547	7.371265557	7.467860557	7.274670557	1.026556529
1.14165406	0.162001378	3.20314479	5.273236578	5.316538245	5.229934911	1.016559161
1.770192117	0.800001771	11.56743261	6.952312226	7.184589726	6.720034726	1.069129851
1.771387901	0.621243595	8.927933748	7.029811938	7.171811938	6.887811938	1.041232252

1.64014489	0.620126593	9.334763628	6.439473736	6.613908736	6.265038736	1.05568521
1.659476186	0.723455472	10.56610578	7.059863969	7.100986469	7.018741469	1.011717913
1.417437815	0.419380032	8.174980271	5.329693476	5.339718476	5.319668476	1.003769032
1.686943845	0.730855858	9.467376665	7.667488525	7.870823525	7.464153525	1.05448307
1.47441655	0.454686563	7.601907713	6.155028937	6.184893937	6.125163937	1.009751576
1.753317445	0.668520691	10.63791354	6.408692211	6.441522211	6.375862211	1.010298215
2.713995502	1.482653553	31.44913135	4.539838787	4.596263787	4.483413787	1.025170552
2.443601002	1.137308387	18.54748834	5.950446093	6.030336093	5.870556093	1.027217183
2.312054462	1.135515059	16.22097573	6.124070499	6.147070499	6.101070499	1.00753966
1.389961111	0.430164256	8.129006956	5.278774136	5.363876636	5.193671636	1.032771614
1.289978385	0.348023283	6.024865149	5.786228759	5.786228759	5.786228759	1
1.279947341	0.476247644	5.202751845	9.314677733	9.348908566	9.2804469	1.00737698
1.821964713	0.927045091	12.68315433	7.359396637	7.556196637	7.162596637	1.054952138
1.329230877	0.407100443	5.50696006	7.577338399	7.642715899	7.511960899	1.017406241
1.402464788	0.582794459	6.707384377	8.821658698	8.922868698	8.720448698	1.023212108
1.19520313	0.148930087	3.907273259	3.83355705	3.89048205	3.77663205	1.030145907
1.197821902	0.244573644	4.204114169	5.805554332	5.810446332	5.800662332	1.001686704
3.636553246	1.400431908	35.11888966	3.944555886	4.030145886	3.858965886	1.044359034
1.102233931	0.097272982	2.011529608	4.900233499	4.975443499	4.825023499	1.031174978
1.543511325	0.668319533	9.380354219	6.479527949	6.517407949	6.441647949	1.011760966
1.109941285	0.097294192	2.119937478	4.576394949	4.591029949	4.561759949	1.006416383
1.79585862	0.611449603	12.64162073	4.814276796	4.888371796	4.740181796	1.031262514
1.363498499	0.530492432	6.793268026	7.706986068	7.752396068	7.661576068	1.011853958
1.87863572	0.900832715	12.46002264	7.432832655	7.513132655	7.352532655	1.021842814
1.363053059	0.416000631	6.636006667	6.312006488	6.356871488	6.267141488	1.014317532
1.982950625	0.629325711	10.6177456	6.112754367	6.241799367	5.983709367	1.043132108
1.529387303	0.487423801	8.530674279	5.726735447	5.778855447	5.674615447	1.018369527
2.863323339	1.194250335	16.50914872	8.301435571	8.356995571	8.245875571	1.013475828
1.159685046	0.15103081	3.620527315	3.958207692	4.194882692	3.721532692	1.127192219
1.80822342	0.684255594	12.98673664	5.486809539	5.555159539	5.418459539	1.025228573
1.432718877	0.594164251	7.564414707	7.998046752	8.132174252	7.863919252	1.034112125
1.325782069	0.506575185	6.318148214	8.415271364	8.431681364	8.398861364	1.003907673
1.274204487	0.370196084	5.464017402	6.866317394	6.87888906	6.853745727	1.003668554
1.304707228	0.406148411	6.21983724	6.34212433	6.36744933	6.31679933	1.008018301
1.310257567	0.324867005	4.899347786	6.955965547	7.019295547	6.892635547	1.018376135
1.196324411	0.282945735	4.737537556	6.184890471	6.245110471	6.124670471	1.019664731
1.336712191	0.388079859	5.768483405	6.968828223	7.109018223	6.828638223	1.041059431
1.218171693	0.201726781	5.249399154	3.735816723	3.779391723	3.692241723	1.023603547
1.750478569	0.713647531	12.24896677	5.712692774	5.761962774	5.663422774	1.017399372
1.737822989	0.807609541	10.49962366	7.83383835	7.86223335	7.80544335	1.007275692
1.27591658	0.17506639	4.508552471	3.707004042	3.718739042	3.695269042	1.006351364
1.37775192	0.592219125	7.276602056	8.355463983	8.367373983	8.343553983	1.002854899
2.420398316	1.176824481	17.04313844	7.326631672	7.363431672	7.289831672	1.010096255
1.290441212	0.355432409	5.622393322	6.294010816	6.440724149	6.147297482	1.047732628
1.283586559	0.217011406	4.603118076	4.818755881	4.865435881	4.772075881	1.019563813
1.462126758	0.513254591	7.98501437	6.556399278	6.586444278	6.526354278	1.009207284
2.132811693	0.786504228	16.04928449	4.40948942	4.43803442	4.38094442	1.013031437

1.876614969	0.858423458	13.89193815	6.347462277	6.555327277	6.139597277	1.06771291
1.972837181	0.975203846	17.76400968	5.155281504	5.281111504	5.029451504	1.050037265
1.744663882	0.662660225	8.627179079	7.940699644	8.051984644	7.829414644	1.028427413
1.489397129	0.616063716	8.008657893	7.648522332	7.838742332	7.458302332	1.051008927
1.366745021	0.268584825	6.049609252	5.063525234	5.199935234	4.927115234	1.055371143
1.674991312	0.674390668	10.8968287	6.349604307	6.443099307	6.256109307	1.029889184
1.311845273	0.393755373	6.608887935	5.879779804	5.887334804	5.872224804	1.00257313
1.412519363	0.524783881	6.203063334	8.439405124	8.619905124	8.258905124	1.043710394
1.236954668	0.292458088	4.174425876	7.020519077	7.021834077	7.019204077	1.000374686
1.716589531	0.575237155	9.214366674	6.096418787	6.213058787	5.979778787	1.039011477
2.168321075	1.075057512	14.86954707	7.803844487	7.854621987	7.753066987	1.013098687
1.599590303	0.538039213	9.470560174	5.507421305	5.625078805	5.389763805	1.043659613
2.728050548	0.98775506	16.29308383	5.764817679	5.968002679	5.561632679	1.073066674
1.506068281	0.664959069	9.749272196	7.0430988	7.0844888	7.0017088	1.011822828
1.368022335	0.246736242	5.605451044	4.380423041	4.402188041	4.358658041	1.009987019
1.78012537	0.813041283	11.24279891	7.201557856	7.384642856	7.018472856	1.052172318
1.339418305	0.55561114	7.047322952	8.219545541	8.288058875	8.151032208	1.016810959
1.48824619	0.654829236	9.009939794	6.835169599	6.901904599	6.768434599	1.019719478
1.61017789	0.542743478	10.62709956	4.942982835	4.950737835	4.935227835	1.003142712
1.200104553	0.307688145	4.448828384	7.247615085	7.340450085	7.154780085	1.025950483
1.530614578	0.589875355	8.072104532	7.44826056	7.539497226	7.357023893	1.024802602
1.121517501	0.103733941	2.274316589	4.44374464	4.55248464	4.33500464	1.050168343
1.357222646	0.491234222	6.198221494	8.123824835	8.209749835	8.037899835	1.021379963
1.839786563	0.815765741	11.43113211	7.156910744	7.279055744	7.034765744	1.034726103
1.423711181	0.549990418	6.921667898	8.058967126	8.097487126	8.020447126	1.00960545
1.149776654	0.154973012	3.390624742	4.524874176	4.574866676	4.474881676	1.022343608
1.574143204	0.482311073	7.707616649	6.146380388	6.307715388	5.985045388	1.053912707
1.26188571	0.356205749	5.1179762	7.227844194	7.313372528	7.142315861	1.023949748
1.394360506	0.421317198	7.4406282	5.969751267	6.081466267	5.858036267	1.038140768
1.743247912	0.678461752	10.58175271	6.376890305	6.452190305	6.301590305	1.023898729
1.368926678	0.389045449	5.845824246	6.667609214	6.667776714	6.667441714	1.000050244
2.742382952	1.309300526	20.69248145	6.184531047	6.417376047	5.951686047	1.078245055
1.871471179	0.69253435	11.56750612	6.187813978	6.323173978	6.052453978	1.044728965
1.390617635	0.435204316	6.835628722	6.314070962	6.362380962	6.265760962	1.015420314
1.951874675	0.998372872	14.19508379	6.569575539	6.691475539	6.447675539	1.037812076
1.509927139	0.499869618	7.208186587	6.80375569	6.80431569	6.80319569	1.000164629
1.438573027	0.524814133	7.505352002	6.705861047	6.839446047	6.572276047	1.040651062
1.554953118	0.522630826	10.56416089	4.900209227	4.913927977	4.886490477	1.005614971
1.338779373	0.253694224	7.478552692	3.341493064	3.407693064	3.275293064	1.040423864
1.559253755	0.541599681	8.722248176	6.264763419	6.502243419	6.027283419	1.07880167
1.95325874	0.733059407	11.95632431	6.451739731	6.608874731	6.294604731	1.049926884
1.493755779	0.63804136	9.035068462	7.12903298	7.22951548	7.02855048	1.028592667
1.331389771	0.444011745	5.7041588	7.933175009	7.966655009	7.899695009	1.008476277
1.964394205	0.987860682	18.10291397	4.920209909	5.004289909	4.836129909	1.034771605
1.303182905	0.233882299	5.634564483	4.160860459	4.177047959	4.144672959	1.007811232
1.39396232	0.290656023	6.479362311	4.491206123	4.590086123	4.392326123	1.045023979
2.280483246	1.142271542	13.43719999	7.65101224	7.72457224	7.57745224	1.019415497

1.327636156	0.336497357	5.435954086	6.234130494	6.314847161	6.153413828	1.02623476
1.641280667	0.908152529	12.09424003	7.233835051	7.507727551	6.959942551	1.078705391
1.25811814	0.208113616	4.563069708	4.473766487	4.624961487	4.322571487	1.069956044
2.317774434	1.188566407	14.5356842	8.408565319	8.427930319	8.389200319	1.00461665
1.541643604	0.498531508	10.55995774	4.593186798	4.605771798	4.580601798	1.005494911
1.597192163	0.757390581	8.349053069	9.142657239	9.207352239	9.077962239	1.014253199
2.161574901	0.939161887	14.70038877	6.310814485	6.382474485	6.239154485	1.022971061
1.709922029	0.441065867	11.56928672	3.868089369	3.899979369	3.836199369	1.01662583
1.284488988	0.325166855	5.005144134	6.581721849	6.685731849	6.477711849	1.032113191
1.960528277	0.755708189	14.37417872	5.571478968	5.686543968	5.456413968	1.042176052
1.774684288	0.83444402	13.30678214	6.276869309	6.575894309	5.977844309	1.100044426
1.46560771	0.571300895	9.89051939	5.909314376	6.014836043	5.803792709	1.036363003
1.811666484	0.851773053	14.5530135	5.883247345	6.128484845	5.638009845	1.08699435
1.678307707	0.630031977	7.784456401	8.744224397	8.834659397	8.653789397	1.02090067
1.561751798	0.577400409	8.041230199	6.854025558	7.284920558	6.423130558	1.134169778
1.89931571	0.773457995	10.51782865	7.688748732	7.822233732	7.555263732	1.03533563
1.791256465	0.65577536	12.3666941	5.692469244	5.753587994	5.631350494	1.021706605
2.822669166	1.450111048	27.41235423	4.907027552	4.941002552	4.873052552	1.013944032
1.952466243	1.098843403	13.43072226	8.739122088	8.943389588	8.534854588	1.047866662
1.751512324	0.596989715	9.610219692	5.642016487	5.711626487	5.572406487	1.02498382
1.640221057	0.797281728	10.71351062	7.22217396	7.86751396	6.57683396	1.196246402
1.761093663	0.992514304	9.783287358	10.14249675	10.46238675	9.822606754	1.065133423
1.634301875	0.622320389	9.7657015	5.816454281	5.922659281	5.710249281	1.037198026
1.330970931	0.541065583	5.503054439	9.638730637	9.739355637	9.538105637	1.021099578
1.79438272	0.527695305	10.53591472	5.167262241	5.270413491	5.064110991	1.040738147
1.457695384	0.496398908	8.864334121	5.798008952	5.855083952	5.740933952	1.019883524
1.541618872	0.574375998	7.776404233	7.528435375	7.583030375	7.473840375	1.014609624
1.281149603	0.442006327	4.836262298	9.430783499	9.511523499	9.350043499	1.017270508
1.328471203	0.494876863	5.865263529	8.484832691	8.643107691	8.326557691	1.038016911
1.26761234	0.39743182	5.735347047	7.123428954	7.167755204	7.079102704	1.012523127
1.498776805	0.443334162	8.308595016	5.375318018	5.379173018	5.371463018	1.001435363
1.376059982	0.52060956	6.395264512	8.097869031	8.307779031	7.887959031	1.053222893
1.444222239	0.530754855	8.490440604	6.492864355	6.617026855	6.368701855	1.038991463
1.502986768	0.856460279	8.961465552	9.387465039	9.501830039	9.273100039	1.024665969
1.349135372	0.320746756	5.343289616	6.199062002	6.359227002	6.038897002	1.053044455
1.229699366	0.292219762	4.93077044	5.700139532	5.867732032	5.532547032	1.060584212
1.43157916	0.534170662	6.898296216	7.675704084	7.725214084	7.626194084	1.012984196
1.60861135	1.099459576	11.4779952	8.635368136	8.798863136	8.471873136	1.038597131
1.740523556	0.846272303	15.7519106	5.25487776	5.297514427	5.212241094	1.016360205
1.278072158	0.341286253	5.510985337	6.130130874	6.144042124	6.116219624	1.00454897
1.636236079	0.827871263	11.88959613	6.965117102	7.009769102	6.920465102	1.012904335
1.328783655	0.32641552	5.733881422	5.885694766	5.906436432	5.864953099	1.007073089
1.436685199	0.55479654	8.042154409	7.047046855	7.146411855	6.947681855	1.028603785
1.284981796	0.311961474	6.385429014	5.040471851	5.152501851	4.928441851	1.045462645
1.506095767	0.617685516	9.574835163	6.255782631	6.595522631	5.916042631	1.114853804
1.422366384	0.52016637	7.429209658	6.85402821	6.86541821	6.84263821	1.003329125
1.56340288	0.628250388	9.022380426	6.926536507	7.018966507	6.834106507	1.027049622

1.295380607	0.389692427	5.199013905	7.602857407	7.605882407	7.599832407	1.00079607
3.057294813	2.002198892	27.21334807	6.840564358	6.920354358	6.760774358	1.023603805
1.298757512	0.25604308	4.721181727	5.937184405	6.054623155	5.819745655	1.040358723
1.30874056	0.366729737	6.534338187	5.420657679	5.495621012	5.345694346	1.028046247
1.932183027	0.81665314	15.49858968	5.171615285	5.213060285	5.130170285	1.016157358
1.482757068	0.609541865	8.263390377	7.538422712	7.737142712	7.339702712	1.054149332
3.139239494	1.327364423	19.77661176	6.67349399	6.77107399	6.57591399	1.029678004
1.357387953	0.364510667	5.978949704	6.193577752	6.197657752	6.189497752	1.001318362
1.364501342	0.550351502	7.788904881	7.433776762	7.541141762	7.326411762	1.029309027
1.581528311	0.380269834	7.37172562	5.370050483	5.413422983	5.326677983	1.016285009
2.016518845	0.765989346	11.32079405	6.366602932	6.603270432	6.129935432	1.077216963
2.02000606	0.532927198	9.644623733	5.527769787	5.564887287	5.490652287	1.013520252
1.249460749	0.431274397	4.931785319	8.726804736	8.903758069	8.549851402	1.041393312
1.442286683	0.432775606	6.873653339	6.547311799	6.614426799	6.480196799	1.020713877
1.630713962	0.743921187	10.20782056	7.354463295	7.623588295	7.085338295	1.075966733
1.149426364	0.263712374	3.114279724	8.491461782	8.557796782	8.425126782	1.015746944
1.993381373	0.772956646	12.1261493	6.50092488	6.52906988	6.47277988	1.008696418
2.04391249	0.745664813	10.21701981	7.602092142	7.689757142	7.514427142	1.023332451
1.477468738	0.459437666	6.439409977	6.994774063	7.091062397	6.89848573	1.027915788
1.141001267	0.11461918	2.865581464	3.901857962	3.901857962	3.901857962	1
1.842012111	0.877258717	11.34306794	7.917107625	8.002527625	7.831687625	1.021813945
1.399757406	0.507420801	6.63987692	7.864228038	7.908596372	7.819859705	1.011347603
1.735620901	0.835022777	11.69228449	7.057992189	7.269702189	6.846282189	1.061846706
1.202338913	0.198071933	4.333614345	4.601887697	4.627217697	4.576557697	1.011069455
1.708754121	0.766090936	12.16160924	5.733306388	5.814161388	5.652451388	1.028608826
1.328567713	0.563348385	5.726163927	9.836830514	9.856695514	9.816965514	1.004047075
1.482916868	0.379270393	6.179814881	6.128176575	6.159979075	6.096374075	1.010433251
1.532829839	0.677972355	9.217722773	7.448996598	7.505696598	7.392296598	1.015340294
1.292822831	0.501980537	6.568331172	7.452902548	7.466657548	7.439147548	1.003698004
1.579708274	0.73666284	9.829959408	7.528787652	7.564900652	7.492674652	1.009639548
1.456691949	0.818962969	9.649239851	8.460173696	8.681263696	8.239083696	1.053668589
2.290974266	1.137714988	16.51687052	7.31286272	7.36074772	7.26497772	1.013182422
1.313511913	0.335065404	6.199518569	5.304349722	5.305899722	5.302799722	1.000584597
1.641609984	0.685980637	9.796697292	7.65628657	7.67936157	7.63321157	1.006045948
1.563726808	0.635402037	8.846315166	7.268074952	7.468774952	7.067374952	1.056796194
1.447723821	0.48904839	8.394002383	5.920147495	6.070481245	5.769813745	1.052110434
1.290647635	0.287715117	4.995508157	5.892246437	5.952913937	5.831578937	1.020806543
1.509678674	0.526646855	8.598014434	6.366503396	6.409428396	6.323578396	1.013576174
1.981970467	0.667624539	13.73628021	4.810040728	4.901675728	4.718405728	1.038841509
1.285813826	0.366205943	5.770045941	6.436512079	6.492222079	6.380802079	1.017461755
1.552491843	0.521446485	9.561860925	5.449996616	5.470538283	5.429454949	1.007566751
2.019866544	0.727367579	11.28246482	6.648441728	6.665266728	6.631616728	1.005074177
1.426533892	0.508850924	6.549545336	7.817405449	7.821355449	7.813455449	1.001011076
1.328423044	0.383862534	6.802756455	5.716708769	5.918458769	5.514958769	1.073164645
1.1266142	0.168592796	2.638463687	6.524041378	6.601198878	6.446883878	1.02393637
1.382340475	0.436948998	6.254049158	7.23249153	7.290364863	7.174618197	1.016132798
1.901906689	0.8457459	10.3328477	8.751495894	8.829035894	8.673955894	1.017878809

1.406885689	0.384707164	5.885185132	6.513671627	6.744216627	6.283126627	1.073385438
1.685894813	0.755152886	12.07761452	6.488794456	6.606457456	6.371131456	1.036936296
1.352730376	0.377343203	5.697412102	6.814753393	6.881078393	6.748428393	1.019656428
1.346742479	0.352209906	5.062020528	7.141234834	7.230014834	7.052454834	1.025177049
1.566056545	0.548902562	9.678822188	6.076132052	6.238372052	5.913892052	1.05486742
2.934423708	1.941745103	32.4866122	5.681780462	5.722660462	5.640900462	1.01449414
1.699930827	0.698144057	12.37977797	6.04359718	6.43870218	5.64849218	1.139897512
1.165968955	0.299077461	4.602316655	6.44188709	6.442898756	6.440875423	1.000314139
1.194349851	0.238296155	3.618417728	6.756906996	6.788081996	6.725731996	1.009270366
1.450021246	0.714446399	7.442643281	9.697367342	9.775154842	9.619579842	1.016172744
1.300940256	0.469642601	5.627039192	8.395207914	8.447150414	8.343265414	1.01245136
1.676896633	0.680758161	11.27723107	6.341823669	6.451348669	6.232298669	1.035147545
1.554621564	0.84245359	9.233318336	9.597126242	9.635496242	9.558756242	1.008028241
1.418112396	0.779382105	8.29394032	9.41346445	9.56414195	9.26278695	1.032533945
4.615367647	1.800209517	37.63038131	6.515608908	6.791968908	6.239248908	1.088587586
1.381559981	0.51887746	7.865745781	6.443523823	6.509932157	6.37711549	1.020827076
2.180620511	0.878772653	12.45287067	6.642713469	6.645070969	6.640355969	1.000710052
1.492784899	0.379468688	7.21459056	5.166048431	5.195713431	5.136383431	1.011550929
1.609357829	0.740138116	10.70277783	7.126894202	7.378436702	6.875351702	1.073172257
1.491044679	0.743236056	9.672405162	7.699982159	7.789317159	7.610647159	1.023476322
2.039304745	0.911138506	12.85572229	6.922552497	7.382142497	6.462962497	1.142222704
3.065407474	1.136608356	30.57544464	3.988071825	4.134201825	3.841941825	1.076070907
3.684384733	2.186902321	41.84432386	5.365073531	5.796678531	4.933468531	1.174970205
1.273553484	0.402202273	5.830082785	6.665188347	6.818665014	6.51171168	1.047138655
1.14585775	0.14788058	3.419273546	3.999609638	4.298659638	3.700559638	1.161624202
1.342505986	0.353466101	7.49483576	5.040311228	5.094354561	4.986267894	1.021676867
1.950589362	0.772591178	11.41116627	6.898777973	6.99424464	6.803311307	1.028064765
1.427360555	0.475878358	6.206592135	7.817104277	7.916304277	7.717904277	1.02570646
1.306122397	0.526576761	6.080542306	8.897193894	8.964953894	8.829433894	1.015348662
1.147299244	0.270600654	3.458443497	7.806383156	7.824298156	7.788468156	1.004600391
1.522385894	0.54900896	6.295131999	8.725480398	8.839770398	8.611190398	1.02654453
1.405508385	0.808509936	7.303296346	10.32467433	10.38655433	10.26279433	1.012059094
2.318143052	1.398467906	25.93261397	4.909147361	4.950034861	4.868259861	1.016797583
1.504150817	0.494328604	8.215958252	6.5224497	6.6945672	6.3503322	1.0542074
1.356151161	0.33272001	6.035429003	5.545276897	5.602920647	5.487633147	1.021008602
1.85067993	1.043428287	11.0496836	9.447277456	9.694152456	9.200402456	1.053666131
1.134837428	0.098568288	2.373367608	4.063052107	4.089087107	4.037017107	1.012898137
1.386821779	0.585880527	7.296042666	7.890421054	8.002671054	7.778171054	1.028862826
1.194539163	0.170788289	3.780324978	6.043209557	6.174189557	5.912229557	1.044308158
1.587847577	0.633397129	9.295314538	6.75922147	6.83632647	6.68211647	1.023078017
1.361058249	0.571027763	6.339166731	9.26518653	9.27002153	9.26035153	1.001044237
1.684718657	0.783767937	9.675728335	8.296733231	8.355038231	8.238428231	1.014154399
1.888919266	1.092651942	15.18271392	7.429597037	7.465065371	7.394128704	1.009593648
1.691501007	0.70080374	10.90269631	6.424391559	6.596226559	6.252556559	1.054964717
1.400252147	0.499727131	6.17106648	8.014407616	8.220272616	7.808542616	1.052728149
1.34200214	0.451223689	6.996286901	6.557192555	6.584754221	6.529630888	1.008442029
1.466853051	0.377662137	6.636781265	5.953226365	6.127981365	5.778471365	1.060484855

1.942799912	0.777597602	11.64188411	7.046050748	7.250495748	6.841605748	1.059765209
3.246618306	1.426287631	19.60281968	6.157298256	6.254208256	6.060388256	1.031981449
1.433179221	0.420694871	7.023407388	5.84654135	5.889655795	5.803426906	1.014858271
1.581508776	0.555527821	8.169285331	7.102999332	7.373951832	6.832046832	1.079318104
1.261156087	0.391095025	5.677480054	6.715762942	6.747367942	6.684157942	1.009456689
1.542365466	0.653908634	8.841209797	7.735739538	7.771468288	7.700010788	1.009280182
1.433171424	0.449533191	7.261195929	6.277154022	6.417599022	6.136709022	1.04577209
1.344396871	0.447209605	6.606149646	6.687116858	6.730096858	6.644136858	1.012937723
1.293181371	0.447744408	6.014406119	7.264500249	7.533128582	6.995871915	1.076796241
1.464458064	0.974622665	9.784063935	10.48620575	10.80581241	10.16659908	1.062873861
1.286849806	0.238528598	4.875948532	4.852021683	4.883140016	4.82090335	1.012909752
1.74660445	0.891311576	13.24647277	6.798608245	6.847258245	6.749958245	1.014414904
1.425330866	0.336063868	7.05560702	5.094218826	5.390678826	4.797758826	1.123582702
1.836234697	0.641740846	10.86915925	6.060195626	6.382320626	5.738070626	1.112276415
1.868494887	0.965740599	17.53000479	5.17116649	5.24668149	5.09565149	1.029638997
1.801147767	0.551439252	12.1599846	4.56178638	4.66126638	4.46230638	1.044586808
1.842424177	0.840776402	11.28562275	7.152538633	7.205898633	7.099178633	1.015032725
1.221762334	0.3014331	4.61405523	6.611727709	6.716507709	6.506947709	1.032205576
1.31781845	0.309870846	5.119579612	6.011323991	6.095292741	5.927355241	1.028332619
2.024416053	1.061605927	21.52902798	4.541359286	4.640494286	4.442224286	1.044633046
1.425574483	0.588136835	7.680220968	7.669130476	7.775495476	7.562765476	1.028128599
2.08955964	0.89632786	14.82317545	6.246374869	6.397229869	6.095519869	1.049497009
1.526716468	0.781072176	8.150606097	10.0689663	10.1431113	9.994821295	1.014836683
1.700209417	0.6689918	8.970107	7.718135485	7.778040485	7.658230485	1.015644606
1.415452483	0.450384397	8.200127621	6.14377796	6.17357796	6.11397796	1.009748154
1.173484567	0.30124862	3.670927365	8.181723084	8.20136475	8.162081417	1.004812906
1.33924444	0.385260221	5.92097526	6.821076544	6.888236544	6.753916544	1.01988772
1.82383432	0.737049443	12.93974686	5.293408369	5.343266702	5.243550036	1.019017014
1.36902972	0.300685721	6.986304613	4.15337306	4.17833306	4.12841306	1.012091813
1.586669954	0.466409071	9.015856501	5.04586073	5.05880323	5.03291823	1.005143139
1.374037729	0.494626834	6.366817587	7.93241768	7.93737268	7.92746268	1.001250085
1.393261839	0.172998358	5.081121178	3.313381592	3.364711592	3.262051592	1.031470992
1.883739072	0.588536749	14.1750783	4.081649673	4.148174673	4.015124673	1.033137203
1.481143248	0.435624964	7.087938267	6.243330792	6.269062459	6.217599126	1.008277043
1.62668295	0.75302557	10.77568079	7.201569319	7.388464319	7.014674319	1.053286865
1.279696928	0.232444741	5.229214456	4.329791088	4.416256088	4.243326088	1.040753408
1.288772577	0.457315111	4.98718336	9.539053275	9.578943275	9.499163275	1.008398634
1.440153524	0.749888868	9.083587915	8.493532647	8.711157647	8.275907647	1.052592419
1.863287689	0.710116338	14.79127896	4.791089345	4.819576845	4.762601845	1.011962999
1.423491434	0.365189462	6.950499436	5.141331441	5.311941441	4.970721441	1.068645971
1.36933972	0.402704052	7.127501222	5.973921159	6.035312826	5.912529492	1.020766634
1.50826614	0.651035625	9.697039698	6.450432749	6.562201083	6.338664416	1.035265578
1.573178034	0.636107442	10.22315061	6.296238878	6.419278878	6.173198878	1.039862639
1.292642719	0.354270242	5.957567486	5.924557032	5.942662032	5.906452032	1.006130584
1.353533471	0.357773563	6.095651653	5.876686713	5.881481713	5.871891713	1.001633205
1.498388569	0.35230497	7.523390418	4.678119609	4.866229609	4.490009609	1.083790467
1.24596291	0.16257882	4.289031255	3.756791456	3.942196456	3.571386456	1.103828024

1.584026611	0.652632201	9.803524941	6.560509899	6.665508233	6.455511566	1.032529826
1.726502246	0.777210744	11.11084507	7.081005638	7.143575638	7.018435638	1.017830184
1.233768415	0.39128997	5.307937583	7.529849975	7.590419975	7.469279975	1.016218431
1.25383741	0.432736856	4.378332272	9.980306831	10.06090183	9.899711831	1.016282292
1.25767404	0.235147238	4.084466963	5.68504261	5.746144917	5.623940302	1.021729359
1.414904427	0.646887206	8.056084285	7.992617758	8.138339424	7.846896091	1.037141225
1.378285749	0.385940739	7.449848717	5.226521089	5.232451089	5.220591089	1.002271773
1.225403738	0.190176826	4.271944888	4.443474373	4.469592706	4.417356039	1.011825324
1.278848791	0.163528665	4.210422421	3.862451751	4.008791751	3.716111751	1.078759741
1.305437151	0.339286851	5.371586599	5.979456033	6.131958533	5.826953533	1.052343819
3.047522444	1.276387122	30.18624879	5.489768732	5.718303732	5.261233732	1.086875061
1.212581137	0.217642469	5.20332079	4.359757364	4.576519864	4.142994864	1.104640487
1.351092066	0.490592792	6.324777873	7.744713768	7.901878768	7.587548768	1.041427081
1.54103565	0.439226211	7.311849519	6.206136555	6.292876555	6.119396555	1.028349201
1.257524054	0.265821178	4.724402277	5.538032277	5.579451027	5.496613527	1.015070643
1.713481389	0.688091273	10.2923508	6.31235616	6.52711116	6.09760116	1.070439176
1.573044048	0.420518208	7.67082526	5.427172421	5.492265754	5.362079088	1.02427914
1.210153519	0.356374183	4.464943449	7.991254678	8.148359678	7.834149678	1.040107735
2.323720155	0.815711728	12.14740404	6.834294678	7.073934678	6.594654678	1.072677043
1.37574177	0.541671524	8.538782184	6.4563628	6.7295203	6.1832053	1.08835466
3.605221584	0.916758033	19.53344759	4.987267382	5.124267382	4.850267382	1.056491731
2.167009957	0.726684484	10.00748206	7.30363731	7.33787731	7.26939731	1.009420313
1.357513414	0.458550484	6.666621875	6.611446181	6.682831181	6.540061181	1.021830071
1.196379705	0.129258568	3.392894475	3.813157152	3.855962152	3.770352152	1.022706102
1.608437165	0.60704342	8.047806632	7.529478682	7.801383682	7.257573682	1.074930001
1.667644584	0.621935494	9.928788251	5.594896377	5.597961377	5.591831377	1.001096242
1.285879726	0.369984116	5.861833957	6.257016999	6.353431999	6.160601999	1.031300513
1.813949222	0.872840796	13.4600856	6.208594064	6.301149064	6.116039064	1.030266321
1.546080638	0.56187212	8.696414234	6.482683923	6.594768923	6.370598923	1.035188214
1.694183025	0.721692427	9.710503896	8.194182286	8.373127286	8.015237286	1.044651205
1.97921763	0.991505917	14.29172131	7.061790803	7.167450803	6.956130803	1.030378957
1.926575102	1.004493702	18.40984489	5.025100752	5.048520752	5.001680752	1.009364852
1.302157034	0.346456139	5.394863011	6.403166473	6.479681473	6.326651473	1.024188151
1.43012417	0.471952497	6.711914058	6.863029672	6.989659672	6.736399672	1.03759575
2.301998091	0.866031223	17.82523681	4.86866364	4.878425307	4.858901974	1.004018055
1.380710766	0.497963955	6.890494796	7.339676234	7.448406234	7.230946234	1.030073519
1.337371555	0.584336636	6.618528325	8.820998584	8.893571084	8.748426084	1.016590984
2.896187692	1.617421119	24.21079531	5.972662827	6.021357827	5.923967827	1.016439995
1.397590603	0.401192109	6.143632884	6.501674489	6.513091989	6.490256989	1.003518351
1.872102267	0.781295044	12.39640223	6.847833129	7.017148129	6.678518129	1.050704362
1.242608239	0.291864528	4.602245826	6.55756423	6.79669423	6.31843423	1.075692803
1.850011399	0.888926193	15.77387779	5.473993682	5.506918682	5.441068682	1.012102402
5.130619022	2.267206862	37.38960348	5.880334964	6.715039964	5.045629964	1.330862551
2.400474213	1.325329586	18.00190646	7.213534249	7.249344249	7.177724249	1.009978093
1.278646713	0.366303125	7.461508564	5.006605084	5.014382584	4.998827584	1.00311173
1.675330423	0.703301656	10.49406065	6.191019059	6.408705726	5.973332393	1.072886172
1.388639321	0.474355555	5.822878563	8.598678294	8.719158294	8.478198294	1.028421133

1.511874821	0.52834432	7.434787618	7.21392151	7.28146151	7.14638151	1.018901874
1.20884786	0.342040944	3.442382729	10.15614981	10.18815814	10.12414148	1.00632317
1.238976415	0.316310347	6.359113756	5.829413039	5.974273039	5.684553039	1.050966188
1.194185181	0.242832032	4.063825946	6.109271955	6.161161955	6.057381955	1.017132814
1.42944441	0.381246135	6.893527139	5.662149939	5.729494939	5.594804939	1.024074119
1.457456076	0.606765847	6.819767716	9.080047558	9.261707558	8.898387558	1.040829869
1.55525072	0.470198056	7.865312806	6.004806446	6.172371446	5.837241446	1.057412393
1.23863911	0.293470916	4.734037912	6.148079509	6.182162009	6.113997009	1.011149008
1.329325569	0.485704879	7.321277522	6.731200306	6.788017806	6.674382806	1.017025544
4.252110897	0.975683366	17.46639619	6.255164642	6.361694642	6.148634642	1.034651595
1.335680194	0.439874466	5.713351968	7.703025122	7.872994122	7.533056122	1.045126174
1.456900132	0.430092953	7.661158292	5.580142398	5.720797398	5.439487398	1.05171627
1.487387193	0.617468759	7.57094706	8.577905512	8.663533012	8.492278012	1.020165967
1.35332965	0.3815273	6.388525276	5.939448057	6.086260557	5.792635557	1.050689362
1.223968019	0.316802533	4.809219899	6.630844948	6.666926198	6.594763698	1.010942394
1.391068419	0.5489884	7.524952844	7.420894361	7.522107694	7.319681028	1.027655121
1.346031285	0.570842634	6.922798659	8.16660231	8.269313977	8.063890643	1.025474469
1.438341546	0.48338007	8.273513883	5.159556535	5.160671535	5.158441535	1.000432301
2.219490254	0.886304284	15.84324661	5.376029572	5.445074572	5.306984572	1.026020426
1.571625494	0.685701016	9.177156855	7.427087361	7.446212361	7.407962361	1.005163363
1.567075006	0.683844989	9.082430767	7.782789422	7.904046922	7.661531922	1.031653591
1.234116597	0.268493753	3.516559401	7.553349891	7.577584891	7.529114891	1.006437676
1.672795928	0.59223018	8.777171037	6.30628809	6.45458009	6.15799609	1.048162421
1.362569953	0.285681498	5.875774121	4.964665419	4.974445419	4.954885419	1.003947619
1.263684508	0.297695096	5.277435495	5.560437554	5.609480054	5.511395054	1.017796765
1.418938297	0.643123716	7.613147059	8.574741208	8.778056208	8.371426208	1.048573563
1.44588591	0.507241833	6.612589467	7.950749687	8.043129687	7.858369687	1.023511238
1.208787923	0.252411453	4.069331467	6.509929625	6.587839625	6.432019625	1.024225672
1.321944905	0.399970044	6.098672634	6.668310193	6.694340193	6.642280193	1.00783767
1.274065692	0.418500917	5.213927851	8.210078912	8.296358912	8.123798912	1.021241294
1.39004645	0.472406921	6.707560478	7.096813449	7.109493449	7.084133449	1.003579831
1.290426808	0.460170143	5.717043637	8.221547559	8.302782559	8.140312559	1.019958693
1.18704252	0.294834684	3.860058691	7.727832068	7.765057068	7.690607068	1.00968064
1.516127942	0.593499322	7.975684127	7.430340671	7.446005671	7.414675671	1.004225404
1.204927069	0.394980401	4.605123769	8.754885889	8.809537139	8.700234639	1.012563167
1.317819626	0.493702228	6.070297184	8.639902611	8.724950111	8.554855111	1.019882862
1.269838733	0.460168921	5.361769853	8.775375784	8.792605784	8.758145784	1.003934623
1.269894499	0.46850582	5.299157318	9.088019575	9.317844575	8.858194575	1.051889806
1.605312488	0.788070046	8.706213369	9.406034361	9.441264361	9.370804361	1.007519098
2.295190853	1.124054039	15.73433144	8.035252825	8.073837825	7.996667825	1.00965027
1.764548452	0.828378959	11.87689501	7.200472714	7.324855214	7.076090214	1.035155713
3.191819662	1.7074915	24.72543952	6.610569821	6.637414821	6.583724821	1.008154958
1.308596847	0.331756034	5.436404828	6.566679078	6.620954078	6.512404078	1.016668192
1.311844815	0.539272129	7.627791526	7.266877958	7.333677958	7.200077958	1.018555355
1.293666438	0.645703581	6.533010794	10.3210127	10.38774603	10.25427937	1.013015704
1.354376574	0.623030396	7.289154579	8.907663109	8.992593109	8.822733109	1.019252537
1.819456617	1.179498584	14.26588881	7.974878113	8.196388113	7.753368113	1.057139039

1.332957059	0.524428213	6.264367104	8.242610092	8.257540092	8.227680092	1.003629213
1.257664792	0.249333598	4.190725181	6.078552706	6.126387706	6.030717706	1.015863783
1.439527682	0.663926532	8.963578194	7.269940703	7.314269036	7.225612369	1.012269779
1.392058794	0.520862865	6.384687367	8.336006221	8.388371221	8.283641221	1.012642991
1.309272669	0.357824971	5.69106217	6.034078544	6.037303544	6.030853544	1.0010695
1.567174311	0.567207575	9.589722176	6.370237419	6.434105753	6.306369086	1.020255184
1.485726031	0.664953962	8.978382785	7.655014835	7.714587335	7.595442335	1.015686381
1.517223635	0.711719647	8.591034241	8.445870052	8.569175052	8.322565052	1.02963149
1.295583038	0.398713454	5.811660184	6.856572267	6.963213934	6.749930601	1.031597856
1.388443431	0.58009123	7.106324334	8.206154989	8.239569989	8.172739989	1.008177184
2.055995089	0.879368079	18.52648418	4.648047803	4.733157803	4.562937803	1.037304913
1.197275121	0.325894292	4.530305564	7.435204517	7.566869517	7.303539517	1.036055121
1.355615869	0.370378673	7.391922255	4.798214192	4.865184192	4.731244192	1.028309678
1.611878987	0.586261177	8.716346722	6.647044092	6.747530759	6.546557426	1.030699087
3.282222087	1.315706807	23.98013743	5.84953164	5.90651914	5.79254414	1.019676156
2.023772741	1.01324604	19.30748386	4.995352675	5.025635175	4.965070175	1.012198216
1.387719177	0.336059728	6.875989866	4.873924781	4.945079781	4.802769781	1.029630819
1.191883013	0.231407883	4.110826712	5.621367852	5.731207852	5.511527852	1.039858276
1.995248785	0.593861163	14.08035013	4.167754435	4.433719435	3.901789435	1.136329756
1.941521749	1.022492629	15.74466063	6.351441249	6.713921249	5.988961249	1.121049372
1.186618871	0.199956837	3.309383818	6.112981009	6.135191009	6.090771009	1.007293001
3.038624295	0.956397204	20.66529871	6.406501122	6.416231122	6.396771122	1.00304216
1.443022553	0.621901643	6.901793005	9.276211957	9.277670291	9.274753624	1.000314474
2.12451484	1.050247382	16.98186654	6.236904629	6.333646296	6.140162962	1.031511107
1.31398891	0.338196393	6.261207128	5.354730433	5.361675433	5.347785433	1.002597337
1.526299104	0.573033615	7.54753576	7.867665135	8.028277635	7.707052635	1.041679357
1.687068766	0.640760403	11.33134071	5.71736716	5.87143216	5.56330216	1.05538617
1.618802161	0.473150423	8.386883145	5.770384096	5.871241596	5.669526596	1.035578808
1.404517456	0.350354642	5.769036554	6.126816015	6.173343515	6.080288515	1.015304372
1.337960053	0.252247252	6.135171562	3.991679837	4.026627337	3.956732337	1.017664829
1.209559839	0.207231932	4.398106602	4.935731491	5.139333991	4.732128991	1.08605112
1.850386717	0.840724826	9.666408391	8.325384561	8.532721228	8.118047895	1.051080425
1.229445944	0.4316787	4.803903192	9.274498735	9.417346235	9.131651235	1.031286236
2.593112292	1.188462375	19.91570958	5.701031779	5.869486779	5.532576779	1.060895675
1.195124731	0.27257279	4.179818161	7.086388779	7.179928779	6.992848779	1.026753045
1.548504549	0.589604914	8.084465071	7.470382812	7.508037812	7.432727812	1.010132216
1.108117904	0.092285264	2.037478653	4.505067586	4.562197586	4.447937586	1.02568831
1.575214209	0.590658355	8.99446445	6.549644113	6.654044113	6.445244113	1.03239598
1.535155243	0.675348243	8.402605965	7.901504474	8.021919474	7.781089474	1.030950679
1.664534292	0.656832288	9.355600426	7.0885636	7.2274161	6.9497111	1.039959215
1.436394302	0.543940084	7.979366103	6.857111256	7.011938756	6.702283756	1.046201416
1.29499669	0.371341691	5.71442484	6.47384257	6.54501507	6.40267007	1.022232131
1.281599296	0.162316304	3.978108358	4.156913947	4.240573947	4.073253947	1.041077724
1.338149217	0.327007251	6.0319532	5.397394351	5.414091017	5.380697684	1.006206134
1.186232419	0.244822758	4.391962831	5.677161765	5.755241765	5.599081765	1.027890287
3.320373644	1.198709097	24.97225803	4.884581035	4.911221035	4.857941035	1.010967609
1.972838333	0.653147629	11.26762403	5.742219141	5.920871641	5.563566641	1.064222292

1.31390044	0.156491012	4.030347945	3.938118724	4.002448724	3.873788724	1.033212963
1.794588331	0.604180011	10.79900698	5.311908541	5.361523541	5.262293541	1.018856797
2.522990845	1.226163567	19.39804226	5.939769641	5.941524641	5.938014641	1.000591107
1.952899243	0.871578719	13.04085415	7.45836746	7.48079746	7.43593746	1.006032864
1.466413283	0.604575899	8.942988833	6.970756179	7.037391179	6.904121179	1.019302964
2.814416648	0.938217588	18.08988253	5.845869687	6.103869687	5.587869687	1.092342884
1.481041857	0.596539087	8.170040186	7.444206321	7.570061321	7.318351321	1.034394359
1.541451412	0.689309936	9.209441961	7.393925365	7.407325365	7.380525365	1.003631178
1.606583468	0.628651881	8.923090734	6.992457447	7.103117447	6.881797447	1.032160203
1.281375395	0.214771992	5.506927588	3.810860755	3.832742422	3.788979088	1.011550165
1.683240396	0.411393054	9.14631233	5.44375257	5.85085257	5.03665257	1.161654986
1.445884764	0.381425372	7.397978246	5.633629405	5.660389405	5.606869405	1.009545434
1.252802548	0.159331766	3.540589877	4.545747319	4.615447319	4.476047319	1.031143549
1.249778856	0.351374088	5.028092698	6.509763563	6.735031063	6.284496063	1.071689917
1.500827106	0.509619819	6.649829765	7.727905842	7.801764176	7.654047509	1.019299157
2.553410259	1.235913134	18.29815075	6.42236231	6.44429481	6.40042981	1.006853446
2.360056756	1.18973857	19.31157505	5.582100571	5.582100571	5.582100571	1
1.258244454	0.334511195	5.426204483	6.302736191	6.353576191	6.251896191	1.016263866
1.657691896	0.601377592	9.130176821	6.34070629	6.50024629	6.18116629	1.051621326
1.711206645	0.765565195	10.73344158	6.78672061	6.86868061	6.70476061	1.0244483
2.056601792	0.727090174	13.054443	5.420096558	5.476299058	5.363894058	1.020955858
1.647757204	0.749254442	9.460892004	8.148850769	8.392485769	7.905215769	1.061639051
1.417432508	0.449551359	7.360140821	6.152948374	6.229168374	6.076728374	1.025085867
1.574053609	0.621633832	9.354985457	6.79299012	6.85947512	6.72650512	1.019768066
1.511989816	0.442743486	7.811886295	5.902818251	5.972348251	5.833288251	1.023839041
1.800019755	1.101845238	15.21614973	6.813557696	7.047082696	6.580032696	1.07097989
1.81859587	0.776043321	11.93362012	6.386617454	6.479769954	6.293464954	1.02960293
1.373717868	0.42628608	6.835428704	6.496245958	6.576305958	6.416185958	1.024955636
1.428151951	0.353857935	8.155095457	4.471325297	4.489120297	4.453530297	1.007991413
1.460807703	0.243752498	5.846670422	3.936000849	3.967835849	3.904165849	1.016308221
1.79285456	0.611810247	10.29849109	6.167639536	6.376264536	5.959014536	1.070019967
1.720546148	0.656680648	10.87797786	5.750998291	6.014298291	5.487698291	1.095960086
1.355071053	0.502884629	6.437641636	7.884561166	7.909567832	7.859554499	1.00636338
1.30302808	0.442270819	5.589953248	8.009625815	8.070130815	7.949120815	1.015223067
1.562502167	0.545001752	7.267773555	7.635294583	7.702434583	7.568154583	1.017742767
1.766062269	0.701523876	10.04797606	6.530111968	6.581976968	6.478246968	1.016012048
2.601965057	1.410487075	21.67045239	6.762239852	6.898739852	6.625739852	1.041202946
1.210996028	0.36003363	4.80881256	7.553400967	7.721565967	7.385235967	1.04554086
1.576099404	0.490089818	9.106083274	5.485162328	5.494172328	5.476152328	1.003290632
1.197527865	0.198431794	4.122088927	5.02885515	5.03196765	5.02574265	1.001238623
1.78838952	0.704103991	11.05913721	6.525042201	6.703513868	6.346570534	1.056241923
1.326929267	0.37609238	5.016252032	7.483603339	7.556703339	7.410503339	1.019728754
1.408964647	0.527092925	7.886671935	6.587397323	6.679724823	6.495069823	1.028430025
1.414279906	0.416166303	6.743224545	6.528730659	6.556203992	6.501257326	1.008451698
1.14816503	0.151403413	3.634544103	4.307739743	4.347974743	4.267504743	1.018856452
1.490116485	0.540285778	8.295475206	6.666030865	6.712570865	6.619490865	1.014061504
2.038689748	0.729787966	17.35993727	4.147270859	4.178205859	4.116335859	1.015030358

2.55204838	1.31496846	18.08584282	6.875436045	6.889561045	6.861311045	1.004117289
1.246264316	0.366540812	4.766661672	7.801675784	7.989095784	7.614255784	1.049228711
1.225543486	0.320679729	5.225367189	6.259987748	6.302588998	6.217386498	1.013703909
1.335425482	0.207529578	5.326259291	3.75181439	3.79515939	3.70846939	1.023376221
1.671495373	0.803714522	12.36405914	6.505223295	6.732618295	6.277828295	1.072443842
2.126067662	0.812080242	15.62205169	5.043541263	5.111669597	4.97541293	1.027386002
1.322524752	0.325748012	5.096816445	6.444926676	6.593501676	6.296351676	1.047193997
1.263406247	0.416593272	5.924060035	7.412189941	7.518084941	7.306294941	1.028987332
1.546888421	0.546976962	10.94201815	5.49796485	5.61567235	5.38025735	1.043755342
1.176049367	0.239039037	4.508728774	5.201082499	5.250067499	5.152097499	1.019015556
1.901745519	0.855008694	13.2126585	6.431786259	6.436144592	6.427427926	1.001356167
1.310090538	0.318733299	6.322077678	5.174210333	5.335557833	5.012862833	1.064373395
1.205309435	0.265799064	4.192406826	6.275161046	6.433147713	6.117174379	1.051653478
2.10582577	0.62937622	16.03360004	4.093576462	4.308691462	3.878461462	1.110928007
1.216076683	0.132738798	3.390813711	3.915387717	3.990482717	3.840292717	1.039108998
1.790165169	0.625867274	11.3083249	5.276663237	5.338768237	5.214558237	1.023819851
1.211647475	0.296849268	4.433971015	6.756133807	6.827047557	6.685220057	1.021215083
1.39105361	0.329005643	6.891093891	4.9769159	5.1273659	4.8264659	1.062343753
1.414232478	0.457985088	7.066417024	6.313893623	6.352013623	6.275773623	1.012148303
1.466919603	0.660195612	9.547838312	7.055875501	7.056758001	7.054993001	1.000250177
1.795980498	0.702921048	11.8963763	6.458927752	6.679987752	6.237867752	1.070876783
1.267362647	0.499589488	4.57921728	10.80317619	10.83434619	10.77200619	1.005787223
1.230984618	0.240429405	4.966506752	4.620983261	4.685088261	4.556878261	1.028135489
1.404415315	0.58684083	8.232493307	7.416030181	7.501793514	7.330266848	1.023399785
1.345245324	0.433068516	7.109563236	6.175366259	6.246116259	6.104616259	1.02317918
1.773362251	0.690281354	10.49871958	6.70134871	6.73591871	6.66677871	1.010370826
1.478454798	0.634378796	7.43656983	8.367648873	8.572803873	8.162493873	1.050267725
1.453786841	0.599442614	7.88707134	7.558129877	7.638199877	7.478059877	1.021414645
1.76538165	0.947003958	15.39806518	5.980479481	6.197046148	5.763912815	1.075145712
1.687561643	0.42898593	9.340740062	4.536574619	4.564619619	4.508529619	1.012440863
1.794096237	0.858231589	17.90103154	4.675274181	4.676344181	4.674204181	1.000457832
1.277519498	0.300823461	5.84780759	5.154281497	5.208446497	5.100116497	1.021240691
1.866341125	0.900745663	12.85390763	6.999071587	7.01577992	6.982363253	1.004785868
1.349316812	0.488714754	5.838848913	8.810631316	8.848861316	8.772401316	1.008715972
1.990612643	0.890865222	16.04581479	5.889048563	5.928183563	5.849913563	1.013379685
1.43426703	0.768908718	9.115432021	8.035016376	8.158986376	7.911046376	1.031340987
2.180081356	0.985889438	20.04697361	4.762374698	4.813634698	4.711114698	1.021761304
1.509977926	0.482343332	8.631830694	5.436405272	5.447542772	5.425267772	1.004105788
1.512941418	0.391926647	7.863041954	5.039520217	5.095146467	4.983893967	1.022322405
1.296504616	0.223399108	5.599954331	4.079340503	4.159320503	3.999360503	1.039996394
1.410190816	0.394651841	6.059213359	6.685604984	6.755774984	6.615434984	1.021214025
1.408032676	0.556893759	7.501158977	7.414127499	7.452996249	7.375258749	1.010540308
1.259090636	0.307466258	5.924029545	5.132224294	5.19321096	5.071237627	1.024051985
1.348307217	0.362900804	5.398605609	6.753912045	6.816057045	6.691767045	1.018573569
1.282975202	0.316998956	4.250741909	7.528792239	7.593762239	7.463822239	1.017409311
1.429890563	0.586324231	7.576459902	7.753276431	7.788841431	7.717711431	1.009216463
1.275785707	0.288813063	4.914849216	5.820918943	5.88419561	5.757642277	1.021980062

1.242632145	0.419958709	4.293555872	9.57772155	9.71294155	9.44250155	1.028640715
1.925780129	0.745699003	12.26305245	6.860874891	6.878237391	6.843512391	1.005074149
1.670182791	0.479206213	8.185896888	5.884840086	5.937760086	5.831920086	1.018148397
1.254743962	0.418755093	5.853166601	7.465889042	7.468409042	7.463369042	1.000675298
1.351778591	0.546256425	7.621660148	6.841095048	6.927490048	6.754700048	1.025580707
1.527301947	0.442526139	6.881766487	6.489019481	6.848899481	6.129139481	1.117432472
1.174490045	0.351859142	3.550060047	9.984722706	10.11911271	9.850332706	1.027286388
1.262784122	0.309256989	5.083383177	6.1423634	6.1446334	6.1400934	1.000739402
1.629908271	0.685981326	9.233125123	7.386005387	7.410370387	7.361640387	1.006619449
1.318735318	0.231555786	5.627500613	4.373251034	4.377476034	4.369026034	1.00193407
1.474718381	0.698516478	8.119651784	8.750464374	8.862369374	8.638559374	1.025908255
2.013054763	0.981068845	14.71615731	7.041179523	7.258459523	6.823899523	1.063682063
1.454297689	0.526708934	7.423050284	6.858231276	7.060051276	6.656411276	1.060639282
1.239242522	0.500288763	5.231055573	10.10063945	10.14116945	10.06010945	1.008057566
1.351318756	0.40707731	6.939526247	5.714274156	6.108744156	5.319804156	1.148302452
2.658046887	1.412104695	16.15982711	8.136568659	8.270083659	8.003053659	1.033366014
1.394436175	0.485007509	7.956992852	6.176788412	6.244348412	6.109228412	1.022117359
2.551406526	0.799811964	18.92309832	3.995652938	4.024877938	3.966427938	1.014736181
1.653061141	0.731282386	10.52479502	6.798295235	6.857430235	6.739160235	1.017549664
1.816713794	0.73030527	11.39066181	6.235009917	6.357249917	6.112769917	1.039994962
1.748694721	0.892880127	14.23535523	5.907682747	5.995059413	5.82030608	1.030024767
1.62197879	0.50517382	9.479365007	5.376176787	5.415216787	5.337136787	1.014629567
1.749842427	0.893382907	11.67837662	7.732491923	7.764533923	7.700449923	1.008322111
3.146152844	1.254737268	24.80403533	5.07234095	5.22412095	4.92056095	1.061692153
1.533582671	0.573391209	7.328991717	8.01155015	8.046128483	7.976971817	1.008669539
1.282809476	0.494509433	5.837787828	8.649853518	8.808958518	8.490748518	1.037477261
1.299879319	0.452119248	5.544443057	8.367246056	8.477921056	8.256571056	1.02680895
1.884996558	0.642777091	11.81687891	5.370584477	5.484694477	5.256474477	1.043416933
1.51370703	0.65467487	9.861816566	6.901972926	7.145092926	6.658852926	1.073021586
2.039438169	0.981788005	14.50178227	6.991337878	7.077965378	6.904710378	1.025092291
1.406091134	0.483661415	8.682743814	5.624850778	5.847518278	5.402183278	1.082436115
1.768141514	0.848039921	11.68592153	7.410708935	7.490368935	7.331048935	1.021732224
1.426617488	0.502402573	7.81028325	6.417409968	6.543934968	6.290884968	1.040224865
1.50255873	0.564189387	7.618515011	7.318918169	7.445728169	7.192108169	1.035263652
1.235407698	0.204265046	4.694079978	5.418655765	5.429430765	5.407880765	1.003984925
1.183477494	0.222038106	4.247410329	5.352420643	5.441580643	5.263260643	1.033880139
1.7872452	0.719195304	12.73478053	5.667139987	5.832854987	5.501424987	1.060244391
1.378507334	0.420505407	5.858552624	7.186208237	7.212248237	7.160168237	1.007273572
1.399607348	0.380459622	7.485074408	5.009910298	5.088912798	4.930907798	1.032043795
1.377762226	0.355166683	6.745248778	5.009091013	5.065771013	4.952411013	1.022889861
1.108288179	0.092745233	2.155059735	4.255689149	4.294909149	4.216469149	1.018603243
1.856920554	0.911607866	11.60003541	7.863368615	7.866613615	7.860123615	1.000825687
1.507544619	0.385259487	8.32588536	4.682869185	4.866664185	4.499074185	1.081703476
1.368914658	0.579238417	9.145926208	6.481179619	6.760494619	6.201864619	1.090074523
1.472296676	0.613084191	8.67114793	7.105354525	7.134654525	7.076054525	1.008281451
1.188955797	0.126035043	3.275429918	3.889354835	3.936719835	3.841989835	1.024656494
1.563617899	0.521736139	9.201783793	5.749075381	5.824710381	5.673440381	1.026662834

1.939370504	0.698164554	12.82000824	5.736997968	5.750487968	5.723507968	1.004713892
1.43557814	0.540580547	7.269241403	7.562797114	7.583202114	7.542392114	1.00541075
2.866621013	0.706896123	18.01923129	4.065006094	4.076961094	4.053051094	1.005899259
1.285657698	0.481650431	5.27723557	9.311601427	9.388193927	9.235008927	1.016587423
1.795169176	0.622469704	12.2613769	4.962941064	4.973418564	4.952463564	1.004231227
1.357526504	0.248101989	5.582553939	5.00206499	5.13027999	4.87384999	1.052613437
1.950302567	0.822754425	12.54695381	6.840066005	7.332103505	6.348028505	1.15502057
2.027737217	0.75968812	13.45504131	6.342840207	6.360110207	6.325570207	1.005460377
1.822577369	0.681161016	11.26002402	6.27659796	6.30214796	6.25104796	1.008174629
1.238788956	0.422127341	5.19076287	7.933923514	8.132558514	7.735288514	1.051358136
1.570292004	0.579246081	9.016200909	6.420257823	6.580125323	6.260390323	1.051072694
1.609344898	0.732522738	10.9571757	6.827277302	6.979527302	6.675027302	1.045617791
2.144966234	1.121174685	13.85395079	8.49539174	8.49831674	8.49246674	1.000688846
1.278808916	0.27047988	4.875145642	5.890902949	5.914502949	5.867302949	1.008044582
2.134385302	1.18688715	20.32503579	5.933482472	6.157822472	5.709142472	1.078589736
1.408524878	0.431269708	6.332987251	7.105036139	7.180168639	7.029903639	1.021375115
1.484589312	0.670596483	9.854484856	6.750849361	6.837429361	6.664269361	1.025983344
1.629178882	0.639003347	11.39702674	5.675470172	5.945250172	5.405690172	1.099813342
1.498311341	0.329735197	7.579694716	4.31530713	4.45135213	4.17926213	1.065104794
1.616532388	0.547990704	8.155340719	6.97622721	7.05923221	6.89322221	1.024083077
1.536877439	0.503176983	8.327863911	6.135006939	6.208416939	6.061596939	1.02422134
1.756961399	0.558075721	12.49072074	4.427978198	4.456293198	4.399663198	1.01287144
1.315181055	0.39892118	6.683156	6.061797004	6.094109504	6.029484504	1.010718163
1.276168326	0.331487195	5.811179091	5.686245732	5.711095732	5.661395732	1.008778754
1.413523501	0.428515197	7.4483647	5.780519071	5.912434071	5.648604071	1.046707115
1.554437701	0.589196551	8.484212132	7.116081551	7.150210551	7.081952551	1.009638302
1.644049122	0.707336391	9.921270563	7.438233521	7.439993521	7.436473521	1.000473343
1.547871485	0.480980453	8.113237908	5.926758638	5.943116138	5.910401138	1.005535157
1.495492491	0.574467235	8.226478239	6.993550804	6.996574554	6.990527054	1.000865099
1.215041525	0.297888727	4.573145087	6.764228185	6.829723185	6.698733185	1.019554444
1.528667154	0.752658929	8.83076942	8.565058223	8.736573223	8.393543223	1.040868319
1.454246118	0.370274348	5.884510394	6.298302358	6.314817358	6.281787358	1.005258058
1.383292756	0.496928362	7.57832133	6.874424277	6.940794277	6.808054277	1.019497494
1.470644808	0.587585593	7.18727926	7.946218044	8.017393044	7.875043044	1.018076092
3.335677485	1.714676915	33.0423375	5.074860556	5.135570556	5.014150556	1.024215468
1.363472748	0.533766471	7.551194898	7.228525388	7.316000388	7.141050388	1.024499197
1.598368066	0.648494957	8.860234505	7.13474503	7.15485253	7.11463753	1.005652431
1.338741615	0.493842799	5.776304938	8.535517751	8.610182751	8.460852751	1.017649521
1.350225454	0.474437432	6.291034738	8.027594922	8.041379922	8.013809922	1.003440311
1.381167899	0.403327336	7.844252663	5.622834061	5.673424061	5.572244061	1.018157855
2.298229863	0.966278693	19.27083159	5.311834079	5.409109079	5.214559079	1.037309003
1.343691624	0.421009369	5.854168297	7.43626978	7.49289228	7.37964728	1.015345584
1.345736569	0.381605448	6.201327185	6.054978887	6.156341387	5.953616387	1.034050733
1.402220757	0.551616133	6.378056516	8.51772729	8.55668229	8.47877229	1.00918883
1.464491663	0.66988111	8.979044039	7.763419451	7.786812784	7.740026117	1.006044769
1.40776062	0.436836277	6.453005872	6.911204617	6.913186283	6.90922295	1.000573629
1.994044514	0.832144446	12.02376212	6.861701035	6.870541035	6.852861035	1.002579944

1.845390962	0.811288849	12.7420987	6.751412363	7.000034863	6.502789863	1.076466411
1.538523558	0.65010679	8.502121157	7.930986513	8.080921513	7.781051513	1.038538493
1.383320443	0.494940976	6.170703602	8.095788491	8.110363491	8.081213491	1.003607132
1.778350621	0.608660179	12.92748679	4.976909262	5.021991762	4.931826762	1.018282272
3.003619936	1.176491798	28.2585542	4.019585715	4.068890715	3.970280715	1.024837035
1.337965772	0.333646611	6.780628461	4.883166895	5.046666895	4.719666895	1.069284551
1.376275906	0.580686002	7.570849709	7.763216384	7.770581384	7.755851384	1.001899211
1.358972232	0.33963781	6.013754729	5.788422045	5.839452045	5.737392045	1.01778857
2.319770253	1.456542887	25.72014241	5.200911397	5.317406397	5.084416397	1.045824335
1.620019005	0.676921522	10.22261326	6.851600208	6.906605208	6.796595208	1.016186046
1.220740001	0.349852506	5.041035325	6.992132358	6.992207358	6.992057358	1.000021453
1.427176261	0.458002653	6.173380689	7.587923981	7.658543981	7.517303981	1.018788651
1.910302533	0.915540279	13.90045967	6.848005571	6.898470571	6.797540571	1.014848017
1.41837491	0.519382034	8.662557251	5.872230569	5.985930569	5.758530569	1.039489241
1.110189479	0.146623859	3.389317397	4.176260177	4.350005177	4.002515177	1.086817909
1.355197004	0.323980762	5.267176302	6.134427329	6.276899829	5.991954829	1.047554597
1.558242025	0.691663173	9.493539433	7.410354946	7.533584946	7.287124946	1.033821295
1.380193393	0.202091543	5.020762639	4.069054076	4.102064076	4.036044076	1.016357601
1.676553242	0.543689893	9.48644248	5.881489251	5.926585918	5.836392584	1.01545361
1.617237066	0.598862085	7.996054396	7.541559121	7.592875788	7.490242454	1.013702271
1.18592761	0.194069257	3.604140742	5.5336166	5.6600316	5.4072016	1.046758013
1.601701125	0.508120333	10.59198561	4.71513332	4.733849986	4.696416653	1.007970616
1.533664538	0.520002961	8.325834664	6.420457617	6.500249283	6.34066595	1.025168229
1.540974565	0.70980682	10.59643176	6.993109397	7.485959397	6.500259397	1.151640102
1.475568873	0.366284791	8.231393538	4.400631069	4.463871069	4.337391069	1.029160387
1.409995054	0.440836789	6.545198995	7.045520941	7.169517191	6.921524691	1.035829172
1.557801057	0.684724529	9.918317208	6.809189337	6.957329337	6.661049337	1.044479478
1.600804037	0.674532325	9.910551657	7.057572439	7.150429939	6.964714939	1.026665126
1.308693566	0.455132585	6.367572617	7.4499755	7.592778833	7.307172166	1.0390858
1.253425314	0.332228398	4.76582199	7.031037383	7.034632383	7.027442383	1.001023132
1.589024908	0.879665849	11.04142666	7.871114796	7.990366463	7.751863129	1.030767227
1.274052507	0.256476172	4.315611651	6.090363715	6.233132049	5.947595382	1.048008758
1.429446777	0.278366956	6.25287398	5.165893864	5.304023864	5.027763864	1.054946892
1.452759372	0.630905381	8.375337041	7.891974546	7.953654546	7.830294546	1.015754197
1.323768022	0.404335193	6.505648792	6.198221704	6.319491704	6.076951704	1.039911458
1.415409838	0.584033178	8.425462948	7.033283765	7.062748765	7.003818765	1.008413981
1.417523002	0.41774399	7.351760445	5.861377505	5.998934171	5.723820838	1.04806463
1.693504014	0.550018506	10.24500905	5.383948104	5.431683104	5.336213104	1.017890965
1.491169708	0.504652473	8.616852124	5.962587672	6.060047672	5.865127672	1.033233718
2.176116794	0.7533202	16.28737728	4.747818207	5.215393207	4.280243207	1.218480576
1.417474963	0.427110995	6.608325267	6.524746722	6.690406722	6.359086722	1.052101821
1.66994814	0.605329145	9.609219287	6.447100059	6.570380059	6.323820059	1.038989092
1.193240755	0.111869255	3.209974951	3.630022697	3.649822697	3.610222697	1.010968852
1.689470657	0.815339651	13.33343086	5.909538307	5.955904974	5.863171641	1.015816241
1.590495223	0.34891526	7.040357927	5.001293131	5.321873131	4.680713131	1.136979127
1.605102209	0.452010376	8.782188112	5.341587942	5.453902942	5.229272942	1.042956258
1.578044113	0.686682361	9.775016698	7.005334535	7.104014535	6.906654535	1.02857534

1.384586192	0.432046559	7.279965879	6.080579764	6.110077264	6.051082264	1.009749496
1.346265452	0.431631858	7.163571705	5.893805113	5.92227178	5.865338446	1.009706743
1.475121074	0.457062984	6.708110921	6.797873047	6.829303047	6.766443047	1.009289962
1.249903533	0.298971479	5.028665924	6.225557732	6.352912732	6.098202732	1.041768044
1.360755841	0.440924989	5.826822174	7.588123883	7.608505133	7.567742633	1.005386349
1.738856693	0.591436988	8.747706113	6.361736115	6.443107365	6.280364865	1.025912905
1.35941813	0.403335753	6.311796099	6.35534211	6.520625443	6.190058777	1.053402832
1.28755714	0.367814645	5.976347579	6.717506954	6.727751954	6.707261954	1.003054898
1.471142414	0.420514299	8.165654221	5.74003426	5.76186426	5.71820426	1.007635264
1.659977229	0.638616019	9.178586695	7.303459185	7.312859185	7.294059185	1.00257744
1.563102095	0.591798558	9.024296161	6.900714936	6.991834936	6.809594936	1.026762238
1.255054284	0.173972789	4.090760758	4.43133747	4.44239747	4.42027747	1.005004211
1.748566836	0.794510683	11.35519726	6.996378818	7.102313818	6.890443818	1.030748382
1.253196456	0.378295168	5.493608961	6.993443003	7.004688003	6.982198003	1.003221049
1.392878139	0.637102895	7.883684683	8.184740729	8.303485729	8.065995729	1.029443358
1.292521313	0.314336367	4.969989894	6.265141933	6.282906933	6.247376933	1.005687187
1.451972448	0.294396669	5.610578493	5.193750288	5.267015288	5.120485288	1.028616428
1.430773713	0.444589905	8.421358993	5.226726384	5.231683884	5.221768884	1.001898782
1.566773322	0.596401817	8.539054501	7.010295298	7.197890298	6.822700298	1.054991423
1.531098672	0.48339269	8.391778953	5.944558426	6.164043426	5.725073426	1.076674999
1.898132681	0.640187162	12.17227034	5.217498734	5.385290401	5.049707068	1.066456
2.745655049	1.43789542	23.5900691	6.574344191	6.835234191	6.313454191	1.082645725
2.420425587	0.942737587	16.37182603	5.886189988	6.154594988	5.617784988	1.095555455
1.617483487	0.546123153	9.109544374	5.997386784	6.019659284	5.975114284	1.007455088
1.464833248	0.382304201	7.315663656	5.231180447	5.265423781	5.196937114	1.013178275
1.115395711	0.132308688	2.509858691	5.310699709	5.314044709	5.307354709	1.001260515
1.317615018	0.372223757	6.116790558	6.058674948	6.068354948	6.048994948	1.003200532
1.443544772	0.511060038	7.939196544	6.3386133	6.467064967	6.210161633	1.04136822
1.701552761	0.254105126	7.806609593	3.406408908	3.409513908	3.403303908	1.001824697
1.244721611	0.256288021	4.439739048	5.943602558	6.016145891	5.871059224	1.024712179
1.365676533	0.260849017	6.481727732	4.132444813	4.201784813	4.063104813	1.034131534
1.253242729	0.290307463	4.763544478	6.19120452	6.22440952	6.15799952	1.010784346
1.266709504	0.254094397	5.605429616	4.747557724	4.976877724	4.518237724	1.101508603
1.43836874	0.459869648	7.086846301	6.400500535	6.599870535	6.201130535	1.064301178
1.479739179	0.615998799	9.078380419	6.702185231	6.830340231	6.574030231	1.03898826
1.292089457	0.271103373	4.451008357	6.188044213	6.295009213	6.081079213	1.035179611
1.241402244	0.20762863	4.480602201	5.421708358	5.465978358	5.377438358	1.016465089
1.754415642	0.820566076	11.03411178	7.530554694	7.715149694	7.345959694	1.050257559
1.36087247	0.424128882	6.42322181	6.706688168	6.859508168	6.553868168	1.046635055
1.680764551	0.569230967	10.02071449	6.388303765	6.572125432	6.204482099	1.059254476
1.812855492	0.727232217	11.25031574	6.937919403	7.067354403	6.808484403	1.038021678
1.690380311	0.891208084	12.39872238	7.423906653	7.506811653	7.341001653	1.022586836
1.543346295	0.681796678	13.11986878	5.023953075	5.157258075	4.890648075	1.054514248
1.528854972	0.573922376	8.671087805	6.664099049	6.809831549	6.518366549	1.044714423
1.555136718	0.603793889	8.472494885	7.393074065	7.527909065	7.258239065	1.03715364
1.290085641	0.387740579	5.818018573	6.770974133	6.850301633	6.691646633	1.023709411
1.340520101	0.367986361	6.133002803	6.398328744	7.078623744	5.718033744	1.237947179

1.267269388	0.219448404	4.250280073	5.260897538	5.327010038	5.194785038	1.025453411
1.509515679	0.483278227	8.005084842	6.173937558	6.388010891	5.959864224	1.071838326
3.093576457	1.471673292	22.34330158	7.030210151	7.109021818	6.951398485	1.022675054
1.704651385	0.723028611	12.22941902	6.005764557	6.160612057	5.850917057	1.052931019
1.569163933	0.463134246	9.963379893	4.763616935	4.837286935	4.689946935	1.031416134
1.381668535	0.413187944	6.920789352	5.959278957	6.034948957	5.883608957	1.025722308
1.269050318	0.296603349	5.172044889	5.84581609	5.865174423	5.826457757	1.006644975
1.306019485	0.367873189	5.901017094	6.358540686	6.382502353	6.33457902	1.007565354
1.572798268	0.640130386	9.590639975	6.609116692	6.740320025	6.477913358	1.0405079
1.343817581	0.386932983	7.788682762	4.792561648	4.836651648	4.748471648	1.018570186
1.358741986	0.411468105	7.334747698	5.700781851	5.714401851	5.687161851	1.004789735
1.505492709	0.521886654	7.571108501	6.994031154	7.333376154	6.654686154	1.101986778
1.797690893	0.738771459	11.56350828	6.480797564	6.581425064	6.380170064	1.03154383
1.728772877	0.750921778	13.51691505	6.021383466	6.063097216	5.979669716	1.013951858
1.431000563	0.408370706	6.824433958	6.28122254	6.52062504	6.04182004	1.079248471
1.563323498	0.539646654	8.357803707	6.445446713	6.540751713	6.350141713	1.030016653
1.201634435	0.238351421	4.325196451	5.471451375	5.527566375	5.415336375	1.020724474
1.373544033	0.399220517	6.853244901	5.893644682	5.921904682	5.865384682	1.009636197
1.189256113	0.311327997	4.471543226	6.979867577	7.014187577	6.945547577	1.00988259
1.28071049	0.348569778	5.432129044	6.656115536	6.705913036	6.606318036	1.01507572
1.879004858	1.026508201	11.67911511	8.776875955	9.009983455	8.543768455	1.054567841
1.410534442	0.418842925	6.297584176	6.682050019	6.709960019	6.654140019	1.008388762
1.463905655	0.496910666	8.20246068	5.963348485	5.965311818	5.961385151	1.000658684
1.465797816	0.443473339	6.801434313	6.466697127	6.535827127	6.397567127	1.02161134
1.518123865	0.850251152	10.31615077	8.156212739	8.188432739	8.123992739	1.00793206
1.267923731	0.441955869	6.330890918	7.005492068	7.133707068	6.877277068	1.037286559
1.632041983	0.558080969	7.43975594	7.550052886	7.571627886	7.528477886	1.00573157
1.566492502	0.561393999	8.385072289	6.931845877	7.032747544	6.830944211	1.029542524
1.378927725	0.398983409	6.515779059	6.27145076	6.29159076	6.25131076	1.006443449
2.491336288	1.218654187	21.29255654	5.533094968	5.558218301	5.507971634	1.009122535
1.719037322	0.869388083	11.71174221	7.949667855	8.211952855	7.687382855	1.068237788
1.767178464	0.845543156	12.86570436	6.402607229	6.527292229	6.277922229	1.039721741
1.415006955	0.464085749	7.465151219	6.294911973	6.368134973	6.221688973	1.023537982
1.370976542	0.369955622	6.4279494	5.727117487	5.809427487	5.644807487	1.029163085
1.419946713	0.416043813	6.947573627	5.691155407	6.086990407	5.295320407	1.149503701
1.255449339	0.450127249	5.935520142	7.58688846	7.815200126	7.358576793	1.062053213
1.284864976	0.52119837	6.075163651	8.519141326	8.576221326	8.462061326	1.013490803
1.425498218	0.414504026	6.264652959	6.792954784	6.917526451	6.668383118	1.037361881
1.268879214	0.442345624	5.291576055	8.705692584	8.802767584	8.608617584	1.022552982
1.932339585	0.798710646	12.51746837	6.123393295	6.125553295	6.121233295	1.00070574
1.530816922	0.555436393	10.19185975	5.517701465	5.612331465	5.423071465	1.034899042
1.193516645	0.276796225	4.14925085	6.767268842	6.814678842	6.719858842	1.014110415
1.401765705	0.489026303	6.564140055	7.500292275	7.541867275	7.458717275	1.011148029
1.340760921	0.483288279	6.759717639	7.060157965	7.088489631	7.031826298	1.008058125
1.399288639	0.450329827	6.469404017	7.259224518	7.265322018	7.253127018	1.001681344
1.464622206	0.470180806	7.718124432	5.991220753	6.276915753	5.705525753	1.100146774
1.529526567	0.515456333	8.007192757	6.721185385	6.729020385	6.713350385	1.002334155

1.624586327	0.682457525	9.199373884	7.464858809	7.502553809	7.427163809	1.010150577
1.444279973	0.719326047	7.822431164	9.135681187	9.319551187	8.951811187	1.041079955
1.279094657	0.272523756	4.978529633	6.153266169	6.361703669	5.944828669	1.070123972
1.324342913	0.184835861	4.454287756	4.259776817	4.321991817	4.197561817	1.029643399
1.46220834	0.393806516	7.023684615	5.839327331	5.871143997	5.807510664	1.010957076
1.597206983	0.616740561	8.647667571	7.412476259	7.524416259	7.300536259	1.03066624
2.291210159	1.270285534	17.68691159	8.019300354	8.02063702	8.017963687	1.000333418
1.413450596	0.572492525	7.516942565	7.754345533	7.804153033	7.704538033	1.012929393
1.270063381	0.423500504	5.491547384	7.738294506	7.805763672	7.670825339	1.01759111
1.319248839	0.325465092	5.525872068	5.816749414	5.840019414	5.793479414	1.008033169
1.415629888	0.461655547	7.081615193	6.511817559	6.616600059	6.407035059	1.032708577
1.529820268	0.603053809	9.358143808	6.477228657	6.608668657	6.345788657	1.041425899
1.293223754	0.286676603	5.296987568	5.421248547	5.464546881	5.377950214	1.01610217
1.35572131	0.432832548	7.240650035	5.836107116	6.015167116	5.657047116	1.063305112
1.381999332	0.357263842	6.313914483	5.83710874	5.84062074	5.83359674	1.00120406
1.696950739	0.476440063	9.105821147	5.720190596	5.734398929	5.705982262	1.004980153
1.760853294	0.68576133	11.87032308	6.078652764	6.109695264	6.047610264	1.010266039
1.649053495	0.535046494	9.677357924	5.747629172	5.900254172	5.595004172	1.0545576
1.73366899	0.934657296	15.05616014	6.692685147	6.751970147	6.633400147	1.017874694
1.225995352	0.269760659	4.822787871	5.863195826	5.917198326	5.809193326	1.018592082
2.136287679	0.817800492	16.12801366	5.326199832	5.497528165	5.154871499	1.066472397
1.4814994	0.552944722	10.98344805	5.057764092	5.100004092	5.015524092	1.016843703
1.612768823	0.570190727	10.84997907	5.470588789	5.503098789	5.438078789	1.011956428
2.454788852	0.969453648	14.95942234	6.574805005	6.595935005	6.553675005	1.00644829
1.34580504	0.429427876	6.468648321	6.755323117	6.913498117	6.597148117	1.047952539
2.438515263	1.11550362	22.42876571	6.122746299	6.153426299	6.092066299	1.010072116
1.396618363	0.601140841	8.516491266	7.038757863	7.153576613	6.923939113	1.033165731
1.565296313	0.424259987	9.42330127	4.466914166	4.496931666	4.436896666	1.013530854
1.490700155	0.462790435	6.944362727	6.951944176	6.959299176	6.944589176	1.002118196
1.451354157	0.532272208	7.339391342	7.439309442	7.550349442	7.328269442	1.030304563
1.463765812	0.465599368	8.376784682	5.366165478	5.427427145	5.304903811	1.02309624
1.292565176	0.237387835	5.357156515	4.516457312	4.538522312	4.494392312	1.009818903
2.355359644	1.011336897	14.33977297	6.84451101	7.10234726	6.58667476	1.078290263
1.585239	0.568434153	9.870105253	5.924468163	6.06070483	5.788231497	1.047073676
1.735076352	0.718055817	15.20565744	5.001758614	5.190428614	4.813088614	1.078398723
1.416938295	0.509059761	7.897697443	6.686600456	6.834850456	6.538350456	1.045347829
1.341364229	0.536943189	6.803740839	8.281097393	8.377762393	8.184432393	1.023621675
1.545698663	0.662285247	9.180927535	7.517885673	7.645605673	7.390165673	1.034564854
1.434147068	0.521867429	8.070228453	6.762385909	6.898590909	6.626180909	1.041111162
1.51212093	0.603773449	8.146988832	7.152204128	7.506094128	6.798314128	1.104111106
1.218183579	0.237774305	4.486512151	5.801579546	6.009019546	5.594139546	1.074163327
1.258641611	0.276359205	5.049592983	5.464430756	5.498673756	5.430187756	1.012612087
1.443015504	0.360853696	6.611163513	5.57505747	5.58235747	5.56775747	1.002622241
2.089069317	0.578671685	9.475520299	6.086574727	6.187759727	5.985389727	1.033810664
1.443343231	0.612863643	7.732348614	8.588488154	8.668803154	8.508173154	1.018879494
1.543412927	0.632651169	8.473286086	7.509004607	7.67345294	7.344556274	1.044781013
1.365846831	0.449898239	6.829840829	6.561973762	6.768553762	6.355393762	1.065009347

1.422605911	0.406015292	7.061049198	5.808513328	5.887593328	5.729433328	1.027604824
1.148291712	0.156910748	2.878846708	5.410535996	5.465892663	5.355179329	1.020674066
1.407216004	0.360584998	6.384801317	5.667621562	5.710354062	5.624889062	1.015194077
1.750882293	0.739593821	11.20984639	6.506565532	6.596965532	6.416165532	1.028178824
1.743149485	0.502394694	8.536342037	5.912866762	5.929115095	5.896618429	1.005511068
2.384392137	0.974830451	22.56373569	4.354793329	4.746028329	3.963558329	1.197416043
1.337474329	0.450838898	6.967361178	6.741064866	6.836599866	6.645529866	1.028751658
2.001804116	0.455165877	11.57968252	3.868827289	3.884254789	3.853399789	1.008007215
1.728681951	0.71242023	12.39236784	5.068022879	5.122672879	5.013372879	1.02180169
1.577279943	0.500305671	8.771549563	5.7193034	5.7783059	5.6603009	1.020847832
1.609484868	0.586276169	10.25845325	5.805662568	5.867160068	5.744165068	1.021412163
1.201393128	0.213884737	4.032229461	5.445571976	5.551114476	5.340029476	1.039528808
1.450154565	0.531910636	7.139998572	7.598531237	7.605616237	7.591446237	1.001866575
1.268412235	0.344418562	5.710445889	6.114102312	6.180228979	6.047975646	1.021867372
1.267672721	0.366369598	5.246908075	7.020200332	7.132020332	6.908380332	1.032372277
1.451870413	0.566090318	8.230483456	7.084614311	7.164444311	7.004784311	1.022792993
1.62614452	0.744981725	10.83547555	7.11786108	7.13242608	7.10329608	1.004100913
1.562215449	0.494049374	8.279507398	6.107508771	6.109298771	6.105718771	1.000586336
1.559299453	0.571890031	10.12211875	5.363461675	5.454764175	5.272159175	1.034635715
1.290498988	0.303932675	5.778402994	5.152045376	5.174394126	5.129696626	1.008713478
1.260568208	0.350225753	5.813322549	6.123430876	6.289990876	5.956870876	1.055921978
1.365822423	0.392271447	6.340290516	6.40012647	6.45000147	6.35025147	1.015708039
1.579442675	0.627997001	10.37748798	6.280788814	6.379113814	6.182463814	1.031807707
1.540521223	0.624071165	10.37981484	6.182029979	6.326892479	6.037167479	1.047990221
1.85235837	0.646522535	13.79150217	4.522959022	4.533464022	4.512454022	1.004656003
1.53784636	0.496834103	8.29803028	6.21505002	6.27700502	6.15309502	1.020137833
1.517129462	0.371422696	6.67128195	5.504456731	5.686916731	5.321996731	1.06856825
1.680138644	0.663227279	11.172028	6.015873186	6.050035686	5.981710686	1.011422318
1.52036372	0.62991669	9.41982177	6.778270665	6.855582665	6.700958665	1.023074907
1.571073064	0.352683607	7.815248147	4.44010662	4.45239162	4.42782162	1.005549004
1.700859685	0.791368844	10.43498376	8.047137316	8.171822316	7.922452316	1.031476365
1.528195135	0.595446369	7.907509888	7.256814811	7.585061477	6.928568144	1.09475166
1.625134928	0.569031708	9.530367725	6.523056943	6.570169443	6.475944443	1.014550001
1.40552156	0.702939571	8.410317076	8.355235729	8.583990729	8.126480729	1.056298663
1.553838796	0.610539128	9.642234162	6.860668848	6.987163848	6.734173848	1.037568083
1.265616512	0.279139048	4.76837284	6.198665306	6.210970306	6.186360306	1.003978106
1.270102201	0.384104316	6.206615726	6.324176534	6.445536534	6.202816534	1.039130611
2.042387331	0.837049383	12.1668544	7.105665433	7.112195433	7.099135433	1.001839661
1.605890466	0.79376404	9.361158477	8.675083723	8.764483723	8.585683723	1.020825365
1.909225894	0.779212949	12.63299053	6.239331533	6.270499033	6.208164033	1.010040811
1.242553024	0.192181912	4.39499782	4.504532645	4.585462645	4.423602645	1.036590086
1.449848271	0.589028543	8.619853808	6.78587149	6.93482649	6.63691649	1.044886809
1.248910689	0.232555865	3.861082018	6.10230355	6.16481605	6.03979105	1.020700219
1.609845862	0.45978543	7.384812284	6.256015676	6.297752343	6.214279009	1.013432505
1.360112991	0.41181001	6.811912952	6.000483654	6.007963654	5.993003654	1.002496244
1.473606821	0.44248156	7.82563756	5.782707501	5.816637501	5.748777501	1.011804249
1.294123122	0.305293802	5.251617598	6.021665555	6.097345555	5.945985555	1.02545583

1.991276553	0.834722847	16.88488543	4.947368581	5.157963581	4.736773581	1.088919175
1.765254358	0.672573221	10.85938665	6.087203517	6.179303517	5.995103517	1.030725074
1.736593592	0.751626671	11.14773166	6.850223861	6.933028861	6.767418861	1.024471664
2.656783342	1.415964828	20.39433273	6.838926987	7.053013654	6.624840321	1.064631495
1.169621126	0.135023333	2.629356568	5.138480621	5.248783121	5.028178121	1.043873744
2.481586109	1.045104266	19.87103874	5.392756955	5.515861955	5.269651955	1.046722251
1.668787066	0.814243513	10.5899511	7.485517914	7.511287914	7.459747914	1.006909081
1.281676101	0.388287577	5.105901968	7.522273597	7.669006097	7.375541097	1.039788945
1.800559199	0.755411722	9.545830191	8.107611786	8.225826786	7.989396786	1.029592973
1.610664166	0.60795886	8.769687011	7.185740678	7.305680678	7.065800678	1.033949443
1.276496686	0.285244626	4.806218065	6.239376166	6.364768666	6.113983666	1.041018265
1.505866821	0.554039567	8.163647629	6.794808669	7.073588669	6.516028669	1.085567457
1.31697363	0.267102791	5.153210669	5.15013818	5.20331068	5.09696568	1.020864374
1.387852474	0.42064351	6.223810879	6.7336016	7.0332191	6.4339841	1.093135916
1.600201676	0.759336871	11.83192546	6.645935126	6.699145126	6.592725126	1.016142035
1.207697964	0.260766062	4.331233493	6.060348415	6.117048415	6.003648415	1.018888514
1.290275396	0.392850842	5.88047575	6.973299301	7.030209301	6.916389301	1.016456564
1.278966912	0.308924588	5.065499238	6.128108954	6.224153954	6.032063954	1.031844822
1.378251401	0.441551687	6.91261089	6.517148087	6.578291837	6.456004337	1.018941669
1.336343946	0.470014466	7.078995132	6.782699668	6.788637168	6.776762168	1.001752312
1.452169978	0.482315521	8.323759468	5.805284889	5.892511556	5.718058222	1.030509192
1.285940652	0.514979175	6.330888401	8.158969364	8.269744364	8.048194364	1.027527914
1.736850143	0.667883917	10.68855499	6.275299409	6.339929409	6.210669409	1.020812571
2.780066052	1.002600462	14.14784447	7.302432645	7.499672645	7.105192645	1.055519958
1.845123856	0.725681778	16.62428581	4.002619411	4.002619411	4.002619411	1
1.389736413	0.42508019	5.984164727	7.065992968	7.116962968	7.015022968	1.01453167
1.387771264	0.419153938	6.539856185	6.569195046	6.660632546	6.477757546	1.02823122
2.164032191	1.047586838	14.0367105	7.302753392	7.376738392	7.228768392	1.0204696
1.213958424	0.274575373	4.229385423	6.647720357	6.757835357	6.537605357	1.033686646
2.117616273	0.850177508	12.5943557	7.058655333	7.202185333	6.915125333	1.041511901
2.00732181	0.673886585	13.88186954	4.922403105	4.963353105	4.881453105	1.016777791
1.874429864	0.921627763	14.8026901	6.703624761	6.854795761	6.552453761	1.046141798
1.287431815	0.25942403	4.80008167	5.225607655	5.243754322	5.207460988	1.006969487
1.411961625	0.510182716	6.590961394	7.267146762	7.283380762	7.250912762	1.004477781
1.314877798	0.47033633	6.67463979	7.243943885	7.284251385	7.203636385	1.011190876
1.366922615	0.467593599	6.543896115	7.057004038	7.075899038	7.038109038	1.00536934
1.738583199	0.809103621	11.20752025	6.998839593	7.018364593	6.979314593	1.005595105
1.768595305	0.709992898	10.33948516	7.163618427	7.252228427	7.075008427	1.025048733
1.579991283	0.586711762	9.022659389	6.544252193	6.73060386	6.357900527	1.058620504
1.194986194	0.220614255	4.464577676	5.157139049	5.276604049	5.037674049	1.047428634
1.948737617	0.699076327	15.01805254	4.52287345	4.60111845	4.44462845	1.035208792
1.898637673	0.791638516	14.52574268	5.529353899	5.643103899	5.415603899	1.042008242
1.831700484	0.84639882	12.6560965	6.654268263	7.064343263	6.244193263	1.131346031
1.35304433	0.529776385	6.582797858	8.376449559	8.683562059	8.069337059	1.076118397
1.260928129	0.352743237	5.323378629	6.823156047	6.901121047	6.745191047	1.02311721
1.579019479	0.697514401	10.19713466	6.915135448	7.050744448	6.779526448	1.040005449
1.886937745	0.908442811	10.71055309	8.495261777	8.779943444	8.21058011	1.06934508

2.200037108	0.874777233	12.23502046	7.27123548	7.54963298	6.99283798	1.079623609
2.445113108	1.612232619	24.71897671	5.802878863	5.847968863	5.757788863	1.015662262
1.39965289	0.477137008	7.290222099	6.58103818	6.77271568	6.38936068	1.059998961
1.257283207	0.435603331	4.522329022	9.562611882	9.621281882	9.503941882	1.012346456
1.173773269	0.344551662	3.476042498	9.917470367	9.933840367	9.901100367	1.003306703
1.56692619	0.879879565	9.490974428	9.421910676	9.451220676	9.392600676	1.006241083
1.233715415	0.244900679	4.208871689	5.75060666	6.08948166	5.41173166	1.125237178
1.56423043	0.55127809	9.612358054	5.504137031	5.652357031	5.355917031	1.055348131
1.936525295	0.738828322	9.636935667	7.925683454	7.974038454	7.877328454	1.012277005
1.64694284	0.858939255	11.80625581	8.018894389	8.133784389	7.904004389	1.02907134
1.327963137	0.330019565	6.100605463	5.437539835	5.442909835	5.432169835	1.00197711
2.373501682	1.187326983	20.04992739	6.058391233	6.062601233	6.054181233	1.001390774
1.538647769	0.564746025	8.464946607	6.595738653	6.597731153	6.593746153	1.000604361
1.354171658	0.233566092	5.825689554	4.878115647	4.992780647	4.763450647	1.048143671
1.627003802	0.473032396	9.093655736	5.085642248	5.158539748	5.012744748	1.029084864
2.019347045	0.888815013	16.13823034	6.572816396	6.634046396	6.511586396	1.018806477
1.306962434	0.309374241	5.797064048	5.240353426	5.317550926	5.163155926	1.029903222
1.838735725	0.70850894	10.86503619	7.016758424	7.065155924	6.968360924	1.013890641
1.5183833	0.798122659	10.58970523	7.42181876	7.62016376	7.22347376	1.054916791
1.522112868	0.617652199	9.172816085	6.50684365	6.50896365	6.50472365	1.000651834
1.388656551	0.406540994	6.069695887	6.711452264	6.877092264	6.545812264	1.050609456
1.33538873	0.320813159	5.21081286	6.368202307	6.380007307	6.356397307	1.003714368
1.515787729	0.591245245	8.342300841	7.138314851	7.458239851	6.818389851	1.093841803
1.409074202	0.532893111	7.343853516	7.318432532	7.411220865	7.225644199	1.025683062
1.671241352	0.608335564	11.0387212	5.262725423	5.275595423	5.249855423	1.004902992
1.506932243	0.501900668	8.296267939	6.045607245	6.154224745	5.936989745	1.036590092
1.591403848	0.767625917	11.8824117	6.176794255	6.422414255	5.931174255	1.082823397
1.813460466	0.845147816	13.24295188	6.021811569	6.045581569	5.998041569	1.00792592
1.653472628	0.531198467	12.50209108	4.117025536	4.140420536	4.093630536	1.011429952
1.212645672	0.248216727	5.125843397	4.873284608	4.894789608	4.851779608	1.008864788
1.520425211	0.597051189	8.754472434	7.081278058	7.197168058	6.965388058	1.033275964
1.381708601	0.3683328	8.250756687	4.847740423	4.903182923	4.792297923	1.023138169
1.277196501	0.279843686	5.18121881	5.370357393	5.37532906	5.365385727	1.001853237
2.093735986	0.968722768	18.46101563	5.217922182	5.225177182	5.210667182	1.002784672
1.277036898	0.308826761	5.116475302	5.864264529	6.096419529	5.632109529	1.082439803
1.596896671	0.789274851	10.2485867	7.950905096	8.167810096	7.734000096	1.056091285
1.360722989	0.386808348	8.396947875	4.529014706	4.540754706	4.517274706	1.005197824
1.815592723	1.008578894	13.43418524	7.643615534	7.731835534	7.555395534	1.023352848
1.254627471	0.327710758	5.176314443	6.440867671	6.471212671	6.410522671	1.009467247
1.389863703	0.413976163	6.846517701	5.741437088	5.795377088	5.687497088	1.018967922
1.379022526	0.481073023	7.122148676	6.681899762	6.750128096	6.613671429	1.020632514
1.502212058	0.670679533	9.137453151	7.297425616	7.464505616	7.130345616	1.046864488
1.43360747	0.44534864	7.601219732	5.995899265	6.071107599	5.920690932	1.025405256
2.189505077	1.278581469	17.37820441	7.070322549	7.132622549	7.008022549	1.017779623
1.234460726	0.360005967	4.437486621	8.198198857	8.247903857	8.148493857	1.012199801
1.387846664	0.390202665	6.449831512	6.330608382	6.425724632	6.235492132	1.030508017
1.200933796	0.193375512	3.960884548	4.806812758	4.922815258	4.690810258	1.049459472

1.251105642	0.181791	4.728523404	3.68115122	3.78321122	3.57909122	1.057031237
2.19775657	0.964419521	13.50726264	7.277719298	7.336924298	7.218514298	1.016403652
1.248511646	0.370836865	4.867259	7.500613459	7.789555959	7.211670959	1.080131914
1.731879813	0.655068306	9.161231247	7.419179586	7.553667919	7.284691253	1.036923551
2.40783247	1.059283607	16.71854282	6.918548585	6.976168585	6.860928585	1.01679656
1.568284582	0.77640503	10.49157595	7.724696557	7.816524891	7.632868224	1.024061291
1.560707071	0.548789523	9.871452021	5.594068744	5.636228744	5.551908744	1.01518757
1.511589624	0.70326553	10.35359226	6.874027247	7.030712247	6.717342247	1.046650891
2.268719415	1.466362666	20.9788562	6.702810743	6.946525743	6.459095743	1.075464124
1.389267271	0.400141143	6.30588395	6.622661275	6.741281275	6.504041275	1.036475783
2.16170362	0.856560882	12.86904539	6.770624745	7.012377245	6.528872245	1.074056435
1.737689612	0.861137009	11.14685619	8.4287425	8.5817075	8.2757775	1.036966919
1.362980998	0.402200952	5.623267041	7.395401312	7.517356312	7.273446312	1.03353431
1.227548388	0.294054217	5.296377223	5.675870449	5.698540449	5.653200449	1.008020236
1.72205968	0.540672899	11.51690506	4.442584428	4.506072761	4.379096095	1.02899609
1.511035266	0.773343702	11.13234243	6.959614486	7.052779486	6.866449486	1.027136295
1.36437014	0.427337211	7.714450167	5.614733246	5.623738246	5.605728246	1.003212785
1.456324882	0.713620084	8.139754861	8.897726445	9.043108945	8.752343945	1.033221386
1.54321051	0.518425212	9.563412234	5.152685847	5.344583347	4.960788347	1.077365728
1.576854692	0.606573189	8.106713657	7.988867966	7.989199633	7.988536299	1.000083036
1.438853588	0.577241864	7.968609444	7.632723677	7.692078677	7.573368677	1.015674663
1.231753309	0.306719564	5.100061855	5.965101793	6.055473793	5.874729793	1.030766351
1.318789139	0.559941142	6.906613186	8.130873469	8.241978469	8.019768469	1.027707782
2.371884735	1.286192728	19.19327846	6.881522049	6.984342049	6.778702049	1.030336191
3.672129254	1.526098308	29.06877431	5.291862289	5.319832289	5.263892289	1.010627117
1.371401721	0.363335243	6.103398286	6.098267943	6.31560461	5.880931276	1.07391233
2.102556578	0.932117359	14.01307305	6.897057026	6.935384526	6.858729526	1.011176268
2.337961456	0.960758683	13.14361443	7.220706942	7.512824442	6.928589442	1.084322358
1.314332559	0.304795425	5.295375673	5.855288407	5.948510074	5.762066741	1.032357024
1.481811854	0.540696906	7.61553415	7.060719009	7.093531509	7.027906509	1.009337774
1.310924242	0.241084637	4.294522246	5.803341358	5.965221358	5.641461358	1.057389385
1.292426621	0.359974223	5.721599936	6.361924613	6.565779613	6.158069613	1.066207436
1.593681515	0.606070372	10.37045888	5.739840977	5.846815977	5.632865977	1.037982441
1.383735644	0.48086037	6.753496055	7.268989605	7.309472105	7.228507105	1.011200791
1.332856976	0.416227726	6.745911689	6.401310202	6.501625202	6.300995202	1.031841002
1.318992435	0.265586991	6.038994629	4.281127194	4.297462194	4.264792194	1.007660397
1.430300653	0.325552903	7.36373695	4.405373782	4.552108782	4.258638782	1.068911691
1.402341576	0.435674836	6.711200124	6.615831308	6.795776308	6.435886308	1.05591926
1.288790707	0.34407748	5.559680963	6.115710865	6.360925865	5.870495865	1.083541495
1.596401688	0.51327654	6.917689225	7.45546506	7.56011506	7.35081506	1.028473033
1.33781696	0.321364218	5.579938705	5.951119159	6.012720826	5.889517493	1.020919088
1.452779726	0.530541987	9.421492161	5.280451327	5.284291327	5.276611327	1.00145548
1.289265992	0.358700182	5.442590078	6.519958959	6.611298959	6.428618959	1.028416679
1.607804917	0.615407622	9.585716649	6.540887704	6.698976454	6.382798954	1.04953587
1.469786741	0.25674351	5.852533561	4.053633835	4.075368835	4.031898835	1.010781521
5.165368822	2.12658583	32.08881749	7.353355344	8.217145344	6.489565344	1.266208892
1.639159641	0.65196917	10.93258624	6.28344618	6.57217118	5.99472118	1.096326415

1.5125202	0.625839614	8.273455975	7.722408754	8.030631254	7.414186254	1.083143986
2.28135549	1.023930407	14.4719284	6.952752348	7.243697348	6.661807348	1.087347167
1.617765706	0.638670313	11.68459056	5.544103562	5.654418562	5.433788562	1.040603347
3.3796404	1.965448992	33.40057807	6.336938933	6.338863933	6.335013933	1.000607733
1.233122081	0.306196323	4.994225594	6.046264038	6.208859038	5.883669038	1.055269934
1.268351827	0.417357743	6.094941365	6.835263756	7.038408756	6.632118756	1.061260966
1.318384408	0.526346198	6.518509279	8.187143632	8.276648632	8.097638632	1.022106445
2.136728083	1.016042595	14.83202956	6.567454184	6.916191684	6.218716684	1.112157385
1.386544427	0.402192133	6.230723684	6.463562772	6.536924022	6.390201522	1.022960543
1.265775769	0.297166644	5.586764985	5.961005975	6.151985975	5.770025975	1.066197276
1.718447658	0.644804199	9.26756875	7.198708681	7.327058681	7.070358681	1.036306503
1.58283748	0.67988369	8.646870373	8.049287327	8.248197327	7.850377327	1.050675271
1.891956302	0.471379212	10.73825636	4.325667966	4.344642966	4.306692966	1.008811866
1.544660298	0.627679677	8.881323845	6.941915362	7.114322862	6.769507862	1.050936495
1.316342482	0.513128822	6.414827388	7.831567415	8.002942415	7.660192415	1.044744307
1.502645076	0.663269718	9.100573267	7.214243995	7.498186495	6.930301495	1.081942322
1.865270908	0.863460653	11.42185708	7.99032198	8.11315698	7.86748698	1.031225981
1.466908566	0.482341607	6.988198505	7.173104382	7.241831882	7.104376882	1.019347932
1.425180666	0.624361986	7.576079756	8.779644445	9.047129445	8.512159445	1.062847742
1.310169332	0.263975638	5.463149957	4.773415609	4.936780609	4.610050609	1.070873408
1.825725368	0.612470795	10.21073259	5.986430064	6.092585064	5.880275064	1.036105454
1.880323043	0.685998131	14.85722773	4.474266047	4.599476047	4.349056047	1.057580311
1.386641198	0.368918329	5.142024955	7.248981744	7.402291744	7.095671744	1.043212258
1.411216702	0.507478002	7.144303595	7.300948078	7.432108078	7.169788078	1.036586855
1.391642994	0.537067077	6.924334477	7.954499843	8.134964843	7.774034843	1.046427628
1.384715564	0.589554318	7.534817979	7.952284245	8.067669245	7.836899245	1.029446595
1.817471436	1.120451306	11.97787109	8.867844527	9.358839527	8.376849527	1.117226649
1.424992815	0.540240021	8.495082366	6.503766382	6.511221382	6.496311382	1.002295149
1.696201698	0.564419619	10.12962317	5.670598079	5.713675579	5.627520579	1.015309584
1.427028632	0.362654982	6.403103342	5.762550905	5.816545905	5.708555905	1.018917219
1.922738274	0.733528947	11.99602138	6.210235604	6.249020604	6.171450604	1.012569168
1.586583906	0.608534036	8.994118288	6.855008583	6.94666525	6.763351917	1.027103918
1.477720747	0.742866262	8.941070207	8.539975869	8.576550869	8.503400869	1.00860244
1.632053921	0.65814695	9.271116112	7.372243595	7.376058595	7.368428595	1.001035499
1.136017466	0.180697833	3.247761573	6.722349857	6.815694857	6.629004857	1.028162598
1.871588721	0.854007957	12.99085684	6.587753178	6.766823178	6.408683178	1.055883555
1.453312201	0.573016345	6.969186189	8.518299282	8.577204282	8.459394282	1.013926529
1.292274969	0.437765713	5.994100535	7.500667956	7.602822956	7.398512956	1.027615009
1.781147602	0.666982949	14.52591576	5.620976289	5.711886289	5.530066289	1.032878449
3.31735152	1.530190652	38.80142237	4.391738411	4.494338411	4.289138411	1.047841776
1.291266398	0.342781421	5.671351268	6.126940384	6.254685384	5.999195384	1.042587378
1.682204045	0.891757433	13.22894489	6.434830497	6.513705497	6.355955497	1.024819242
1.482701224	0.652470797	9.596540078	6.871655994	6.928315994	6.814995994	1.016628036
3.089033158	1.261622005	18.34771611	7.588123807	7.818858807	7.357388807	1.062721981
1.556803412	0.520986405	7.668602553	6.727803082	6.763548082	6.692058082	1.010682812
1.281192606	0.391680633	5.844321339	6.581994783	6.632484783	6.531504783	1.01546045
1.316771959	0.320985232	6.168734635	5.197548577	5.208978577	5.186118577	1.004407921

1.671825924	0.958862316	12.69146241	7.626286717	7.818250051	7.434323384	1.051642449
1.385404889	0.268147057	6.130271606	4.348341035	4.369958535	4.326723535	1.00999255
1.488845548	0.624631973	8.988236104	6.7281124	6.7508699	6.7053549	1.006787858
1.920138396	0.776469591	11.4656207	6.818020604	6.833210604	6.802830604	1.004465788
1.284391815	0.326882455	5.074534294	6.508541588	6.606869088	6.410214088	1.030678383
1.482647289	0.586032067	6.820881177	8.77015234	8.94435234	8.59595234	1.040530704
1.557889524	0.62094114	11.13382929	5.333875532	5.466855532	5.200895532	1.051137347
1.682866448	1.021135258	12.60710851	7.766979879	7.922874879	7.611084879	1.040965251
1.378384709	0.405635517	5.546893534	7.835004848	7.900589848	7.769419848	1.016882856
1.584710543	0.7230111	9.052982145	7.850938023	8.168323023	7.533553023	1.084259047
1.360585208	0.354256278	5.947183681	6.073196022	6.093146022	6.053246022	1.006591505
1.193423954	0.235350213	3.806026412	6.12627977	6.15154977	6.10100977	1.008283875
1.495612752	0.521811195	8.260603165	6.353366568	6.518246568	6.188486568	1.053286049
1.380423089	0.513417121	8.91265647	6.213663294	6.407048294	6.020278294	1.064244538
1.427060636	0.589324003	7.502806979	7.883841779	7.993601779	7.774081779	1.028237418
1.432714767	0.374857374	7.471332116	4.778107136	4.786407136	4.769807136	1.003480225
1.58730207	0.581504746	6.93261898	8.735072575	8.753872575	8.716272575	1.004313771
1.554673204	0.417579856	7.390291691	5.858485741	5.897425741	5.819545741	1.013382488
1.854458536	0.898591868	12.51334044	7.04862134	7.08832634	7.00891634	1.011329854
2.103988713	0.901634767	14.5165725	6.960310085	7.018985085	6.901635085	1.017003217
1.290690547	0.40648244	5.03826964	8.032684817	8.067079817	7.998289817	1.008600589
1.199294959	0.258765648	4.85493737	5.518184353	5.710149353	5.326219353	1.072083024
2.190800554	1.045130076	14.72274293	7.133544908	7.204724908	7.062364908	1.020157554
1.585406211	0.589960638	10.84794847	5.38282864	5.53248614	5.23317114	1.057195722
1.22297123	0.253377776	4.411598282	5.812387766	5.825287766	5.799487766	1.004448669
1.662853469	0.787604567	11.27478192	6.24521073	6.28654323	6.20387823	1.01332473
2.047078748	0.647292407	15.48109127	4.486111704	4.757261704	4.214961704	1.128660718
4.399238747	1.916365748	29.41242379	7.124245322	7.144570322	7.103920322	1.005722193
1.709534035	0.652225894	11.55768853	5.56068102	5.63216602	5.48919602	1.026045709
1.404275136	0.522234869	8.469769343	6.305214422	6.322016922	6.288411922	1.005343957
1.359287183	0.313948117	7.497423785	4.371095199	4.403207699	4.338982699	1.014801857
1.624621098	0.690927027	10.26794729	6.663351922	6.714576922	6.612126922	1.015494258
1.225806454	0.216713707	5.19066262	4.319233847	4.348793847	4.289673847	1.013781934
1.533280916	0.512147191	8.308999045	6.07599159	6.35412659	5.79785659	1.095944077
4.019524358	1.978780136	41.93953065	4.965100398	5.225092898	4.705107898	1.110515
1.288915432	0.32179442	5.890375631	5.487375192	5.635251859	5.339498526	1.055389721
2.087746332	0.847759242	18.54422502	4.550735859	4.602353359	4.499118359	1.022945607
1.802110694	0.655754592	12.44342744	5.214826841	5.339846841	5.089806841	1.049125636
1.346047644	0.428624229	7.426346236	5.510366078	5.621221078	5.399511078	1.041061125
1.621385439	0.743645637	10.97545353	6.773485126	6.998993459	6.547976792	1.068878782
1.391504852	0.486450102	6.966895929	6.941020476	7.027425476	6.854615476	1.02521075
1.343923181	0.451363439	5.932023596	7.848931995	7.878071995	7.819791995	1.007452884
1.896029017	0.598496142	13.7519471	4.245876188	4.324511188	4.167241188	1.037739596
2.035910837	0.869758355	11.98856729	7.308429613	7.374069613	7.242789613	1.018125613
1.227570524	0.294783805	6.148963068	4.661652922	4.680927922	4.642377922	1.008303934
1.262374619	0.289507925	5.154161146	5.632248201	5.718713201	5.545783201	1.03118225
1.356213414	0.431036677	6.304344586	7.055236254	7.293096254	6.817376254	1.069780511

1.308250364	0.451493483	5.986726598	7.764958592	7.811488592	7.718428592	1.012056858
1.505564846	0.495279441	6.835157823	7.206792379	7.231217379	7.182367379	1.006801379
1.459372609	0.450381893	6.774676853	6.775169156	6.823905823	6.726432489	1.014491089
1.468863517	0.38503853	8.327183556	4.547529252	4.554549252	4.540509252	1.003092164
2.308265686	1.195830244	21.43116096	5.667745362	5.710700362	5.624790362	1.015273458
1.385765127	0.382299003	7.33973024	5.373248373	5.528128373	5.218368373	1.05935955
1.512551882	0.714547846	9.984431349	7.125322649	7.260881649	6.989763649	1.038787864
1.458857381	0.51577289	7.768284113	6.737751729	6.770411729	6.705091729	1.00974185
1.687937072	0.804328527	9.966985387	8.120115374	8.203175374	8.037055374	1.020669262
1.33944255	0.477064099	6.12445199	8.077170181	8.191685181	7.962655181	1.028763019
1.392521563	0.400955735	5.610490899	7.194044381	7.240969381	7.147119381	1.013131164
1.293877544	0.473167475	5.950129552	7.799714341	7.850420341	7.749008341	1.013087094
1.441249573	0.459090789	6.376301091	6.721447523	6.740670023	6.702225023	1.005736155
1.355622766	0.340341347	5.79572348	5.992912715	6.057427715	5.928397715	1.021764734
1.37588521	0.444644473	6.619064339	6.855250944	6.866400944	6.844100944	1.00325828
1.813176235	0.453901597	12.50435659	3.524119675	3.566584675	3.481654675	1.024393574
1.206990502	0.196157806	3.472762074	5.726040149	5.848345149	5.603735149	1.043651242
1.244430024	0.244238704	4.082082244	6.006656769	6.125476769	5.887836769	1.040361173
1.408407808	0.568210797	7.345141737	7.839174795	7.959644795	7.718704795	1.031215082
1.742828647	0.571479789	13.28157854	4.116806486	4.156296486	4.077316486	1.019370584
1.250125367	0.356382924	5.785468822	6.565154864	6.761802364	6.368507364	1.061756229
1.417462998	0.568595757	6.755879379	8.700572443	8.758209943	8.642934943	1.013337483
1.616652936	0.544078989	9.013465267	5.845763988	5.866778988	5.824748988	1.007215762
1.99285669	0.89507688	13.228198	7.057741389	7.125456389	6.990026389	1.019374748
1.310788376	0.225365773	4.777066084	4.843618264	4.913673264	4.773563264	1.02935124
1.734536289	0.761016265	10.19450497	7.363628897	7.546723897	7.180533897	1.050997601
2.296831265	1.109247593	18.28062787	6.025228778	6.118248778	5.932208778	1.031361
1.780225209	0.74551156	10.23263387	7.3279282	7.4124932	7.2433632	1.023349651
1.916050974	0.79613137	10.36100441	7.840248222	7.856578222	7.823918222	1.004174379
1.6534654	0.511038362	8.609935448	5.997469807	6.021892307	5.973047307	1.008177568
3.099327754	2.027831619	21.82175724	8.269669066	8.436649066	8.102689066	1.041215947
1.461603844	0.621336621	7.787287369	7.367174433	7.387549433	7.346799433	1.005546633
1.655146837	0.744848291	9.722600289	7.672929458	7.788889458	7.556969458	1.030689551
1.354580552	0.412947251	8.125526339	4.935819476	4.945894476	4.925744476	1.004090752
1.504797228	0.618287229	8.731822793	7.197780773	7.418565773	6.976995773	1.063289418
2.407652999	1.482731046	27.65508752	5.066964605	5.074294605	5.059634605	1.002897442
2.110894931	0.910755703	16.83377621	5.303686519	5.357329019	5.250044019	1.020435067
1.230932808	0.285040656	4.586356255	6.341028037	6.392675537	6.289380537	1.016423716
1.19267102	0.112433466	2.888026108	4.008044444	4.051139444	3.964949444	1.021737982
1.674802265	0.495255927	8.78713416	5.676390862	5.778977529	5.573804195	1.036810287
1.110531765	0.087058818	2.325392215	3.740059726	3.814304726	3.665814726	1.040506684
2.613067001	1.084574805	20.6617229	5.110427704	5.162117704	5.058737704	1.020435928
2.518670646	0.80027628	19.31265013	4.406472835	4.529167835	4.283777835	1.05728355
1.674932542	0.706705348	9.172877797	7.885028855	8.097978855	7.672078855	1.055512985
1.434566718	0.521052054	8.353462634	6.222112623	6.306825123	6.137400123	1.027605337
1.189302686	0.336687937	4.012006605	8.3639992	8.4254492	8.3025492	1.014802683
1.202129729	0.26502659	4.36290562	5.929471266	5.964176266	5.894766266	1.011774852

1.171167625	0.109076138	2.756712565	3.908681487	3.915378153	3.90198482	1.003432441
2.948587051	1.428765033	20.17598078	7.383397301	7.572717301	7.194077301	1.052632184
1.371543122	0.21369427	5.336592519	3.963160397	4.013942897	3.912377897	1.025959916
1.382486154	0.50816001	6.783599005	7.404520522	7.615358022	7.193683022	1.058617401
1.351971514	0.668955082	7.032780356	10.00183672	10.16059172	9.843081715	1.032257174
1.632358738	0.615304806	9.899691727	6.264214978	6.267418312	6.261011645	1.001023264
1.834895811	0.721802332	10.30444275	7.156389048	7.256306548	7.056471548	1.028319394
1.354613769	0.385752669	7.581427776	4.894491165	4.949441165	4.839541165	1.022708764
1.601657915	0.517802672	8.956723715	5.654539107	5.719479107	5.589599107	1.023236013
1.496900139	0.531964848	8.827869831	6.029932632	6.066067632	5.993797632	1.012057464
1.655073745	0.651616498	9.460101016	6.826994942	6.992219942	6.661769942	1.049603935
1.321579003	0.552118987	6.498485901	8.634265758	8.871140758	8.397390758	1.056416334
1.148054779	0.132733434	3.344631858	3.66437383	3.81918883	3.50955883	1.088224764
1.698483386	0.575696358	11.89262437	4.962730195	4.990430195	4.935030195	1.011225868
1.280027716	0.332217137	5.796268612	5.942461505	6.149181505	5.735741505	1.072081352
1.602319491	0.588371356	9.193937323	6.481081108	6.531938608	6.430223608	1.015818268
1.104036687	0.114287308	2.225074382	5.45671282	5.56609782	5.34732782	1.040912023
1.314621016	0.518809208	8.022619911	6.741826005	6.789749339	6.693902672	1.014318503
1.467685068	0.505941654	8.460199423	6.057432044	6.072342044	6.042522044	1.004935025
1.362778111	0.593481058	6.014823665	9.75085693	9.76718693	9.73452693	1.003355068
1.270530035	0.357799291	4.2101244	8.466827582	8.494607582	8.439047582	1.006583681
1.823014803	0.850801032	17.51704401	4.772462243	4.956192243	4.588732243	1.080078763
1.773029074	0.613886116	11.48804968	5.272275511	5.533915511	5.010635511	1.104433859
1.226021038	0.345271725	4.761712515	7.196737727	7.280115227	7.113360227	1.023442507
1.58871001	0.653460674	9.061023292	7.407858605	7.449186105	7.366531105	1.011220342
1.441369634	0.441604242	7.437695824	5.848079916	6.055944916	5.640214916	1.073708184
1.354543282	0.401566022	6.493292436	6.230058569	6.285238569	6.174878569	1.017872416
3.505479866	1.845466038	27.92570618	6.70391434	6.82482434	6.58300434	1.036733988
1.259263101	0.191445061	4.460187788	4.433404224	4.516514224	4.350294224	1.03820891
1.274346393	0.311260973	5.622902129	5.837761364	5.911645364	5.763877364	1.025636909
1.365239514	0.273678197	5.965155102	4.681803124	4.70456979	4.659036457	1.009773122
1.977170961	0.886263815	15.21632696	5.748310364	5.836040364	5.660580364	1.030996822
1.565192194	0.585595641	9.839079084	7.078511464	7.079871464	7.077151464	1.000384335
1.356478187	0.313875122	7.038004376	5.048645275	5.055220275	5.042070275	1.002608056
1.464078543	0.575812961	6.976186957	8.406076011	8.491017678	8.321134344	1.020415886
1.34226008	0.336910891	5.597972875	5.629886924	5.785261924	5.474511924	1.056763051
1.937841814	0.570577082	8.712721639	6.673881513	6.915314013	6.432449013	1.075067054
1.408173025	0.390919062	6.299118558	6.180317994	6.203467994	6.157167994	1.007519691
1.324147567	0.414666001	5.969071992	7.120611704	7.218586704	7.022636704	1.027902625
1.816602715	0.786436572	15.92710441	4.840967711	4.943592711	4.738342711	1.043316833
1.963699955	1.076668071	16.01306377	7.045256645	7.229021645	6.861491645	1.053564155
1.410774205	0.631811736	6.992690103	9.121548643	9.158608643	9.084488643	1.008158962
1.329890507	0.389399497	5.435949033	7.313399852	7.344844852	7.281954852	1.008636417
1.478926771	0.470189501	8.116521286	5.793633642	5.886536142	5.700731142	1.032593188
1.800030467	0.776565539	11.58719184	6.640869005	6.720414005	6.561324005	1.024246631
1.346964873	0.385039586	7.753969632	4.799735126	4.907155126	4.692315126	1.045785501
2.875037129	1.393419243	25.65811321	4.935937503	4.987752503	4.884122503	1.021217732

1.3188254	0.54680343	6.670261813	8.165228839	8.215318839	8.115138839	1.012344829
1.648201463	0.698999865	9.617799194	7.405199728	7.560624728	7.249774728	1.042877194
1.378077432	0.31505067	6.373471676	4.971543288	5.019998288	4.923088288	1.019684798
1.445914661	0.275736162	5.783747934	4.678110564	4.682103064	4.674118064	1.001708344
1.159938558	0.16216927	3.34790631	4.866493387	4.885908387	4.847078387	1.008011011
1.145178797	0.112975456	2.751730068	4.101658762	4.146731262	4.056586262	1.022221887
1.529517783	0.586262149	10.84981946	5.464869679	5.647974679	5.281764679	1.069334782
1.54493408	0.523051325	12.01745539	4.273535915	4.336005915	4.211065915	1.029669448
1.90637688	0.859385621	14.63663489	6.001533094	6.088070594	5.914995594	1.029260377
1.16629514	0.180091777	4.114648475	4.225861008	4.247961008	4.203761008	1.010514394
1.264656759	0.351429366	5.384943518	6.576088695	6.662578695	6.489598695	1.026654961
3.196868756	1.674143023	32.96098865	4.989386097	5.124881097	4.853891097	1.055829436
1.722223764	0.55387674	9.180085459	5.991389456	6.075244456	5.907534456	1.02838917
1.695750933	0.57417155	11.34509612	5.106056417	5.128936417	5.083176417	1.009002245
1.941471935	0.963704365	18.23438292	4.910698767	5.005003767	4.816393767	1.039160004
1.303859852	0.43735414	6.435945013	6.681904305	6.817544305	6.546264305	1.041440429
1.598184865	0.551218373	8.037499998	7.182748326	7.229835826	7.135660826	1.013197797
1.240269634	0.139454627	4.128685091	4.268907894	4.674266227	3.86354956	1.209837263
1.364327084	0.343463532	5.570529938	6.191585365	6.257027865	6.126142865	1.021364993
2.239892796	1.011117333	21.37188028	4.443039686	4.529224686	4.356854686	1.039562944
1.459392569	0.588526975	8.4917171	7.111383631	7.250738631	6.972028631	1.039975453
2.662517492	1.237787693	17.9527654	7.28720348	7.35749848	7.21690848	1.019480641
1.479988498	0.598642229	7.82365798	7.877495504	8.097460504	7.657530504	1.057450636
1.534576457	0.536482005	8.709424594	6.192210443	6.203500443	6.180920443	1.003653178
1.968740107	0.850114308	12.66310663	6.920403375	7.161123375	6.679683375	1.072075273
1.637461648	0.591444673	8.466249852	7.243147385	7.335547385	7.150747385	1.025843452
1.549007882	0.632720666	9.838937617	6.495799745	6.705879745	6.285719745	1.066843578
1.590577336	0.589730183	8.440814043	7.094239202	7.270669202	6.917809202	1.051007478
1.355308843	0.477369475	7.285580245	6.361871859	6.482146859	6.241596859	1.038539817
1.310454305	0.404835414	6.591440305	6.451736244	6.522037911	6.381434577	1.022033186
2.084212191	0.84857245	14.69338362	6.176629288	6.251412621	6.101845954	1.024511708
2.123145871	0.75818362	19.56063058	3.801775957	3.813060957	3.790490957	1.005954374
1.780837763	0.803968647	11.62870332	7.821253255	7.838643255	7.803863255	1.004456767
1.571156004	0.542850104	8.353177256	6.393676787	6.445934287	6.341419287	1.016481326
1.439079696	0.429744057	7.777772564	5.573785973	5.616500973	5.531070973	1.015445472
1.564531944	0.656709308	8.847351795	7.862185836	7.935295836	7.789075836	1.018772445
1.540784867	0.564874532	7.074750847	8.00183462	8.12592462	7.87774462	1.031503941
1.373569551	0.457414973	7.18871477	6.878847485	6.988477485	6.769217485	1.032390745
1.297905393	0.393863038	5.551727712	7.160404886	7.205874886	7.114934886	1.012781565
1.340898579	0.455174274	5.678355309	8.1839431	8.1936331	8.1742531	1.002370859
1.49965968	0.333084133	6.810461155	6.098455992	6.218970992	5.977940992	1.040319903
1.69205246	0.923137244	12.47594421	6.604944801	6.630179801	6.579709801	1.007670551
1.464104901	0.421544411	8.188641601	5.404344668	5.698656668	5.110032668	1.11518987
1.166296551	0.205036145	3.747858164	5.441854773	5.560704773	5.323004773	1.04465523
1.264496374	0.291828577	5.333882258	5.338064661	5.376149661	5.299979661	1.014371753
2.365409666	0.705779094	15.94165304	4.337034303	4.410099303	4.263969303	1.034270885
1.575192198	0.482952227	7.262995916	6.662586443	6.710103943	6.615068943	1.014366441

1.794474626	0.73956427	9.905098099	7.520032679	7.594092679	7.445972679	1.019892633
1.392769846	0.491118776	7.115748583	6.914336163	6.971236163	6.857436163	1.016595123
1.388519333	0.353990974	5.976003074	5.836053763	5.887691263	5.784416263	1.017854006
1.500536256	0.482630533	9.889751266	4.780302786	4.978097786	4.582507786	1.086326094
1.482401919	0.637712267	9.719590786	6.563081429	6.574648096	6.551514763	1.00353099
1.412571565	0.433757168	8.639249111	4.781884353	4.818931853	4.744836853	1.015615922
1.779316379	0.801669964	12.29617356	6.696986898	7.025426898	6.368546898	1.103144408
1.703726658	0.744934172	12.90183446	5.903391684	5.965151684	5.841631684	1.021144777
1.56187077	0.549396833	11.94286668	4.428380308	4.440750308	4.416010308	1.005602342
1.187253135	0.276207119	4.053223471	6.870565597	6.895264764	6.845866431	1.00721579
1.551661653	0.536787848	8.500223254	6.484348279	6.584148279	6.384548279	1.031262979
1.530180427	0.645181457	10.12718391	5.849648824	5.858656324	5.840641324	1.003084422
1.463632726	0.614016636	7.909226087	7.90421904	7.95842904	7.85000904	1.013811449
1.454745952	0.500589982	7.038851249	6.641105185	6.874415185	6.407795185	1.07282068
1.393115378	0.472082582	7.071736288	6.730933296	6.792268296	6.669598296	1.018392412
2.173398715	1.262466236	16.06456744	7.518258744	7.694206244	7.342311244	1.047927007
1.423927871	0.668957554	8.315566967	7.892224743	7.920829743	7.863619743	1.007275275
1.526663305	0.404655505	7.162397794	5.788465938	5.796660938	5.780270938	1.002835507
1.198951739	0.22338291	3.973145681	5.683407365	5.783067365	5.583747365	1.035696457
1.719602224	0.752546483	12.48188635	5.983628983	6.097643983	5.869613983	1.038849233
1.487813025	0.435797887	6.870253859	6.495008657	6.677221157	6.312796157	1.057727985
1.452281597	0.618628192	9.227341818	6.711475718	6.878610718	6.544340718	1.05107772
1.224941053	0.296829169	4.950571708	6.048265625	6.158895625	5.937635625	1.037263991
1.725744926	0.577573602	9.16221573	6.338480835	6.415048335	6.261913335	1.024454986
1.435425239	0.472082038	7.892448125	6.15184448	6.28038448	6.02330448	1.042680891
1.540462358	0.588273658	11.44294001	5.081409472	5.214799472	4.948019472	1.053916522
1.410026693	0.51765062	7.505971537	7.120160549	7.297784549	6.942536549	1.05116977
1.512953476	0.53830926	6.980933153	7.867880345	7.975495345	7.760265345	1.027734876
1.418945954	0.521197283	7.573511731	6.866884475	6.926194475	6.807574475	1.017424708
1.473849847	0.503507	9.227069086	5.844047227	5.870077227	5.818017227	1.008948066
1.418463713	0.535522669	8.473374704	5.951494283	6.164514283	5.738474283	1.074242731
1.329063511	0.384522959	6.143284974	6.319503561	6.423611895	6.215395228	1.033500149
1.357027241	0.533864218	6.866436854	8.091383435	8.113858435	8.068908435	1.005570766
1.575280436	0.741567218	9.652355087	7.512005002	7.606905002	7.417105002	1.025589499
1.36717243	0.35507889	6.316488405	5.454994986	5.543819986	5.366169986	1.033105548
1.324406727	0.399760654	6.048949826	6.491786321	6.505416321	6.478156321	1.004207987
1.202285034	0.130529525	3.131142294	4.234457605	4.253182605	4.215732605	1.008883391
2.744046534	1.442543077	22.51728443	6.444814985	6.475379985	6.414249985	1.009530343
1.973476088	0.812599688	11.27512767	7.378222671	7.405747671	7.350697671	1.007489085
1.518420926	0.445652421	7.734870722	5.693737136	5.795382136	5.592092136	1.036353121
1.353911999	0.444614143	5.395389832	8.217315633	8.251113966	8.1835173	1.008260099
1.498329548	0.517891331	7.678709137	6.987904216	7.022039216	6.953769216	1.009817697
1.185797581	0.289756236	4.414834529	6.846546889	6.946781889	6.746311889	1.029715495
1.823322452	0.673062979	10.57495761	6.410945517	6.425795517	6.396095517	1.004643458
1.669087097	0.666669559	11.91153526	5.471377136	5.567827136	5.374927136	1.035888859
1.121795974	0.169106477	2.853017342	5.792012694	5.816179361	5.767846027	1.008379789
1.322882379	0.36774252	6.678106955	6.388988562	6.723013562	6.054963562	1.110330969

1.280839378	0.313824545	5.64665342	5.676949089	5.795656589	5.558241589	1.042714048
1.418536706	0.38030306	5.784221474	6.591619948	6.644112448	6.539127448	1.016054894
1.640199402	0.572728268	8.698407467	6.71895453	6.86668203	6.57122703	1.044961922
1.586311969	0.581937659	8.654186972	6.465526284	6.672286284	6.258766284	1.066070529
1.287429295	0.256302552	5.304125619	4.848976496	4.875416496	4.822536496	1.010965184
1.670291985	0.764129513	10.30265117	7.426905749	7.553605749	7.300205749	1.03471135
1.504742065	0.587878921	8.053873203	6.879356662	6.916856662	6.841856662	1.010961937
1.897563871	1.101396741	15.26138986	7.053741919	7.063646919	7.043836919	1.002812388
1.910362631	0.917175507	12.10694782	7.665712749	7.809817749	7.521607749	1.038317606
1.401825937	0.452169492	5.950810157	7.743490114	7.747750114	7.739230114	1.001100885
1.503860996	0.722923318	9.217667344	8.056949122	8.180314122	7.933584122	1.031099437
1.165770195	0.126955321	3.067027161	4.118852287	4.14384562	4.093858953	1.012210158
2.480698762	1.24654334	21.65038828	5.318724964	5.322738714	5.314711214	1.00151043
1.37024466	0.408176262	7.682265029	5.315418901	5.365438901	5.265398901	1.01899951
1.556936676	0.624369772	8.426184527	7.447504808	7.517423558	7.377586058	1.018954371
1.524426714	0.466984254	7.586596374	6.125926434	6.230211434	6.021641434	1.034636735
1.349554416	0.511363344	6.15559551	8.274201513	8.477981513	8.070421513	1.05050046
1.311504696	0.316548855	6.082678216	5.034269187	5.077244187	4.991294187	1.017219983
1.288744648	0.279690982	4.870659889	5.822772804	5.893117804	5.752427804	1.024457499
1.169924121	0.15121626	3.245319922	4.645553185	4.658846518	4.632259852	1.005739459
1.515575858	0.773066794	9.548777037	8.301306991	8.490456991	8.112156991	1.046633713
1.451785101	0.660555233	8.562171333	7.712057774	7.787272774	7.636842774	1.019697931
1.534062621	0.532115253	7.255521302	7.407890887	7.538570887	7.277210887	1.035914859
1.695970386	0.800359067	11.64676867	6.949004933	7.106899933	6.791109933	1.046500499
1.441504577	0.404981781	6.81600567	5.999054371	6.149216871	5.848891871	1.051347333
1.383940749	0.554593917	7.791541281	7.093250982	7.167544732	7.018957232	1.021169455
1.277882239	0.346078044	5.501383804	6.425008881	6.449812881	6.400204881	1.007751002
1.442247602	0.429343593	7.190668209	6.444870843	6.528690843	6.361050843	1.026354136
1.446857791	0.430835472	6.661271387	6.689167566	6.714802566	6.663532566	1.007694117
1.381146372	0.45625269	7.299850025	6.351434021	6.360289021	6.342579021	1.00279224
1.219652579	0.255039224	3.825881698	6.636399041	6.655669041	6.617129041	1.005824278
1.874335751	0.667985923	11.23006308	6.029159965	6.247507465	5.810812465	1.075152141
1.440381328	0.481197115	6.976337031	7.027262916	7.130857916	6.923667916	1.02992489
1.218845948	0.264508137	4.866507178	5.956781103	6.025601103	5.887961103	1.023376513
1.719051538	0.785710226	10.74841385	7.360475116	7.433300116	7.287650116	1.019985866
2.318312808	0.861268678	17.5812637	4.71643578	4.86794078	4.56493078	1.066377786
1.427719491	0.67890333	8.110222703	8.405364894	8.458074894	8.352654894	1.012621137
1.418998121	0.4111754	6.344710438	6.446892082	6.546430832	6.347353332	1.03136386
1.530839775	0.65689847	8.949102822	7.480196155	7.618301155	7.342091155	1.037620072
1.50369585	0.478016068	8.476097035	5.643783264	5.695898264	5.591668264	1.018640233
1.248045222	0.241059212	4.015995087	5.968957231	5.971314731	5.966599731	1.000790232
1.914272852	0.815667395	12.71192215	7.225158494	7.270723494	7.179593494	1.012692919
1.563804608	0.541952093	7.992789061	6.747432294	6.783869794	6.710994794	1.010859046
1.25035322	0.156986012	4.454268829	3.495995815	3.535690815	3.456300815	1.022969644
1.776165368	0.735783783	13.82876212	5.696874065	5.747819065	5.645929065	1.018046631
1.35408092	0.411422108	6.15681475	6.454613591	6.506993591	6.402233591	1.016363039
1.378789541	0.459182603	6.703503073	6.991428637	7.291978637	6.690878637	1.089838724

1.725777574	0.455334664	11.68551327	4.077943973	4.107078973	4.048808973	1.014391887
1.910755863	0.832319419	14.69933562	5.534760165	5.597845165	5.471675165	1.023058752
1.306769818	0.271022859	4.858291491	5.868521716	5.915679216	5.821364216	1.016201529
2.15859731	0.743466721	10.01953849	7.594230146	7.656075146	7.532385146	1.016421093
1.811727066	0.934497952	12.50170515	7.157534791	7.306009791	7.009059791	1.042366595
1.356362718	0.249473815	6.514878744	3.862918067	3.895693067	3.830143067	1.017114243
1.546561465	0.65615781	7.623829708	9.329505831	9.413250831	9.245760831	1.018115329
1.395146289	0.420982659	7.385150898	5.560832864	5.569435364	5.552230364	1.003098755
1.240529274	0.377638484	5.299254105	6.912996328	6.951591328	6.874401328	1.011228614
1.288462774	0.383698923	6.093189411	6.161578725	6.263976225	6.059181225	1.033799121
1.630892517	0.336807721	9.415514662	3.48837239	3.55171739	3.42502739	1.036989485
1.290818064	0.306011498	5.918683806	5.254093445	5.361425945	5.146760945	1.041708757
1.932465147	0.823657072	15.27718191	5.261086798	5.276466798	5.245706798	1.005863843
1.571559516	0.689282819	8.596842148	8.20903782	8.29615907	8.12191657	1.021453372
2.386815091	1.319561709	14.64069094	8.611134727	8.655694727	8.566574727	1.010403224
1.556863229	0.505095575	8.157667662	6.105046805	6.120905138	6.089188471	1.005208685
1.312379494	0.285841636	4.88295401	5.704203347	5.708413347	5.699993347	1.001477195
1.761272271	0.655938613	11.3733468	6.011748951	6.047193951	5.976303951	1.011861846
1.641218722	0.659139928	8.931867302	7.54523538	7.61506038	7.47541038	1.018681249
1.248039792	0.197834993	4.39005746	4.589093951	4.601096451	4.577091451	1.005244597
1.435581478	0.570386172	8.384075915	6.847598692	6.915538692	6.779658692	1.020042307
3.129522665	1.952497998	31.99820189	7.282153231	7.662868231	6.901438231	1.110329177
1.767312342	0.702299862	11.55232987	5.98834714	6.02723214	5.94946214	1.01307177
1.524964871	0.395823116	6.735187087	6.124044145	6.285919145	5.962169145	1.054300707
1.439384962	0.604229365	6.859597653	8.895157489	8.966919989	8.823394989	1.016266414
1.918007979	0.840263603	12.94388579	6.218747786	6.299372786	6.138122786	1.026270247
1.32465333	0.457457206	6.780714775	7.210717927	7.368862927	7.052572927	1.044847463
1.232762158	0.314197128	4.638824398	7.02897083	7.04793333	7.01000833	1.005410122
1.590934425	0.502989193	7.765779795	6.568191732	6.582584232	6.553799232	1.004392109
1.57259131	0.530974667	10.62110904	5.358297086	5.418427086	5.298167086	1.022698416
1.464513553	0.55215298	6.696726621	8.107634495	8.235244495	7.980024495	1.031982358
1.473242978	0.409478458	6.582736844	6.187023398	6.213793398	6.160253398	1.008691201
1.207864895	0.289505928	4.336426345	6.938528686	6.950463686	6.926593686	1.003446138
1.503592222	0.878020736	10.97570634	7.911317314	7.928972314	7.893662314	1.004473209
1.391437721	0.411624046	6.086494346	6.752550246	6.80845358	6.696646913	1.016695918
1.233159188	0.380766025	4.972165352	7.73795809	7.83022809	7.64568809	1.02413648
1.384668328	0.52285807	8.019071196	6.54730747	6.69277497	6.40183997	1.045445528
1.698129101	0.666534276	9.202988342	7.166843616	7.200026116	7.133661116	1.009303077
1.580390198	0.520380292	8.135897478	6.425128588	6.548265254	6.301991921	1.039078649
1.470250047	0.365766055	6.624191647	5.556567613	5.621167613	5.491967613	1.023525266
1.477067463	0.638652084	8.742646051	7.239696284	7.293449617	7.18594295	1.01496069
1.788992463	0.802906544	15.7579649	4.90337972	4.93728222	4.86947722	1.013924493
1.258791257	0.308935715	5.014066974	6.327404169	6.357714169	6.297094169	1.009626662
1.52738272	0.639939685	8.431508322	7.339417921	7.536886671	7.141949171	1.055298279
1.588161722	0.593686283	9.335442146	6.642810285	6.705771952	6.579848619	1.019137725
1.373555657	0.558203412	7.332689034	7.847908485	8.061038485	7.634778485	1.055831351
1.377834167	0.388939596	7.297561287	5.417175561	5.466560561	5.367790561	1.018400494

1.648141898	0.631974157	9.491435138	6.809306519	6.893161519	6.725451519	1.024936616
1.61354444	0.561333997	11.30739976	4.680835889	4.830125889	4.531545889	1.065889215
1.972482519	0.872714998	13.58986989	6.867387869	7.098217869	6.636557869	1.06956317
1.467985413	0.614008891	8.626973314	7.16657909	7.22810034	7.10505784	1.017317593
1.289259077	0.413940221	7.791829194	5.503802281	5.701362281	5.306242281	1.074463241
1.351645348	0.398370509	6.492565213	6.124896556	6.158964556	6.090828556	1.011186655
1.452996335	0.524587542	9.077748056	5.670610772	5.721188272	5.620033272	1.017999004
1.454209933	0.404417139	6.775301256	5.956120531	6.005605531	5.906635531	1.016755732
1.462012247	0.567658734	8.828033484	6.696028662	7.060388662	6.331668662	1.115091304
1.426261671	0.44560064	7.369311384	5.992086082	6.081536082	5.902636082	1.030308492
1.392265829	0.569338248	6.274433407	9.11304925	9.20538925	9.02070925	1.020472891
1.505036183	0.483115422	7.633887635	6.39468551	6.54139801	6.24797301	1.046963231
1.624387023	0.709031909	10.78865021	6.434293946	6.63840728	6.230180613	1.06552405
1.547196908	0.455570097	8.281050397	5.444081759	5.536291759	5.351871759	1.034458972
1.273020131	0.462609912	5.515189196	8.308834129	8.420859129	8.196809129	1.027333807
1.324351642	0.394760946	5.903575354	6.626243504	6.976028504	6.276458504	1.111459352
1.233679479	0.315709497	5.231785375	6.32711935	6.34018935	6.31404935	1.004139974
1.267916263	0.269132933	5.173905293	5.864858845	5.866313845	5.863403845	1.000496299
1.565546454	0.416420417	7.568033026	5.574812164	5.638652164	5.510972164	1.023168326
1.32174627	0.341774544	5.444604127	6.624429403	6.626152736	6.622706069	1.000520432
1.326670643	0.270615703	4.68768184	5.770726266	5.774851266	5.766601266	1.001430652
1.548168058	0.607369337	9.45122038	6.646066703	6.665231703	6.626901703	1.005784
1.432776979	0.483418572	7.564669273	6.542620922	6.596002589	6.489239256	1.016452365
1.356801579	0.333626485	6.339806715	5.282128002	5.347130502	5.217125502	1.024918895
1.74350707	0.694628793	13.0850388	5.313199476	5.534016976	5.092381976	1.086724641
1.365130534	0.345715294	5.447195749	6.519944562	6.641439562	6.398449562	1.037976388
2.248386273	1.364693286	22.10023945	5.374221889	5.389536889	5.358906889	1.005715718
1.479098363	0.542539253	8.824024407	6.141377477	6.183512477	6.099242477	1.01381647
1.362160944	0.52565531	7.148211111	7.443013661	7.520648661	7.365378661	1.021081061
1.586976516	0.719669162	8.906461147	8.464530871	8.590173371	8.338888371	1.030134112
1.424705635	0.501926119	7.422795196	6.810041345	6.991579678	6.628503011	1.054775062
1.565031393	0.542138659	6.683730037	8.251593239	8.284173239	8.219013239	1.007927959
1.604690459	0.501699105	7.27315929	6.978070235	7.084601901	6.871538568	1.031006642
1.532255335	0.719748054	9.155151352	7.702811118	7.875151118	7.530471118	1.045771373
2.291182553	1.033500427	15.85514162	6.086739554	6.266344554	5.907134554	1.060809517
1.507125358	0.440063953	8.949038593	5.293699951	5.372439951	5.214959951	1.030197739
1.350321966	0.560570062	6.788771108	8.108111667	8.115290001	8.100933334	1.001772224
1.877077799	0.902173279	14.6294051	5.778505634	5.819368134	5.737643134	1.014243653
1.516763668	0.509075694	7.6522504	6.532746231	6.570261231	6.495231231	1.011551552
1.359933139	0.378782726	6.944670948	5.520449324	5.539536824	5.501361824	1.006939191
1.475350659	0.438094683	7.370815105	6.072969231	6.253474231	5.892464231	1.061266388
1.35572011	0.352303705	5.44271165	6.586347816	6.745142816	6.427552816	1.049410718
1.317747148	0.372012468	5.319071063	6.926763233	6.9864799	6.867046567	1.017392242
1.720846853	0.955602266	12.97427053	7.473333776	7.528708776	7.417958776	1.014929983
1.443033304	0.467437487	6.894769873	6.487765498	6.728840498	6.246690498	1.077184871
1.310553022	0.519590431	6.361988762	8.290434059	8.309486559	8.271381559	1.004606848
1.856809839	0.803975181	11.5775232	7.031448368	7.096998368	6.965898368	1.018820257

1.300416742	0.259012258	5.883928	4.176674348	4.183029348	4.170319348	1.003047728
1.291947775	0.25458155	5.424115426	4.775507262	4.857292262	4.693722262	1.034848675
2.007401141	0.619909917	10.12011302	6.12911633	6.23505133	6.02318133	1.035175763
1.56882562	0.536060787	8.531592739	6.478275407	6.507257074	6.449293741	1.008987547
1.516175206	0.789452255	9.852271367	7.886678951	7.967623951	7.805733951	1.020739882
1.444871736	0.475640037	5.829890292	8.314992056	8.362582056	8.267402056	1.011512686
2.325571508	1.003058976	11.81310422	9.119884159	9.140534159	9.099234159	1.004538844
2.408246552	1.04844284	25.545127	4.017735191	4.034320191	4.001150191	1.008290116
1.45121017	0.495805936	7.200889046	6.904461536	6.913016536	6.895906536	1.002481182
1.241866207	0.357407309	5.407213737	6.670577865	7.020062865	6.321092865	1.110577398
1.476481612	0.533685331	7.378763199	7.367653775	7.514386275	7.220921275	1.040640936
1.465307673	0.41186752	6.968473147	5.990643426	6.142690926	5.838595926	1.052083584
1.966235916	0.752694054	13.27208069	5.813192955	5.884880455	5.741505455	1.024971674
1.573176731	0.502297587	7.314953924	6.825329794	7.067017294	6.583642294	1.073420605
1.241233815	0.392596886	4.180281599	9.399647966	9.481042966	9.318252966	1.017470013
1.254987943	0.264259748	5.128133056	5.200473688	5.308103688	5.092843688	1.042267152
2.230259611	0.75365618	11.35889287	6.848158314	6.886968314	6.809348314	1.011399035
1.401295462	0.63523249	8.281923749	7.842671203	7.888426203	7.796916203	1.011736691
1.345010312	0.399463533	6.491220791	5.978034559	6.041314559	5.914754559	1.021397338
1.218316549	0.330087398	4.49359192	7.430095439	7.612775439	7.247415439	1.050412454
1.713263293	0.796407748	12.26182134	6.851034633	6.861534633	6.840534633	1.003069935
1.387727746	0.514863813	8.582841559	5.192602919	5.339492919	5.045712919	1.058223685
1.634374841	0.706137633	10.01237105	6.88631659	6.99483659	6.77779659	1.032022206
1.146345558	0.186169501	3.574302935	4.955057243	5.013582243	4.896532243	1.023904673
2.118145437	1.200011538	15.97715355	7.444472508	7.692942508	7.196002508	1.069057786
1.54704863	0.645948285	8.091194441	7.86356234	8.06683234	7.66029234	1.053071082
1.305012445	0.256296034	4.578431611	5.585024148	5.586594148	5.583454148	1.000562376
1.553258343	0.552110497	7.570536556	7.492350266	7.561500266	7.423200266	1.018630779
1.297650891	0.432711791	6.190336576	6.840147888	7.005540388	6.674755388	1.049557621
1.770518994	0.630296337	11.05339752	5.760154126	5.994344126	5.525964126	1.08475987
2.410800379	1.035831305	15.54205776	7.547470337	7.621982837	7.472957837	1.019941903
1.333551693	0.459528292	5.088530664	9.213359463	9.229179463	9.197539463	1.00344005
1.574905637	0.631967638	9.77527417	6.085067291	6.095822291	6.074312291	1.003541142
1.443344121	0.48432281	7.02037851	6.71492046	6.82491546	6.60492546	1.033306962
1.412212438	0.6949853	8.533595188	8.279933729	8.442123729	8.117743729	1.039959379
1.226042106	0.183268623	4.106247013	4.445108881	4.558283881	4.331933881	1.05225149
1.241816349	0.183240346	3.992001341	4.704003912	4.765498912	4.642508912	1.026492141
1.387509602	0.297998524	6.165159941	4.929217173	4.972133839	4.886300506	1.017566118
1.287529526	0.281825908	5.358909043	5.251352621	5.288825121	5.213880121	1.014374132
1.36155272	0.401214327	6.083879112	6.618562045	6.684287045	6.552837045	1.020060014
1.58885355	0.58663204	8.927492169	6.496933269	6.538898269	6.454968269	1.013002388
1.36274457	0.435495047	6.098847835	7.162406609	7.170676609	7.154136609	1.002311949
1.291242021	0.249112982	4.804908018	5.15274463	5.18016713	5.12532213	1.010700791
1.456327287	0.49288887	8.768803023	5.847099001	5.856604001	5.837594001	1.003256479
1.644590671	0.461143089	8.222094255	5.94859879	5.99171379	5.90548379	1.014601683
1.673786491	0.64339151	11.82504617	5.458803478	5.515528478	5.402078478	1.021001176
1.4007831	0.495614776	6.706769145	7.703084977	7.709024977	7.697144977	1.001543429

1.773913045	0.763699044	12.45027068	5.845892067	5.882017067	5.809767067	1.012435955
1.950732903	1.014253916	13.73392127	7.958670306	8.072927806	7.844412806	1.029130925
1.224978191	0.331073425	4.748076344	6.880234024	6.972030691	6.788437357	1.027045007
1.684604852	0.73961055	10.82473727	7.201437273	7.474652273	6.928222273	1.07887016
1.773930104	0.615564449	15.29641679	4.167338482	4.206493482	4.128183482	1.018969603
1.660495477	0.680517815	10.94945466	6.701138392	6.823253392	6.579023392	1.037122531
1.504724175	0.462705448	7.34777571	6.567087776	6.639757776	6.494417776	1.022379219
2.067527006	0.986026712	14.6542331	7.496945517	7.658322184	7.335568851	1.043998406
1.77255215	0.628774894	11.85204029	5.334308078	5.398353078	5.270263078	1.02430429
1.283110751	0.283573926	5.164909994	5.479916777	5.545443444	5.414390111	1.024204634
1.328807379	0.373189633	7.299529854	5.318497869	5.319800369	5.317195369	1.00048992
1.204755581	0.231812593	3.805752631	6.026581519	6.109036519	5.944126519	1.027743353
1.714007443	0.775149261	10.62453456	7.60694837	7.77168337	7.44221337	1.044270432
1.391600409	0.40867133	6.920726017	6.12818601	6.17229851	6.08407351	1.014500975
1.163557042	0.222842094	3.539197543	6.456982964	6.542775464	6.371190464	1.026931388
1.431775028	0.431927738	5.825414375	7.631393423	7.680478423	7.582308423	1.012947244
1.41664638	0.58276796	7.933560156	7.486748236	7.609868236	7.363628236	1.033440037
1.454661357	0.55084512	7.722954448	6.845091807	7.018076807	6.672106807	1.051853187
2.999924392	1.364479711	30.9533079	3.94429786	3.94429786	3.94429786	1
1.294465753	0.233047296	4.890853473	4.586974146	4.590131646	4.583816646	1.001377673
1.669852142	0.607574083	10.9913893	6.020136404	6.095141404	5.945131404	1.025232411
1.569684415	0.537118975	9.303189996	5.750973294	5.887327294	5.614619294	1.048571058
2.134121491	0.951492685	14.6898213	6.65969827	6.71674327	6.60265327	1.017279417
1.318897221	0.219756576	5.287667187	4.029479799	4.127429799	3.931529799	1.049827932
1.529544227	0.469792685	8.839376572	5.42500321	5.45026821	5.39973821	1.009357861
1.321499078	0.281838088	5.060618801	5.599202091	5.663000424	5.535403757	1.023051013
1.522410133	0.613305427	8.610193466	7.199918658	7.321890658	7.077946658	1.034465363
1.430269359	0.426736521	7.397483474	5.683350333	5.736141583	5.630559083	1.01875169
1.738547763	0.924632263	11.10135887	8.033292376	8.052412376	8.014172376	1.004771547
1.565730451	0.623247107	11.14500815	5.628267665	5.654157665	5.602377665	1.009242504
1.635022978	0.622691933	8.716907715	7.17132463	7.30117213	7.04147713	1.036880756
1.750344072	0.7637252	12.65795765	5.998136366	6.103016366	5.893256366	1.035593225
1.261481379	0.329858824	4.663316743	7.050232625	7.134912625	6.965552625	1.024313936
1.6931198	0.644393755	10.52911965	6.049167421	6.098889921	5.999444921	1.0165757
1.29651765	0.406021685	6.122827689	6.773536724	6.995504224	6.551569224	1.067760102
1.261545551	0.288124728	4.585455187	6.32531986	6.33481486	6.31582486	1.003006733
1.117712533	0.109234864	2.629489829	4.173846484	4.297766484	4.049926484	1.061196173
1.797668397	0.699454456	12.351628	5.841124848	5.939797348	5.742452348	1.03436598
1.701897829	0.697135553	11.13276588	6.204862747	6.265102747	6.144622747	1.019607388
2.084641046	0.83556402	20.89957467	4.273016932	4.401596932	4.144436932	1.062049442
1.414002432	0.573804481	6.97980055	8.840954435	8.921024435	8.760884435	1.018278976
1.517013568	0.531412113	8.678088704	5.734996295	5.824196295	5.645796295	1.031598731
1.379077058	0.44333597	8.45982601	5.052723795	5.073651295	5.031796295	1.008318103
1.237891681	0.200880522	3.952050158	5.190563753	5.228488753	5.152638753	1.014720613
1.331780176	0.356824	7.129044504	5.198439	5.532260666	4.864617333	1.13724478
1.103421198	0.104119853	2.303997762	4.658708469	4.723316802	4.594100136	1.028126654
1.34935488	0.298021661	5.127321526	5.853404517	5.956639517	5.750169517	1.035906768

1.207247759	0.245873188	5.845291007	4.227248168	4.260728168	4.193768168	1.015966548
1.308379305	0.357799289	5.182278885	7.052021658	7.251056658	6.852986658	1.058087082
1.913299777	0.870218754	11.35960141	7.902613761	7.966608761	7.838618761	1.016328132
1.448845932	0.575091458	8.560989162	6.632777337	6.685632337	6.579922337	1.016065539
1.386425383	0.41670262	6.182835815	6.66506751	6.67081001	6.65932501	1.001724649
1.485914771	0.588252476	9.503447189	6.348905297	6.385041963	6.31276863	1.011448754
1.229195751	0.167926094	4.081135042	4.346117733	4.351346483	4.340888983	1.002409069
1.502476856	0.500094919	7.879667298	6.234247197	6.515977197	5.952517197	1.094659113
1.462012845	0.450972068	7.335714464	6.085939889	6.130504889	6.041374889	1.014753264
1.369283159	0.251558845	5.657197234	4.441895116	4.510822616	4.372967616	1.031524359
1.467614584	0.426200424	7.902882945	5.360281931	5.382983597	5.337580264	1.008506351
1.419507614	0.728926284	8.260176957	8.806614938	8.912774938	8.700454938	1.024403322
1.239470134	0.243904046	5.323834424	4.499900143	4.577570143	4.422230143	1.035127073
1.953786444	0.788934127	14.56355024	5.497539199	5.663616699	5.331461699	1.062300926
1.807022641	0.682834549	10.36324007	6.947030694	7.065710694	6.828350694	1.034760956
1.52070712	0.871282326	8.669040477	9.499928087	9.728653087	9.271203087	1.049340953
1.502271194	0.725411133	10.18201691	7.216406603	7.220705353	7.212107853	1.001192093
1.424454333	0.616609512	7.609572799	8.169961698	8.317309198	8.022614198	1.036733039
1.277146169	0.292947462	4.742501072	6.192716645	6.234156645	6.151276645	1.013473626
1.568733198	0.505603397	8.08371599	6.403232897	6.403602897	6.402862897	1.000115573
1.426395003	0.722722982	8.722159483	7.966571205	7.998136205	7.935006205	1.007955885
1.963068704	0.889075784	13.72440039	7.041934335	7.058749335	7.025119335	1.004787107
1.464644269	0.81916415	9.227616227	8.279185545	8.456805545	8.101565545	1.043848315
1.400292521	0.457238614	7.200986904	6.297687648	6.415305148	6.180070148	1.038063484
1.971884742	0.722161077	11.53643816	6.505869006	6.599079006	6.412659006	1.029070624
1.547321259	0.527438335	6.966807498	7.751612406	7.803347406	7.699877406	1.013437876
1.40869753	0.402017885	5.865868109	6.985422601	7.134627601	6.836217601	1.043651331
1.831069499	0.930559035	17.61651555	5.362810869	5.597883369	5.127738369	1.09168662
1.519936439	0.54673626	7.365733382	7.52948382	7.57363882	7.48532882	1.011797745
1.792371535	0.795292694	11.257747	7.106203009	7.271563009	6.940843009	1.047648391
1.380492981	0.364501579	5.593584772	6.523358021	6.632238021	6.414478021	1.033948203
1.303357992	0.509014466	7.38551275	6.834505284	6.991681534	6.677329034	1.047077581
1.343916642	0.427839745	6.27351414	6.831391113	6.944156113	6.718626113	1.033567875
2.017519919	1.118599446	12.77983229	8.445990121	8.560045121	8.331935121	1.027377794
1.726605595	0.775382598	10.72931952	7.268186132	7.478196132	7.058176132	1.059508291
1.244440458	0.282986655	5.809920435	4.641918076	4.694093076	4.589743076	1.022735477
1.461750504	0.481237574	6.777553133	7.594909174	7.774424174	7.415394174	1.048416846
1.446270378	0.505849863	7.497423593	6.657452443	6.825027443	6.489877443	1.051641961
1.927585216	0.93562789	17.02198746	5.53090597	5.54400097	5.51781097	1.004746447
1.457045165	0.551982596	7.533906543	7.543281952	7.602761952	7.483801952	1.015895664
1.363173912	0.277721488	5.111103908	5.488096881	5.488171881	5.488021881	1.000027332
1.603434204	0.626157723	9.583250667	6.519014615	6.680864615	6.357164615	1.050918927
1.462314262	0.5718661	8.785241319	6.569549864	6.662136531	6.476963197	1.02858953
2.060263434	1.025693032	14.28113112	7.662191326	7.767526326	7.556856326	1.027877995
1.800357308	0.626394766	9.257099367	6.671845199	6.888985199	6.454705199	1.067281152
1.299681299	0.451897812	4.971127874	9.301233522	9.330538522	9.271928522	1.006321231
1.129615339	0.155035881	3.205220467	4.725179273	4.763711773	4.686646773	1.016443526

1.577488728	0.519614714	9.179117571	5.73288179	5.837358457	5.628405124	1.037124786
1.75885324	0.586738255	10.68107585	5.271119991	5.413542491	5.128697491	1.055539443
1.517747981	0.568099289	8.694878	6.715471701	6.802841701	6.628101701	1.026363506
1.464488579	0.565560641	8.903274916	6.152413181	6.153698181	6.151128181	1.00041781
1.502463369	0.599719979	8.781116667	6.901224123	6.914326623	6.888121623	1.003804375
1.547615588	0.705486837	10.28841484	6.687462851	6.731552851	6.643372851	1.013273378
1.205563296	0.208472297	4.096903215	5.059507459	5.107037459	5.011977459	1.018966566
1.371261351	0.616801856	6.91657621	9.148255938	9.172520938	9.123990938	1.005318944
1.350984588	0.516470267	6.496683322	7.883244411	7.996644411	7.769844411	1.029189774
1.390710974	0.381791834	5.538249899	7.070492094	7.082275428	7.058708761	1.003338665
1.255436121	0.196391547	3.741755907	5.281684258	5.350529258	5.212839258	1.026413629
1.267946447	0.271780099	5.316164196	5.388122346	5.603962346	5.172282346	1.083460254
1.480760561	0.518846625	7.946991405	6.78693974	6.93319224	6.64068724	1.044047399
1.97251592	0.876549244	12.19506876	7.075014251	7.436794251	6.713234251	1.107781134
2.260319913	1.050680087	14.10170407	7.495984066	7.759266566	7.232701566	1.072803363
1.503952258	0.486282761	7.705873662	6.218035481	6.264050481	6.172020481	1.014910838
1.4510814	0.682039728	8.622354492	7.932188043	7.962853043	7.901523043	1.007761795
1.747478349	0.901500628	12.33006202	7.210252302	7.507009802	6.913494802	1.085848766
1.408616854	0.431561268	8.130618998	5.224975207	5.279370207	5.170580207	1.021040192
1.207257654	0.25047632	3.936862472	6.483846648	6.511936648	6.455756648	1.008702311
1.437200473	0.525045437	7.823356866	6.739035088	6.817030088	6.661040088	1.023418265
1.292359518	0.341292577	4.763605621	7.224796571	7.256081571	7.193511571	1.008698116
1.305210069	0.353789728	5.430217649	6.563085521	6.673775521	6.452395521	1.034309738
1.491137228	0.493230122	6.925665141	7.168559079	7.170621579	7.166496579	1.000575595
1.786069288	0.854706439	11.97580712	7.141865825	7.292353325	6.991378325	1.043049451
1.351348278	0.514759344	6.900085072	7.514718642	7.599003642	7.430433642	1.022686428
1.401717225	0.419817589	7.368343052	5.656298254	5.732738254	5.579858254	1.027398545
1.28354552	0.396142225	4.851781689	8.271690461	8.335360461	8.208020461	1.015514094
1.389360616	0.613222113	8.166398047	7.902558437	8.038410103	7.76670677	1.034983081
1.226690228	0.202039343	4.506291314	4.622408274	4.631600774	4.613215774	1.003985289
1.362768371	0.463234526	7.049792028	6.608319395	6.812849395	6.403789395	1.063877803
1.358917184	0.456940737	7.26938715	6.520962618	6.576197618	6.465727618	1.017085471
1.370522641	0.39299209	6.101224799	6.346470217	6.511130217	6.181810217	1.053272422
2.497664546	1.24465416	17.37091228	7.134283573	7.392716073	6.875851073	1.075171058
1.371805187	0.428236453	6.450929424	6.537750391	6.777368724	6.298132058	1.076091873
1.541084072	0.510852983	8.333233582	5.924440623	6.007928956	5.840952289	1.028587233
1.610518529	0.739445154	11.14459945	6.952823685	7.045733685	6.859913685	1.027087804
1.191311896	0.164888056	3.419794927	6.296750837	6.337175837	6.256325837	1.01292292
1.494936056	0.584651816	8.869022869	6.810622584	6.962867584	6.658377584	1.045730359
1.501436286	0.497496595	7.210504114	6.950413125	7.008525625	6.892300625	1.01686302
1.537566629	0.498904679	9.296998545	5.371896089	5.531111089	5.212681089	1.061087566
2.106126796	0.853703458	11.88523189	7.164492064	7.431277064	6.897707064	1.077354691
1.456667403	0.559219535	10.50742793	5.162835046	5.168170046	5.157500046	1.002068832
1.334837663	0.377395557	5.403439253	7.053133562	7.070853562	7.035413562	1.005037373
1.604870951	0.619836893	9.675064246	6.424806827	6.446308494	6.40330516	1.006715803
1.711599018	0.698599786	9.445874881	7.374500945	7.441505945	7.307495945	1.018338703
1.184607909	0.216521676	3.550890789	6.045233321	6.132905821	5.957560821	1.029432347

1.452795252	0.382877405	6.392768192	6.109552019	6.285212019	5.933892019	1.059205661
1.906227162	0.777094282	12.25284835	6.33371456	6.46279956	6.20462956	1.041609253
1.438671787	0.573576197	7.727672796	7.605140555	7.639635555	7.570645555	1.009112829
1.579002044	0.588775134	10.14315906	6.296314679	6.345934679	6.246694679	1.015886802
1.222572758	0.305215	4.301635321	6.827472675	6.868387675	6.786557675	1.012057659
1.454491993	0.441332499	7.856866351	5.566068459	5.582108459	5.550028459	1.005780151
2.48677151	1.410028725	16.30593549	7.987601782	8.417926782	7.557276782	1.113883615
1.268692547	0.329985431	4.806057362	6.779861187	6.881258687	6.678463687	1.030365517
1.20271322	0.254523503	4.405611113	5.822434356	5.867098106	5.777770606	1.015460548
4.343730236	1.328360201	17.86273703	8.035069976	8.049149976	8.020989976	1.003510789
1.118699937	0.090586717	2.104609394	4.606903819	4.782927152	4.430880485	1.079452982
2.090364818	0.861288563	12.98629251	6.749743983	6.807751483	6.691736483	1.017337054
1.150187472	0.159865443	3.491108413	4.531530765	4.559037431	4.504024098	1.012214263
1.272636412	0.328584539	5.586227327	5.978641858	5.985178524	5.972105191	1.002189066
1.549460252	0.682416242	10.52661202	6.97063589	7.00192589	6.93934589	1.009018141
1.977286488	0.693952177	9.07468944	7.895340952	7.913875952	7.876805952	1.004706222
1.341414136	0.411654727	7.690634761	5.15429832	5.20090332	5.10769332	1.018248942
1.873138908	0.810664243	12.20733145	6.622164119	6.671014119	6.573314119	1.014863127
1.504329855	0.537760719	9.065977278	5.12999822	5.15414822	5.10584822	1.009459741
1.565766878	0.613929678	8.948104352	6.922799035	7.059069035	6.786529035	1.040158968
1.588749237	0.606242956	10.80442127	5.759227032	5.827687032	5.690767032	1.024060026
1.446352705	0.415908594	7.714652415	5.535621294	5.58745296	5.483789627	1.018903594
1.414513197	0.407957199	6.715370696	6.123937414	6.135905747	6.111969081	1.003916359
1.419390613	0.471928731	7.072713609	6.59566133	6.633567997	6.557754664	1.011560868
1.812082416	0.881412245	16.05397649	5.602996132	5.749556132	5.456436132	1.053720046
1.599605898	0.628690676	7.996023731	7.847471814	8.092521814	7.602421814	1.064466299
3.095378874	1.546796295	25.77685446	5.54592986	5.57127486	5.52058486	1.009181998
1.460980225	0.413298546	7.180278368	5.776269314	5.870004314	5.682534314	1.032990562
1.351682158	0.351507713	5.914646862	6.004123904	6.086421404	5.921826404	1.027794634
1.424533305	0.392551435	6.534477911	6.167205023	6.283175023	6.051235023	1.038329366
1.355086971	0.380175711	5.365536841	7.309239175	7.346059175	7.272419175	1.010125929
2.689961603	1.835731484	29.54027399	6.280095464	6.342065464	6.218125464	1.019932052
2.212562044	0.86034851	13.14452355	6.808495863	6.863440863	6.753550863	1.01627144
1.15988852	0.208272769	3.760869254	5.629952236	5.631477236	5.628427236	1.000541892
2.817557467	1.246963662	23.79887048	5.51597375	5.59712375	5.43482375	1.029862974
2.288295781	1.002414171	15.17250213	6.633061575	6.751146575	6.514976575	1.036250322
1.251473986	0.167160473	4.023053405	4.195168124	4.253498124	4.136838124	1.028200282
1.885023168	0.75498653	10.68094135	7.28659283	7.40056783	7.17261783	1.031780586
1.611429613	0.687906383	8.859022763	7.617540163	7.699845163	7.535235163	1.02184537
1.985823694	0.867740408	14.115869	5.889427901	5.979057901	5.799797901	1.030907974
1.382615868	0.548498784	7.272368685	7.75968417	7.82450542	7.69486292	1.016847928
1.345887029	0.378563813	8.46717194	4.377018993	4.439148993	4.314888993	1.02879796
1.6345845	0.668743492	9.57318282	7.083918589	7.405488589	6.762348589	1.095106011
1.4688816	0.574047895	7.27495987	8.127319224	8.208447557	8.04619089	1.02016565
1.210491542	0.393280355	3.663981871	10.58101323	10.66320323	10.49882323	1.015656993
1.43341678	0.360404191	7.3062293	4.717925731	4.784665731	4.651185731	1.028698058
1.424770375	0.522201068	8.299506919	6.128881178	6.278133678	5.979628678	1.049920324

1.29073156	0.369683133	5.92215717	6.310239539	6.459979539	6.160499539	1.048612941
1.460007172	0.553411937	8.122649839	6.92715879	7.04278879	6.81152879	1.033951262
1.971069328	0.500005354	12.73318531	4.040270655	4.174285655	3.906255655	1.068615581
1.139766887	0.084524021	2.0419771	4.117152251	4.168692251	4.065612251	1.025354115
1.491208275	0.577308638	8.587498287	7.250820381	7.278982881	7.222657881	1.007798376
1.486292458	0.796397012	8.441992005	9.271646457	9.589136457	8.954156457	1.070914553
1.21563718	0.205285828	4.206494483	5.501815451	5.721205451	5.282425451	1.083064116
1.685552147	0.561806672	8.282477164	6.838256644	6.898926644	6.777586644	1.017903128
1.763627367	0.613921515	8.64947426	7.417396004	7.540691004	7.294101004	1.033806771
1.592871308	0.72287036	9.44467177	7.662649243	7.705119243	7.620179243	1.011146719
1.424619249	0.528398541	7.166312063	7.693314846	7.767477346	7.619152346	1.019467389
1.557099757	0.705606807	9.527302102	7.472060681	7.590485681	7.353635681	1.032208558
1.328926472	0.265646459	6.202132083	3.998235739	3.998235739	3.998235739	1
1.767944703	0.469295651	10.2985054	5.038721835	5.280541835	4.796901835	1.10082341
1.43350519	0.45267752	7.752250719	5.005439174	5.145299174	4.865579174	1.057489559
1.364285699	0.451042433	6.827639904	6.485127323	6.594222323	6.376032323	1.034220341
1.236251414	0.236827393	5.309628105	4.291948805	4.382483805	4.201413805	1.043097397
1.43919267	0.330182642	5.997641946	5.512810392	5.692230392	5.333390392	1.06728178
1.852613054	0.771513454	12.88748807	5.977660069	5.978895069	5.976425069	1.000413291
1.332487225	0.392433032	6.913487752	5.554146668	5.754696668	5.353596668	1.074921595
2.070128096	0.81510119	12.83717987	6.484413564	6.499448564	6.469378564	1.004648051
1.7744336	0.89431121	13.11854741	6.854882657	7.140092657	6.569672657	1.086826244
1.818064017	0.869802771	14.14734219	6.111857924	6.122677924	6.101037924	1.003546937
1.613070824	0.531653927	8.398504849	6.202478732	6.245073732	6.159883732	1.013829806
1.273424343	0.442525298	6.328551427	6.550211491	6.589801491	6.510621491	1.012161665
1.374247922	0.419922089	7.877791882	5.235856781	5.280411781	5.191301781	1.017165251
1.669450547	0.665553687	10.10365263	6.537298069	6.581708069	6.492888069	1.013679583
2.066629142	1.190760095	22.35736553	4.998168773	5.016593773	4.979743773	1.007399979
1.561882375	0.670228988	7.805557667	8.873749494	9.023814494	8.723684494	1.034404041
1.47354847	0.713280755	8.625505101	8.239145717	8.580835717	7.897455717	1.086531666
1.691523808	0.559213573	10.94479134	5.112151741	5.155046741	5.069256741	1.016923586
1.631148366	0.62765887	10.36004704	5.779438942	5.836090609	5.722787276	1.019798627
1.406263216	0.450835498	8.033276725	5.810425663	5.877110663	5.743740663	1.02322006
1.247831233	0.273318271	5.071691078	5.450287186	5.538992186	5.361582186	1.033089113
1.830599206	0.677482998	10.41095931	6.729509366	6.8492877	6.609731033	1.036243028
1.915460835	0.621314446	10.32732075	6.023779998	6.031119998	6.016439998	1.002439981
1.397821299	0.275273689	5.64937552	4.77927316	4.84214816	4.71639816	1.026662295
2.265768347	1.383523411	16.92033533	8.921429927	9.010454927	8.832404927	1.020158723
2.252881268	0.936823898	12.6237269	7.723457673	7.826027673	7.620887673	1.026918124
1.434520379	0.447947443	8.125296597	5.588034841	5.616649841	5.559419841	1.01029424
1.193349149	0.173623368	3.36285425	5.291799565	5.292492565	5.291106565	1.000261949
1.625981958	0.468850102	8.344859022	5.741783554	5.801673554	5.681893554	1.021081
2.686438084	1.035208106	22.68265886	5.760177176	5.952692176	5.567662176	1.069154699
1.195983149	0.208496238	4.033151281	5.17787711	5.280183777	5.075570443	1.040313367
1.846788778	0.628869395	9.745666732	6.529748619	6.842918619	6.216578619	1.10075317
1.39648462	0.58899505	7.524377083	7.990475175	8.141730175	7.839220175	1.038589298
1.528166791	0.55887207	9.475633976	5.805788876	5.870693876	5.740883876	1.022611501

1.456364883	0.481312783	8.338980751	5.814089331	5.822491831	5.805686831	1.002894576
2.232732182	1.265810012	16.74398214	7.479031417	7.626226417	7.331836417	1.040152287
1.345730251	0.392913481	6.277232105	6.197671919	6.227099419	6.168244419	1.009541613
1.358912799	0.421297702	6.409464183	6.558405384	6.615627051	6.501183718	1.017603461
1.495654905	0.508435942	6.681549275	7.625025023	7.913530023	7.336520023	1.078649005
1.19560038	0.25670708	4.449973879	5.70535169	5.713428356	5.697275023	1.002835274
1.760658646	0.832163706	10.80933087	7.375145186	7.643150186	7.107140186	1.075418521
1.345940631	0.389754459	6.909546105	6.163436935	6.299126935	6.027746935	1.045021797
1.316072174	0.404374786	6.547834398	6.185238153	6.320998153	6.049478153	1.04488321
1.362575561	0.410219436	6.62703127	6.510044182	6.620679182	6.399409182	1.034576629
1.3454011	0.335432787	6.054189576	5.515854949	5.592672449	5.439037449	1.028246726
1.39427726	0.361797362	6.245501124	5.770104538	5.950249538	5.589959538	1.06445306
1.269226733	0.301969536	5.548336796	5.601186529	5.650071529	5.552301529	1.017608914
1.7675523	0.618277904	10.5100968	6.012229319	6.035959319	5.988499319	1.007925191
1.446560618	0.562441569	7.02419917	7.71728656	8.10609656	7.32847656	1.106109366
1.618216383	0.655266148	9.009842421	7.358038079	7.378428079	7.337648079	1.005557639
1.470405028	0.701438856	7.28795324	9.488823155	9.692436489	9.285209822	1.043857562
1.428200316	0.514974214	8.414309539	6.147696489	6.232341489	6.063051489	1.027921584
1.18967315	0.22383871	3.809217019	5.934001159	5.986162826	5.881839493	1.017736515
1.490709038	0.455668521	8.073522631	5.840488536	5.854828536	5.826148536	1.004922635
1.495894053	0.491427203	8.589839868	5.958338264	6.059688264	5.856988264	1.034608231
1.517218921	0.77584373	9.415501746	8.476881819	8.577315986	8.376447652	1.023980134
1.36710022	0.365806127	5.71352083	6.363968678	6.593023678	6.134913678	1.074672607
1.507908925	0.794742565	9.341000586	8.46809408	8.61824908	8.31793908	1.036103895
1.834768786	1.050463493	13.14537579	7.954498745	8.033048745	7.875948745	1.019946803
1.245068839	0.245497145	5.081109996	4.827404512	4.890489512	4.764319512	1.026482271
1.367113925	0.439330604	6.901442815	6.368514204	6.480074204	6.256954204	1.035659523
1.270646217	0.155923597	3.61296261	4.29762117	4.33973117	4.25551117	1.019790807
2.017543532	0.757377768	15.78302967	4.622433956	4.649800623	4.595067289	1.011911324
1.901197023	0.825372326	11.63164745	7.436583361	7.532120861	7.341045861	1.026028308
1.337444327	0.371021268	6.652957986	5.789330147	5.88353848	5.695121813	1.033083869
1.258649427	0.284803862	5.620194778	5.076802935	5.137922935	5.015682935	1.024371556
1.262811553	0.275781621	5.641804201	5.166704962	5.211818295	5.121591629	1.017616919
1.354890886	0.406993122	6.396822489	6.503549332	6.586070999	6.421027666	1.02570357
1.218972155	0.20353836	4.504521893	4.39050545	4.409443783	4.371567116	1.008664322
1.556054808	0.600632921	10.50936336	5.4157455	5.4611005	5.3703905	1.016890764
1.705314869	0.861541046	12.00104626	6.985958114	7.159633114	6.812283114	1.050988779
1.660800491	0.771398934	10.53466498	7.094070262	7.094855262	7.093285262	1.000221336
1.410637541	0.487046476	6.872822703	7.092835243	7.236730243	6.948940243	1.041414948
1.225214831	0.250010739	4.56736829	5.507340797	5.520398297	5.494283297	1.004753122
1.592686141	0.499054687	9.069072539	5.495162893	5.561757893	5.428567893	1.024535016
1.989158566	0.965769107	13.84286725	7.339746037	7.409841037	7.269651037	1.019284282
2.043903276	0.860008147	11.28331645	7.373972171	7.691569671	7.056374671	1.090017187
1.512978667	0.57743199	11.36125356	4.939781322	4.940596322	4.938966322	1.000330029
1.255176191	0.280844131	5.269010075	5.488311797	5.557261797	5.419361797	1.025445801
1.355370991	0.417024915	7.163590587	5.965961627	6.077541627	5.854381627	1.038118458
1.576392143	0.60709185	9.363769462	6.710149612	6.741984612	6.678314612	1.009533843

1.430597574	0.550908816	7.204033817	7.903154692	7.971405942	7.834903442	1.017422359
1.282398725	0.315568457	5.918363601	5.244614197	5.269277531	5.219950864	1.009449642
1.18414651	0.207774861	4.068019876	5.304862806	5.521587806	5.088137806	1.085188337
1.477482395	0.460063089	6.726396546	7.062518909	7.148918909	6.976118909	1.02477022
1.387171044	0.288535798	5.207308764	5.426869597	5.503014597	5.350724597	1.028461566
1.194235658	0.166286842	3.628877888	4.530693009	4.605228009	4.456158009	1.033452584
1.880621105	0.811390321	15.2494284	6.336885348	6.356282848	6.317487848	1.00614089
3.720996934	2.152136632	31.69436589	6.755050203	7.062125203	6.447975203	1.095246954
2.681981848	1.13256236	22.32949203	5.509995249	5.553806915	5.466183582	1.016030075
1.269613725	0.239035263	4.467449072	5.604368837	5.642083837	5.566653837	1.013550331
1.613247483	0.519823763	7.620265005	6.850567832	6.922742832	6.778392832	1.021295609
1.330712747	0.403152738	6.895035901	6.290484246	6.369736746	6.211231746	1.025519093
1.484245671	0.434445234	7.267074186	6.268891018	6.299032685	6.238749351	1.009662727
1.602728052	0.601617477	9.263010304	6.511260425	6.533341675	6.489179175	1.00680556
1.718438181	0.795470191	12.0552355	6.667428358	6.908020858	6.426835858	1.074871214
1.321920763	0.239674573	6.256522234	3.713508991	3.798188991	3.628828991	1.046670703
1.389720822	0.439202944	7.032517866	6.370832669	6.445187669	6.296477669	1.023617967
1.234099375	0.260649686	4.307048797	6.165469612	6.208782112	6.122157112	1.014149425
1.549303142	0.475597917	7.792759095	5.942064138	5.974864138	5.909264138	1.011101213
1.370687307	0.342249643	6.488555568	5.585477384	5.706909884	5.464044884	1.044447841
1.36107331	0.43518755	5.861595847	7.369529591	7.386590841	7.352468341	1.004640958
1.613829838	0.826512569	10.56106224	8.020836394	8.160176394	7.881496394	1.035358768
1.226969992	0.182367471	4.023575297	5.226850999	5.500555999	4.953145999	1.110517639
1.327095682	0.474705669	6.815018082	7.180111976	7.228741976	7.131481976	1.013638119
1.267452036	0.229273724	5.002033683	4.439598248	4.465463248	4.413733248	1.011720237
1.825373175	0.641689037	13.03648857	4.850396162	4.865816995	4.834975328	1.006378867
1.48143211	0.517764853	7.188403602	7.250536643	7.262931643	7.238141643	1.003424912
2.231909159	0.930027927	11.98929482	8.15108209	8.24836709	8.05379709	1.024158791
1.636666588	0.488271107	11.18995813	5.978791413	6.424956413	5.532626413	1.161285063
2.045489906	0.599466897	12.72264036	4.473104358	4.563574358	4.382634358	1.041285671
2.426282257	1.427382549	18.76864548	7.519458035	7.787966368	7.250949702	1.074061563
1.365844821	0.445540819	8.891503867	4.976208214	5.061083214	4.891333214	1.03470424
1.877509745	0.635757533	12.04522826	5.121300895	5.174780895	5.067820895	1.021105718
1.438979551	0.600435533	8.774382257	7.230605707	7.307128207	7.154083207	1.021392678
1.411468084	0.790608754	8.410642006	9.49636926	9.748155927	9.244582594	1.054472263
2.417884779	0.910225033	19.19378195	4.67991215	4.70849965	4.65132465	1.012292197
1.283499702	0.283393622	5.129813983	5.466261737	5.517104237	5.415419237	1.01877694

MTC.SD	MTC.CV	FTA.Mean	FTA.Max	FTA.Min	FTA.MFC	FTA.SD
0.028545901	0.445192057	6.195940815	8.368313783	4.018350738	2.08252448	0.711436704
0.102926463	2.706732704	3.854052442	4.250311007	3.637454747	1.168484917	0.113154625
0.082307229	1.440676486	5.149950984	5.926187036	4.44051513	1.334571973	0.483203349
0.017953441	0.451368282	3.946090362	4.231379483	3.6838746	1.14862202	0.120932356
0.168814673	2.115200755	8.300515364	9.381436621	7.41716263	1.264828222	0.367367189
0.185177124	4.406683267	3.903181973	4.105615131	3.545749052	1.157897829	0.100693777
0.116311994	1.334897759	8.949838381	9.866706542	8.064026052	1.223545966	0.334458135
0.068077884	0.887464707	7.420927054	9.378508941	5.306724465	1.767287713	0.834530394
0.263168645	4.236165555	6.338971124	6.771904519	5.993946585	1.129790602	0.170899487
0.019516147	0.258192382	7.422236173	8.620398293	6.489136911	1.328435262	0.512977127
0.003457752	0.048548587	6.923524347	7.511403705	5.596619407	1.342132305	0.429206622
0.094950299	1.206947484	7.897952715	8.596475338	7.255220431	1.184867561	0.267815066
0.159714209	3.932508895	4.206597825	4.51817226	3.926502625	1.150686168	0.12381876
0.052785521	0.674886468	8.158843816	9.481539292	7.483158141	1.267050504	0.481603059
0.916042693	15.88094832	4.452314709	8.721648095	3.915076349	2.227708304	0.816431464
0.075950339	1.295273695	5.864465032	6.45840371	5.207286066	1.240262899	0.253280398
0.065329596	0.984511341	5.782382541	6.899934469	5.085980305	1.356657725	0.432111926
0.00612708	0.081060306	7.812544455	9.211374091	6.573379549	1.401314807	0.469756907
0.015326539	0.247891854	5.970473601	6.598193741	5.471414577	1.205939277	0.256675854
0.00072832	0.012507676	5.894188323	7.011135605	5.115460845	1.370577514	0.363540941
0.130178358	2.366063759	6.231626214	8.207669685	2.842867238	2.887109738	0.918605422
0.018264568	0.2235397	8.480960953	9.320425006	7.060270598	1.320122915	0.543192233
0.067380205	1.047604166	6.701404812	7.559446639	5.705499018	1.324940486	0.443203475
0.331590654	5.517206939	5.917223831	7.618002039	4.57746659	1.664239791	0.470974922
0.017408969	0.265252335	6.404277309	7.193040777	4.708284117	1.527741444	0.389612222
0.062175899	1.345072741	4.397116643	5.264483728	4.037738685	1.303819821	0.211829384
0.114685649	2.460656616	4.500557798	4.814847822	4.293043207	1.121546556	0.145760018
0.07586313	0.925768957	7.843771707	8.728173477	6.934838935	1.258597865	0.372120087
0.015994755	0.226902456	6.77092064	7.739553446	6.12045459	1.264538987	0.376930612
0.169200046	2.421450867	7.185620575	7.863231344	6.627486272	1.186457583	0.285800076
0.108998743	1.871510641	5.991574274	6.515819649	5.558378191	1.172251946	0.252493943
0.049172206	0.656700542	7.442328922	8.083621725	6.92693236	1.16698436	0.259931411
0.078715127	1.220567044	5.916619553	7.97796148	5.007607484	1.593168296	0.777340255
0.028297235	0.677226626	4.217790275	4.495040739	3.989757691	1.126645046	0.106510758
0.033163308	0.791824968	4.352795693	5.009358428	3.835287121	1.306123445	0.246106313
0.117648426	1.776332298	6.77920309	7.988159662	5.382055087	1.484221089	0.471176105
0.049785974	0.441655709	11.34879592	11.96358724	10.27016476	1.164887566	0.274928659
0.172095648	3.144980078	5.78950123	7.108662916	4.782229721	1.48647458	0.620885489
0.037858497	0.859946661	4.423913317	4.726988204	4.057247914	1.165072558	0.134567669
0.17296539	2.054492372	8.598898161	9.55832746	7.762469161	1.231351425	0.435997274
0.07271179	1.348327604	5.341830778	6.08306539	4.967886958	1.224477417	0.227691742
0.107932779	1.572904273	6.683961136	7.359263378	5.607059468	1.312499612	0.367018628
0.07456441	1.334315637	5.540630863	6.122828127	5.02533777	1.218391361	0.242663798

0.10793985	1.783537307	6.426194596	7.294224864	5.882799978	1.239923997	0.375704344
0.24772779	3.541136748	7.333550994	8.303803103	6.177552637	1.344189777	0.477472439
0.033728993	0.582457817	5.857987499	6.798767919	5.168987908	1.315299637	0.273652735
0.062225397	1.268872339	4.893779332	5.224440809	4.648796141	1.12382661	0.124183762
0.377201398	5.377185763	7.425670546	8.610661887	6.469776311	1.330905656	0.438375609
0.086556941	0.919997086	9.271914932	9.85337865	8.698525225	1.132764278	0.246456857
0.170445733	3.382619763	5.176810981	5.754970144	4.620527838	1.245522232	0.270094272
0.039407061	0.851396045	4.275511589	5.037103352	3.880726149	1.297979594	0.172754565
0.086967063	1.380229596	6.487750241	7.881959066	5.866878222	1.343467304	0.419396497
0.060995031	1.195101638	5.193500438	6.218240262	4.575889786	1.358913906	0.353272442
0.08674786	1.365763116	6.514811644	7.50911757	5.640394673	1.331310663	0.453139928
0.309352146	5.676327208	4.173876536	4.30974174	3.662024988	1.17687393	0.121279425
0.010408612	0.226909276	4.511830217	4.728898857	4.207310527	1.123971912	0.101649888
0.012263589	0.167093755	7.361847586	8.04173733	6.866983555	1.171072752	0.283271368
0.177236315	3.70902525	4.89538215	6.689989272	4.433148247	1.509083139	0.473346914
0.058523693	0.669224496	9.204506385	10.25386033	8.328769603	1.231137469	0.534527155
0.08704838	1.424055736	6.40248258	7.075561036	5.848886126	1.209727952	0.314606873
0.139547523	2.900414099	4.794843439	7.747734559	3.820924195	2.027712188	0.804407265
0.016383664	0.385597742	4.156862026	4.576758081	3.911815431	1.169983135	0.1511818
0.128092393	1.628061426	8.181727381	9.066423588	7.354860752	1.232711793	0.381552915
0.002892067	0.070992153	3.943359545	4.167340118	3.733051396	1.116336122	0.090450293
0.10903233	1.592232551	7.052575931	8.512192225	6.254734589	1.360919813	0.483530344
0.265440815	3.560981886	7.335582957	10.17187775	5.435093946	1.871518293	0.851918791
0.023553727	0.436767592	5.260179962	6.594359249	4.856998608	1.35770252	0.396825108
0.112154207	2.171418289	4.544606016	4.808865904	4.372659089	1.099757792	0.095834286
0.007254916	0.090774885	7.905339863	8.748822374	7.419039074	1.179239291	0.312762987
0.055635162	0.722744203	8.159902591	9.313989445	7.260102038	1.282900625	0.418123114
0.028450441	0.6811746	4.142377658	4.498139647	3.972323481	1.132369926	0.11652051
0.174110903	4.001452709	4.41479654	4.722129162	3.935271247	1.199950109	0.15040275
0.283238692	4.881950922	5.355829385	7.521323095	4.377979209	1.717989679	0.706095067
0.251178471	4.849274334	5.195448941	8.184243162	3.661547115	2.235187178	0.648647965
0.111666303	2.071421003	5.232400249	5.875646658	4.925182463	1.192980504	0.232388648
0.037292812	0.913913523	4.230536533	4.650322534	3.675884834	1.26508929	0.209911179
0.115949013	1.962613297	5.820478736	6.221638317	5.500654459	1.131072378	0.146662019
0.006519525	0.112918858	5.929728422	6.969589812	5.423445256	1.285085307	0.296861205
0.253653345	3.427839951	7.588731195	8.332309924	6.342335796	1.313760449	0.366570813
0.182426478	3.031147475	6.115914789	6.612177421	5.713881784	1.157212849	0.203726434
0.157294136	2.297209516	6.740901102	7.499559402	6.073222928	1.234856598	0.263119546
0.355193878	4.950490897	7.052971191	7.519277615	6.570112958	1.144467023	0.224261699
0.073779522	0.919992697	8.083353011	8.743451238	7.329022257	1.192990133	0.380017339
0.164168981	2.224407201	7.479333019	8.115214646	6.965379292	1.165078642	0.29561752
0.507547105	6.062185695	8.246468433	10.85615785	5.902797715	1.839154647	1.011008566
0.170002612	1.919368219	8.825400607	9.650612221	8.099579892	1.191495405	0.308914811
0.023953242	0.674159645	3.544633554	3.719717454	3.425299395	1.085953963	0.066761697
0.015528065	0.360297112	4.135666036	4.69294241	3.632543484	1.291916375	0.167764987
0.141048947	1.947167461	7.46307653	8.480829485	6.261517334	1.354436797	0.474407066
0	0	4.718582449	5.219064981	4.373583396	1.193315528	0.227829808

0.156581726	2.14895669	7.856024944	8.795337923	6.184433061	1.42217368	0.484416967
0.783941004	12.1229005	5.791325618	7.16922349	4.506005178	1.591037561	0.520188116
0.050476818	1.028859611	5.965107699	9.2094716	2.938266783	3.134321108	1.257144409
0.110923841	1.632705358	7.11821647	9.531188661	5.888648838	1.618569713	0.730549465
0.039326922	0.867698946	4.467374363	4.6874159	4.085106285	1.147440378	0.112489863
0.053616372	1.396010461	3.75449619	4.251299511	3.339988631	1.272848498	0.169311803
0.094808877	1.244337601	7.823186425	8.763134392	7.002370009	1.251452634	0.444311697
0.021351089	0.515913512	4.049383765	4.388781117	3.70600409	1.184235368	0.131483267
0.05590563	0.851330606	6.71650715	8.417760175	5.831706134	1.443447249	0.477697331
0.068412581	0.994318305	6.737839391	8.896138922	3.176307434	2.800780185	1.023775826
0.130744044	1.858649044	7.284930467	8.87228527	6.528628414	1.358981505	0.448680173
0.022524887	0.332584528	7.081348168	8.290954356	6.615738516	1.253216755	0.329705166
0.19369069	2.573640111	7.801584099	9.287830133	6.849784282	1.355930311	0.422511571
0.078903689	1.310187439	6.463623145	8.89814118	5.195102741	1.712794072	0.702727318
0.017193301	0.269859349	6.654875273	7.756135569	5.861957229	1.3231307	0.430218721
0.047369083	0.627171503	7.594588327	9.927516581	6.507318637	1.525592511	0.561860554
0.022075874	0.506293184	4.291013004	4.673094004	3.833244615	1.219096216	0.168498551
0.064902974	1.670229366	3.824819422	3.915426004	3.759611044	1.041444436	0.035975388
0.418762778	5.32024806	7.802529661	9.430513073	6.302589301	1.496291861	0.799550378
0.051809714	0.938122824	5.386341608	7.422792285	4.343962039	1.708760854	0.580296635
0.074465415	1.017623323	9.019788047	10.67820833	5.664726962	1.885034954	0.968330813
0.139582879	1.592846859	9.31605711	10.50400215	8.122023749	1.293274001	0.477860556
0.061398082	1.29815837	4.515157709	5.769784662	3.828420802	1.5070926	0.296608729
0.1397243	2.479813755	6.103281652	7.20683451	4.662548166	1.545685804	0.470984041
0.093366379	1.789345566	4.588604279	6.531147376	3.843305983	1.699356597	0.584296419
0.085871048	1.547674111	5.43636463	6.498703272	5.017191441	1.295287084	0.315426174
0.113586098	2.741471419	4.008693838	4.271434796	3.633382866	1.175608229	0.117730393
0.015605847	0.163769903	10.03202178	10.71829768	9.253410328	1.158307834	0.363107045
0.183977399	2.283070099	8.336919489	9.414778776	7.556995463	1.245836235	0.424516554
0.013654232	0.382106682	3.600749415	4.0458171	3.432692622	1.178613277	0.104821241
0.09194863	0.949213494	9.835469179	10.69998927	8.994345164	1.189635163	0.35259684
0.000471741	0.011960969	3.868757592	4.213838195	3.551864081	1.186373718	0.134976504
0.124754849	1.350049283	8.749247392	10.20132699	6.615940631	1.541931458	0.763926986
0.194079598	4.489691822	4.208884049	4.499176714	3.75858658	1.19703953	0.150021424
0.014870456	0.280385337	5.130990853	6.935576258	4.692267792	1.478086198	0.393322913
0.051244028	0.715241461	6.959726497	9.993225532	4.60224283	2.171381629	0.8890779
0.032597623	0.797161561	4.11930322	4.543153122	3.757217906	1.2091801	0.146910652
0.132596664	2.611459421	5.113445634	6.213625304	4.546173917	1.366781258	0.270056387
0.016563976	0.407906985	4.023250974	4.424223473	3.687149761	1.199903383	0.140942787
0.136719096	2.689428544	4.858913036	5.526473224	4.434266772	1.246310497	0.271511303
0.104103796	2.527407364	4.233207872	4.545978573	3.824527582	1.188637936	0.146172815
0.2144867	2.738310053	8.038725322	9.05719683	7.074324613	1.280291381	0.449752885
0.05804286	0.799149322	7.049065091	9.126303947	5.351204091	1.705467366	0.882715413
0	0	4.421569832	4.991638176	4.003867317	1.246704194	0.197827015
0.122230478	3.002821952	4.017612045	4.385865272	3.695024074	1.186965277	0.13461339
0.37540299	5.501947079	6.645566357	7.26925382	5.814500369	1.250194059	0.250744873
0.282079037	4.202637866	6.02278915	7.155318441	4.679383307	1.529115691	0.469366852

0.188931861	3.215911939	4.485907055	4.789554702	4.118272599	1.163000891	0.136146814
0.423674342	6.018451829	7.00557565	7.47911984	6.221353436	1.202169257	0.275363524
0.085114443	1.255472603	6.359469034	8.42991066	5.214908525	1.616502115	0.782264839
0.076788261	1.274125856	5.968233672	8.490987158	3.510316639	2.418866453	0.897644904
0.370477991	6.11048133	4.447697173	4.712817626	4.117965522	1.14445291	0.109467732
0.124549788	2.514356843	5.101647982	7.26455931	4.099897568	1.771888002	0.54227115
0.197207367	3.303761672	7.020215153	8.375767866	6.152705184	1.361314676	0.489020878
0.010072736	0.148620035	6.612872892	7.112905785	5.977078872	1.190030437	0.209159829
0.091499617	0.932103692	9.37210889	10.21809819	7.884766287	1.295929114	0.443013981
0.388862768	3.825752326	10.29566289	11.22098378	9.355220161	1.199435565	0.348615798
0.030752074	0.414640229	8.312272868	11.69680684	6.766905767	1.728531067	1.183365703
0.367069737	4.660968125	8.564753072	9.702015219	7.428629534	1.306030295	0.571423629
0.202805296	2.126929658	9.746448523	10.61187622	8.925645231	1.188919786	0.364072195
0.155542279	2.29138759	6.986757657	7.92816828	6.029539958	1.314887759	0.410466106
0.177020647	1.947291089	9.105712765	9.855386407	8.001442957	1.231701139	0.344145045
0.177618152	2.424160392	7.70722181	8.180829749	7.133144664	1.146875626	0.243908541
0.063187062	1.61848741	4.006522884	4.278725802	3.812692041	1.122232207	0.100147963
0.169359145	2.988504722	5.485302375	6.494166479	4.797156657	1.353753263	0.384878252
0	0	4.254141839	4.578848329	4.033102181	1.135316717	0.118151955
0.07582306	1.353309584	5.964512789	8.542226516	4.361585059	1.958514256	0.863003507
0.124514433	2.641539542	4.734796908	5.629756308	4.408531954	1.277013837	0.237426067
0.367242978	6.386146977	5.218941387	6.543314058	4.048191134	1.616355019	0.616225466
0.056045283	0.939845756	5.274907856	5.48290845	4.824002703	1.136589009	0.158676007
0.045119474	0.699497325	6.747528633	7.346721076	6.108145374	1.202774431	0.283151485
0.202958031	3.624719467	5.524701066	6.166708463	5.051011904	1.220885751	0.248458297
0.015245222	0.365658526	4.022438938	4.31634139	3.862331771	1.117548063	0.109020345
0.437762737	9.439311587	4.756054822	5.215554118	4.328110332	1.205041858	0.193534591
0.196483761	2.071885302	9.739934	10.64087715	9.026169303	1.17889182	0.318979694
0.226585297	2.594197136	8.810078904	9.373279397	7.92864708	1.182204139	0.364443021
0.340514342	6.1037072	5.357337678	6.952638846	4.843711898	1.435394795	0.458164514
0.128399985	1.942203747	6.596642107	7.214108912	5.704638174	1.264604115	0.282529542
0.291115862	4.380275126	4.65362368	5.669722167	4.192662673	1.352296287	0.365178006
0.280930494	3.010277195	9.599712702	11.56771441	7.808002704	1.481520287	0.652282815
0.155994827	3.228431395	4.858530218	5.986689427	4.262401403	1.404534407	0.33786687
0.074642192	1.916199572	3.794373745	3.922253942	3.622984521	1.082603008	0.074977981
0.301114352	4.049084941	7.067334273	10.59801954	5.066642986	2.09172416	1.201537327
0.340910321	4.143787786	6.723944596	11.9652406	4.501581629	2.658008138	1.505513694
0.621629356	7.760676777	7.446297786	9.745593647	5.482610459	1.777546248	0.904214677
0.039018152	1.126022955	3.514209657	3.777409375	3.111799516	1.213898696	0.117249193
0.240446947	2.607621024	9.309532406	10.43602447	8.103498754	1.287841806	0.451949388
0.245762033	3.161239231	8.007602174	9.221803434	7.322684819	1.259347311	0.394283518
0.039279782	0.665622703	6.329751077	7.172315963	5.066975415	1.41550242	0.37753353
0.019544431	0.318552364	5.671463572	6.949897026	4.945269916	1.405362527	0.464856913
0.134608382	1.784049461	7.90442321	9.678120009	4.616891452	2.096241618	0.961695249
0.155563492	3.339872316	4.662532677	4.964749711	4.427715241	1.121289297	0.138845886
0.026207734	0.447088835	5.15819035	5.711716814	4.931782645	1.158144473	0.191993908
0.031644796	0.670092381	5.153379208	7.616436261	3.160283128	2.410048705	0.921696648

0.147353982	2.999042674	5.050665467	7.735780095	4.553640089	1.698812366	0.681318534
0.016097286	0.345186143	4.573297777	4.883772043	4.437640376	1.100533533	0.104549018
0.090212683	1.887789158	4.957565507	5.282219699	4.7176361	1.119675106	0.119774664
0.189239452	3.416766847	5.399205734	7.687094127	4.248561188	1.809340571	0.585475034
0.013385531	0.211008808	6.414436507	7.05696884	5.829155078	1.21063323	0.258395212
0.018094863	0.205250652	8.765266656	9.347509599	7.951185977	1.175611994	0.320446519
0.44061002	7.725468005	5.731707763	6.855362624	4.283512398	1.600406859	0.57654254
0.019286337	0.564901415	3.245275781	4.60600473	3.027595889	1.521340661	0.278853572
0.154608898	1.866529588	8.254366744	10.02489264	7.659407479	1.308833962	0.423816704
0.036295791	0.371917031	9.926793432	10.75566814	9.270618735	1.160188812	0.361340806
0.037133713	0.643269577	6.248475562	6.813876094	5.815810555	1.171612457	0.248269114
0.131642069	1.573646079	8.345343789	9.251545129	7.382544119	1.253164895	0.374342528
0.207288353	5.521049501	3.705052235	4.052197749	3.339751313	1.2133232	0.133162574
0.169839978	2.2130063	7.124412973	8.194040081	4.819144678	1.70031004	0.659214756
0.109672262	1.259622536	8.863093524	9.244742781	8.483890392	1.089682015	0.219601915
0.129648028	2.069137363	6.207064482	7.851062414	5.256071568	1.493712997	0.585477601
0.208469221	2.904111531	7.472262095	7.88357912	6.696667796	1.177239093	0.236467858
0.181563808	2.688492676	6.508977979	8.258528694	4.070824263	2.028711671	0.878429772
0.112585542	1.48103006	7.56862838	8.59196222	7.052082069	1.218358229	0.308430941
0.030961849	0.440201188	7.013707476	7.534946709	6.655995401	1.132054074	0.191796203
0.460071956	7.043638839	6.64668284	7.583070786	5.78979022	1.309731527	0.414583387
0.035673537	0.646171654	6.110586156	6.519205546	5.656421747	1.152531731	0.21620694
0.340600962	4.838215093	7.092991653	9.992935672	5.542065413	1.803106771	0.729250661
0.299311229	3.74441963	8.733207467	9.701680678	7.922470708	1.224577665	0.421104875
0.272144187	5.138777922	4.820977049	6.850525256	4.578662724	1.496184731	0.388795091
0.255708668	3.060615963	8.489984118	9.407948327	7.556130664	1.24507486	0.404207293
0.00705339	0.109609882	6.293866933	6.818707221	5.997529672	1.136919297	0.160354859
0.141446105	2.275125857	6.529010181	9.017222042	4.873701538	1.85017937	0.833536035
0.003959798	0.080196727	4.926734496	5.218452083	4.678296987	1.11545977	0.100240685
0.443744861	7.499510392	5.647580807	6.36947754	5.030662732	1.266130901	0.233875057
0.090629876	1.87276692	4.76981775	5.05543303	4.44713411	1.136784479	0.121679651
0.028247148	0.518767245	5.426496099	6.022070057	5.052994539	1.191782419	0.204094969
0.123195679	1.885514493	6.781841168	7.668933389	5.607200087	1.367693906	0.417631058
0.124026529	2.931992901	4.11922428	4.426699099	3.777920549	1.171729009	0.117652411
0.025724545	0.569504179	4.31212654	4.768770072	4.096321063	1.164159254	0.135365497
0.105613469	2.823999711	3.667434767	3.955970052	3.453161405	1.145608209	0.092698497
0.080440467	1.813496529	4.270886775	5.943529484	3.698059045	1.60720243	0.435902503
0.216586807	2.573226362	8.754302599	9.46071384	7.158745466	1.321560305	0.420052284
0.068928769	1.38097072	5.485379806	8.248270925	4.309671058	1.913898025	0.926894657
0.014983593	0.298766279	4.783019462	5.156604837	4.361110239	1.182406441	0.148020352
0.002128391	0.047214355	4.19670954	4.515172027	3.895953415	1.158938916	0.134729467
0.041563737	0.606399753	7.096509175	7.838297957	6.011890113	1.303799273	0.388632182
0.125971073	1.700768677	7.516429639	8.468302779	7.008215161	1.208339439	0.34477983
0.105670037	1.760507245	5.279850925	5.908412354	4.262268705	1.386213016	0.373000605
0.049525759	1.157745342	4.399380083	5.783973719	4.006553086	1.443628375	0.330711141
0.172113326	2.786450245	6.378620567	7.099888833	5.540925798	1.281354252	0.352645616
0.430606817	5.501872893	8.960359015	10.31838228	6.874779323	1.500903781	0.640235671

0.011858181	0.328946341	3.687096671	7.657805064	3.389220145	2.259459326	0.684094161
0.124514433	3.12221462	3.899116563	4.237991464	3.384764217	1.252078784	0.174630055
0.571625122	8.61846797	6.787054579	7.36604056	6.210618624	1.18603975	0.221670832
0.440082047	6.425042911	7.233304129	8.584501918	6.044012332	1.420331635	0.462195003
0.066673098	1.200150206	6.427668937	9.263176354	3.994671288	2.318883254	1.411718954
0.274795837	2.888792675	9.542673436	10.27757407	8.373734696	1.227358453	0.385868789
0.0034277	0.058294682	6.056047899	6.977935559	5.32739161	1.309822155	0.330453661
0.121523371	1.351076049	9.277849749	10.38697904	8.448735401	1.229412278	0.492262939
0.268446018	3.3691282	8.100541701	8.626794658	7.356254743	1.172715595	0.267998342
0.020113652	0.451638984	4.410350665	5.315025438	3.836886551	1.385244356	0.271723681
0.171084486	3.854482749	4.575147264	4.876501427	4.344835423	1.122367352	0.1048335
0.066927657	0.643718256	10.51736332	11.19258514	9.649858822	1.159870351	0.319829673
0.186704475	3.419972168	5.30289135	6.017129459	4.944111108	1.217029579	0.305443941
0.085673058	1.307229322	6.574004968	8.078849922	5.763561507	1.401711409	0.395713982
0.075338692	1.267066099	4.968873848	6.289111347	4.304468355	1.461065764	0.34330124
0.252215561	6.103536112	3.850456479	4.079769211	3.680908708	1.108359249	0.101190497
0.007087567	0.104872905	6.718457826	7.345600417	5.859847919	1.253547962	0.282228914
0.04995238	0.687506778	7.622678006	8.8329894	6.862040514	1.287224898	0.412652595
0.083056763	0.836238906	9.852105796	10.55531556	9.041473279	1.167433142	0.32121162
0.080732149	0.890495367	9.165614727	10.08965974	8.440181992	1.195431538	0.385378801
0.342133616	4.242604661	8.187689191	8.723402317	7.605838489	1.146934993	0.268128329
0.102191072	1.302129546	8.002778301	8.791409247	7.078155675	1.242048021	0.38564345
0.182716392	2.078504398	9.009570083	10.1763917	8.152615799	1.248236388	0.436062201
0.023910816	0.322089238	7.417540096	7.956791098	6.904781318	1.152359609	0.210031997
0.024837126	0.292953989	8.602056766	9.503345334	7.793629537	1.219373501	0.337621891
0.080260155	0.812942529	9.859768881	10.35058383	9.003865096	1.149571181	0.322254648
0.093536085	0.948864222	9.87536486	10.70963292	8.848638974	1.210314145	0.394129453
0.271734065	3.256482531	8.352711134	9.078873989	6.853693042	1.324668895	0.490410322
0.020421244	0.45026343	4.424871549	4.809439899	4.138295219	1.162179024	0.141761906
0.021580899	0.239461134	8.400490082	9.365490877	7.577530957	1.235955476	0.433814144
0.269460717	2.950386387	8.906678699	9.514002615	7.857414357	1.21083122	0.279352522
0.279526382	4.043502469	7.06617585	7.785410841	6.440691494	1.208784934	0.287380951
0.141817336	1.495556741	9.253192958	10.03100552	8.491564149	1.181290672	0.404821839
0.14207543	1.900162256	7.358111005	8.566094861	6.774780058	1.264409293	0.46253478
0.136584746	1.420653931	9.251193631	10.12912353	8.258953867	1.226441472	0.372456474
0.017055416	0.210878888	8.180134832	8.958891994	7.570477348	1.18339856	0.259200468
0.152317872	2.903811351	4.82040654	5.268846547	4.51227211	1.167670393	0.174333451
0.252272719	3.797227149	6.605973543	7.399889318	6.009608339	1.231343026	0.296991551
0.003581496	0.073575938	4.363527477	4.962448573	4.11291159	1.20655367	0.183243138
0.169231866	2.128886234	8.480467355	9.57955534	7.203028462	1.329934401	0.432096373
0.00881055	0.175940811	5.366389633	7.497022643	4.117324372	1.820848193	0.801997312
0.159495006	2.519200952	6.493650563	7.043913966	5.782150071	1.218217078	0.303883888
0.023589082	0.528366286	4.400653193	4.859718471	4.025970704	1.207092358	0.167948522
0.165363992	1.614308668	10.14670327	10.55130622	9.589950168	1.100246199	0.22338962
0.141732483	2.217525391	6.567847751	7.264256363	5.596713525	1.297950365	0.326738224
0.105245773	1.370964174	7.609484374	8.60045766	6.751906983	1.273782012	0.39778499
0.120441498	2.430181274	4.862178271	5.294768943	4.578439545	1.156457105	0.223245739

0.441503332	7.977150443	5.228181314	8.089007684	3.979622903	2.032606576	0.891742507
0.047372619	1.232407049	3.899608627	4.091114135	3.703282927	1.104726324	0.083067065
0.206998439	3.584702667	5.811661643	6.552939417	5.036011706	1.301216081	0.324504162
0.023504229	0.427268149	5.775821939	7.280223146	4.73922574	1.536162982	0.52880408
0.464141356	7.105947239	6.658789151	7.692887061	5.683558807	1.353533468	0.405774156
0.072234493	1.278901287	5.477459665	6.523895168	4.520148585	1.443292194	0.437480511
0.136853446	2.182870168	6.346723596	7.011843816	5.868418188	1.194843924	0.269078269
0.57452426	12.18386746	4.250206296	4.649078478	3.893640887	1.194018301	0.241264186
0.13233857	2.278223964	6.00389104	6.839848737	5.307452947	1.288725271	0.351294786
0.037345845	0.424235045	8.763376766	11.23313858	7.728686541	1.453434361	0.711479127
0.05704584	0.8693391	6.595147579	7.178169692	6.131761968	1.170653677	0.196921468
0.044929565	0.864377073	5.225137057	7.722631998	4.089438191	1.888433481	0.75648248
0.013859293	0.233343663	5.905415738	6.741512531	5.092653221	1.323772155	0.320989769
0.258829366	3.799531638	6.722435819	7.405022795	5.955438002	1.243405236	0.333632101
0.375201465	6.393663366	6.088636334	7.269674925	5.202264768	1.397405793	0.481374929
0.185926657	2.775304984	6.39915078	7.192446653	5.979967092	1.202756895	0.257063185
0.079047467	1.750626417	4.350672689	7.77101775	3.828380833	2.029844493	0.671656895
0.202953788	4.097628153	4.275638388	5.011825114	3.773977415	1.327995524	0.269008009
0.035058354	0.831415258	4.144974796	4.531309726	3.786843814	1.196592716	0.130644685
0.020569736	0.283047649	7.240147219	8.437529851	5.704444495	1.479115076	0.450179742
0.003627458	0.067360356	5.759932249	7.339556504	5.114961108	1.434919318	0.39601118
0.100112178	2.243748513	4.340258065	4.965372687	4.15305705	1.195594625	0.207345551
0.09999197	1.722124596	6.144342372	8.568138521	3.450908751	2.48286441	1.02055157
0.103329514	2.384761488	4.402705598	5.966394699	4.157467614	1.435103109	0.340103849
0.088664119	1.526194368	5.620187394	7.484087137	4.855165801	1.54146891	0.540575752
0.131585501	2.515683433	5.220109529	6.901761932	4.361587447	1.58239678	0.611436612
0.636664804	7.90640292	7.789221712	9.515478002	6.495708935	1.464886758	0.668102436
0.13817715	2.834499771	4.733150061	5.509242053	4.310682352	1.278044078	0.231048824
0.315843386	6.856588878	4.389183932	4.669174523	3.691306899	1.264910952	0.194538742
0.048677231	0.834961092	5.713909474	6.93251062	4.250225178	1.631092549	0.562307737
0.490717964	8.284445215	5.993617433	7.373160847	5.053447608	1.459035775	0.553460701
0.30030825	5.205272126	5.652284179	8.746803086	3.638142131	2.404194991	0.944791863
0.011532912	0.265011169	4.321401362	4.819005013	3.798334008	1.268715443	0.182315436
0.001697056	0.034274955	4.765162437	5.479364839	4.321856595	1.26782662	0.315782056
0.133678537	2.048974581	6.80988126	7.657210495	5.902592363	1.297262292	0.351181813
0.173541682	3.952358822	4.33863284	4.627531148	4.206389848	1.100119417	0.127343278
0.148336861	2.157923684	6.868317876	7.544452393	6.352773767	1.187583986	0.269370958
0.000735391	0.009815364	8.119864549	9.027825158	7.107863368	1.270117993	0.401850757
0.034931075	0.879161205	3.924908588	4.434998641	3.677807526	1.205881115	0.144638689
0.044784608	0.863111128	5.362231554	5.682990197	5.001087271	1.136350935	0.164672941
0.062030942	0.922059316	7.24701443	9.737426081	5.10002857	1.909288536	0.985218764
0	0	4.825254238	6.504432523	4.48347213	1.45075788	0.375574255
0.322910918	6.54346913	4.078419025	4.341249971	3.805379351	1.140819238	0.099764435
0.147962094	3.317207358	4.406855287	5.436420727	4.231499181	1.284750509	0.210772466
0.095224302	1.511489186	7.041148398	7.751647912	5.955812655	1.301526485	0.40725033
0.129276797	1.933850564	6.898468615	7.901267875	6.149096491	1.284947778	0.383896534
0.133010321	1.99960935	6.562120386	7.009802043	5.995125379	1.169250283	0.225803051

0.122810306	1.959256449	6.17978913	6.738455462	5.430069491	1.240951976	0.306979508
0.128846641	2.083109189	6.138671776	7.108489911	5.358907782	1.326481104	0.349115315
0.414760554	6.135119457	7.174173006	8.140037529	6.023095275	1.351470823	0.418505117
0.076518676	1.46133605	5.077371107	5.798005583	4.587109905	1.263977908	0.301261209
0.08502959	1.264932431	6.799540797	7.833221418	6.1179073	1.280375958	0.387587972
0.067839825	1.047412988	6.250416612	6.941341941	5.488643589	1.264673471	0.28067672
0.05218448	0.989531186	5.201914302	8.71783065	3.889261563	2.241513076	0.858420754
0.103562859	2.626453107	3.818422554	4.116592771	3.616997899	1.138124181	0.167656121
0.014007785	0.405408847	3.344591102	3.739733772	3.041743555	1.229470435	0.128073351
0.358620989	5.021271863	8.251727022	9.62067867	7.057492703	1.363186485	0.636126283
0.234561461	2.718370964	8.175477239	8.67879548	7.514370346	1.154959774	0.320918049
0.090417744	1.745180857	4.825707407	5.225506758	4.600691765	1.135808923	0.131266233
0.841054019	11.4636399	6.981975621	8.465398563	5.363180676	1.578428749	0.631783594
0.004179001	0.086420134	4.948276012	6.502310147	3.188856423	2.039072722	0.545119965
0.192644171	3.007480513	6.261596145	7.094781064	5.530835871	1.282768325	0.320769836
0.429018183	6.52993748	6.619669225	7.531125682	5.858434577	1.285518441	0.384001475
0.060736937	0.910090145	7.371320151	8.96357714	6.077645341	1.474843733	0.627951215
0.045662599	0.519534811	8.904641585	9.273372988	8.517806876	1.088704302	0.19650919
0.169118729	2.124505413	7.561688118	8.163665654	6.528814827	1.250405452	0.355274974
0.061108168	1.136863448	5.094566084	6.078461651	4.390822292	1.384356106	0.374913922
0.081465772	2.02570751	3.999465552	4.218694938	3.534005809	1.193743068	0.131094238
0.072772601	1.798750561	3.850685066	4.077262104	3.693786437	1.103816415	0.111753199
0	0	4.729469181	7.180553181	3.270845076	2.19532048	0.804668356
0.080270762	1.316120211	5.929776752	6.543765101	5.699458671	1.148138004	0.193965147
0.521915515	6.468232781	8.523833898	11.16285025	7.149739384	1.561294706	0.932443304
0.331187603	4.328996687	7.822379231	10.40950883	6.679520199	1.558421641	0.822383063
0.491212939	6.269051592	7.584611513	10.46397429	4.947321962	2.115078495	1.226870049
0.093974491	1.803638016	5.026266752	5.5417851	4.604841683	1.203469192	0.191742447
0.018434274	0.295295572	6.241835018	8.314942573	4.537832547	1.83235994	0.754854434
0.115067487	2.455560765	4.5879973	4.736629775	4.327125435	1.094636577	0.090390751
0	0	4.086630012	4.370936436	3.824555377	1.142861328	0.109991855
0.05178143	0.970302004	5.292504948	5.799570915	5.034925625	1.151868239	0.154064946
0.247805571	4.540890708	5.322739365	6.158314059	4.246141063	1.450331953	0.422063715
0.188953074	4.249582022	4.51169345	6.064375457	4.201513343	1.443378841	0.292284069
0.525967237	8.002697471	6.07205034	8.478102865	4.519516097	1.875887303	0.919238387
0.063943666	1.511634925	4.177607994	4.961638073	3.701908217	1.340292029	0.175417446
0.062430458	1.501853577	4.225538638	4.696402777	4.025044205	1.166795329	0.122219459
0.14747419	3.42167252	4.301811515	4.598313003	4.016210993	1.144938105	0.122837197
0.177959921	3.369859264	5.154831405	5.448416448	4.651611006	1.171296663	0.163938024
0.030423269	0.534953852	7.17398368	8.952617069	5.532149252	1.618289142	0.890145936
0.004202571	0.097515682	4.223069185	4.572735974	3.815004494	1.198618765	0.145971758
0.105719535	2.084061562	4.87312941	5.094152445	4.385923922	1.161477612	0.122746751
0.08184761	1.917074608	4.206592857	4.395481772	3.875560797	1.13415374	0.106961635
0.388951156	7.797681711	4.773537478	5.52261249	4.412836839	1.251488032	0.250355729
0.032885179	0.552926651	5.755004983	6.504282251	4.901412616	1.327021975	0.330903675
0.017493822	0.18045699	10.10908505	10.70290285	9.449657231	1.132623395	0.240188955
0.04777567	1.079121311	4.251645392	4.700091803	3.932202501	1.195282237	0.144473446

0.204594276	3.531001825	6.553579504	9.063800051	3.938430261	2.301373758	1.085826805
0.054906842	1.229267015	4.408482064	5.503453986	4.048045228	1.35953372	0.258236811
0.034022443	0.607252142	7.21929099	9.769948455	3.819405612	2.557976148	1.268768065
0.2021689	4.793087407	3.783202181	4.041929893	3.55091454	1.138278561	0.105163273
0.490923025	8.946043443	4.745267099	5.362460282	4.307774385	1.244833133	0.18234208
0.259734463	3.672296732	6.472628742	8.258462568	3.263104813	2.530860344	0.85965317
0.12707416	2.262655774	6.024429689	9.779868458	4.168068689	2.346378907	1.215464862
0.184049289	3.794055301	4.550631478	4.967491067	4.261731217	1.165604027	0.135265892
0.018915106	0.402147432	4.455319336	4.761304971	3.830410342	1.24302739	0.155834648
0.066319545	1.519647465	4.369522303	4.862411833	3.882267498	1.252466976	0.181663281
0.199241478	3.18123065	6.587150923	8.398818776	4.469426658	1.879171406	0.692233816
0.155535208	3.186523943	4.704082783	4.971040741	4.443649772	1.118684189	0.127133607
0.062554201	0.950589045	6.385274674	7.26171024	5.693217119	1.275502073	0.389153344
0.204254865	4.387900387	4.544722989	6.460410926	3.658077701	1.766067168	0.642637093
0.034987644	0.698466245	4.912650892	5.240160363	4.619850648	1.134270513	0.129261394
0.026898342	0.40660323	6.742277658	7.584991441	6.147832016	1.233766866	0.357129843
0.147028713	2.558246646	5.760351215	6.22694522	5.301499433	1.174563027	0.208244904
0.206386792	5.758845637	3.4975903	3.841134731	3.1072366	1.236189974	0.12214564
0.129216693	2.46414808	4.451259662	4.892903098	3.998386056	1.223719528	0.158279911
0.064123095	0.915707198	7.10130587	8.422441761	5.879705937	1.432459693	0.521814127
0.602462049	8.254523807	6.96633349	8.551889035	5.914686795	1.445873523	0.404149797
0.088936748	1.013339394	8.517805141	9.191035696	8.220066848	1.11812177	0.212930457
0.478622903	10.08574964	4.36534605	4.794484425	4.07515404	1.176516121	0.13672435
0.345883639	3.997361285	9.095378277	11.26329111	7.84865496	1.435060041	0.619968169
0.027037996	0.36322225	7.716632699	8.911785496	6.875694039	1.296128863	0.385238335
0.033778491	0.761041616	4.271760485	4.501804148	4.089216923	1.10089639	0.104544424
0.020145472	0.436226402	4.467042857	4.81769528	4.098757437	1.175403852	0.135976753
0.123041294	2.071604035	5.841985735	6.112916276	5.6126192	1.089137898	0.11340553
0.002948635	0.034223039	8.466848476	9.356001936	7.302319518	1.281236998	0.400107502
0.398999143	7.477947163	5.038417005	5.802059241	4.744977576	1.222779064	0.251580427
0.22945615	2.717598429	8.721291725	9.435650264	8.200360324	1.150638495	0.229715668
0.067988317	0.92916418	8.199214178	10.31749647	2.44120434	4.226396089	1.419203103
0.185403398	2.820383018	6.852842587	7.755997349	5.920872927	1.309941531	0.347631115
0.067026652	0.82607003	7.89042041	8.418505151	7.382727617	1.140297406	0.209702199
0.271790633	2.840328427	9.682415794	10.48862192	9.091820039	1.153632812	0.263987374
0.165451202	4.050901373	4.093715832	4.397150028	3.795837328	1.158413717	0.108061049
0.052092557	0.776568867	6.925663758	7.417489461	6.079638263	1.220054408	0.313421289
0.364559508	4.740107668	7.973243081	8.570884109	7.415112586	1.155867023	0.261866301
0.273013928	3.9529419	7.192429693	7.442159483	6.644344585	1.120074281	0.151001553
0.115686205	1.450532882	8.159697521	8.87143639	7.642261846	1.160839103	0.299961797
0.14509124	2.086327347	7.186737411	7.653672177	6.74775883	1.13425396	0.229038717
0.027359376	0.485422047	5.681070244	7.003207988	4.361935859	1.605527503	0.441355834
0.251920933	3.855991404	6.470398577	7.285473137	5.818055393	1.252217905	0.281017319
0.095668012	1.680614704	5.420732014	6.598225138	4.873612709	1.353867353	0.393795262
0.003655742	0.056005623	6.85470406	7.873508023	6.236666257	1.262454603	0.337754469
0.024508321	0.393023288	6.406170394	7.435085913	5.069616586	1.466597283	0.384597702
0.10995864	1.772824165	6.517318574	7.601914245	5.989174965	1.2692757	0.298783352

0.025328565	0.52426532	4.966787605	5.358979004	4.721932423	1.134912261	0.135342566
0.030497515	0.627246879	5.121567636	8.105501487	4.013265385	2.019677422	0.739382373
0.037448375	0.854368306	4.230420192	4.624364898	4.069667851	1.136300324	0.107694124
0.095876608	1.265997284	8.104656121	9.028428711	6.54277053	1.379909118	0.546030754
0.146820117	1.676613354	9.881427866	11.73938885	8.023483117	1.463128753	0.969168089
0.05440951	0.740811759	8.321260495	9.305150237	7.039324148	1.321881198	0.503293772
0.010613673	0.227910643	4.56677673	4.974345648	4.190102981	1.187165487	0.12309988
0.00516188	0.099799192	5.107349632	5.345038145	4.908682744	1.088894602	0.127630702
0.147392873	2.89457044	5.201819181	6.266487527	4.829710533	1.297487186	0.352420635
0.126600398	2.401435273	5.252577141	6.002683315	4.864491522	1.233979603	0.25902644
0.174368997	2.342392985	7.37436466	8.056510802	6.767231756	1.190517939	0.326333326
0.214083649	5.343222698	4.0405185	4.30604918	3.725021068	1.155979819	0.117759668
0.004497199	0.080465518	5.633793307	6.072816896	5.21851647	1.163705611	0.181859832
0.10353811	1.679281351	6.052724847	7.150323706	5.213770009	1.371430595	0.422871883
0.130114719	2.750192054	4.764419273	7.723174516	4.286641045	1.801684451	0.607882418
0.83715786	11.7614719	8.061372719	9.024141411	7.252105318	1.244347816	0.378107552
0.244404388	2.977716929	7.42431629	8.484435751	6.360938092	1.33383404	0.451602536
0.215561502	3.396993447	6.002690583	6.728348549	4.018695597	1.674261806	0.460098478
0.054171451	1.24771148	4.100886075	4.745456666	3.668691163	1.293501266	0.156578607
0.11376641	2.125911368	5.305283104	5.845795255	4.980941016	1.1736327	0.21152834
0.031529891	0.780996058	4.100779249	4.417905363	3.914418145	1.12862377	0.099982781
0.078382787	1.515245005	4.566083521	4.977006938	4.267324887	1.166306075	0.115295421
0.276719168	4.243437689	6.593279843	7.631398348	5.840239843	1.306692628	0.380636705
0.185389256	3.684688702	4.888362482	5.513578536	4.145121481	1.330136779	0.312733058
0.33772127	4.956441831	7.05945085	7.55812629	6.61226581	1.143046348	0.219289767
0.255602602	3.419139551	7.893493933	10.35480227	6.613325871	1.565748078	0.840533305
0.079818213	1.085494706	7.052984441	7.704749532	6.55568042	1.17527839	0.253890142
0.099108086	1.943616444	4.98829994	5.531887916	4.60208159	1.202040383	0.22853624
0.254105893	2.981696635	8.915802809	9.707214615	7.77289571	1.24885435	0.496482819
0.37809471	5.57703843	7.021230803	7.671688353	6.428584731	1.193371274	0.331924074
0.181867864	2.254611957	8.038773395	8.640267836	7.346419988	1.176119504	0.243037175
0.162288077	2.317101493	6.970664895	7.803782056	6.3700421	1.225075429	0.261269476
0.309052804	5.124120938	6.025756563	7.181693836	5.508081366	1.303846723	0.334176315
0.003701704	0.044186503	8.348167432	9.265173729	7.692785633	1.204397753	0.317500799
0.006307392	0.121084682	5.033881826	5.416490781	4.713277788	1.149198291	0.214414658
0.066397327	1.520671974	4.274300367	4.548987417	3.841134733	1.18428218	0.11184431
0.156871639	2.900553803	5.315159277	6.920140103	4.817012446	1.436604157	0.347496532
0.055076547	1.092152157	5.178467984	6.32789991	4.421551635	1.43114916	0.387333454
0.12138195	1.999959804	6.156557339	8.675372676	4.714475137	1.840156629	0.899702469
0.064997255	1.067870261	6.093389092	8.190939044	4.534078789	1.806527726	0.684749604
0.085432641	1.62142691	5.052907377	5.460779799	4.654095976	1.173327715	0.163086904
0	0	4.832194665	5.254802558	4.26746401	1.231364235	0.250720314
0.260427428	5.375228422	5.009339532	5.725494996	4.596616545	1.245588998	0.225290199
0.189667252	3.829399596	5.108005394	5.613713468	4.651329373	1.20690517	0.232037406
0.003146625	0.063211029	4.842339606	5.131488129	4.573240515	1.122068282	0.128070537
0.139745513	3.454378929	4.082694296	4.433220448	3.874764866	1.144126315	0.11716083
0.017543319	0.354180929	4.920709929	5.311604787	4.617493134	1.150322184	0.150889358

0.083869935	1.40018938	6.172039487	7.905661716	4.158133099	1.901252684	0.621953814
0.051802643	0.679809052	7.438194007	8.201224561	7.04186792	1.164637658	0.256015306
0.125263966	1.547697175	7.950745091	9.814787406	6.424663403	1.527673403	0.653570161
0.166672139	3.384900155	4.84078448	5.241972477	4.59966483	1.139642272	0.173178438
0.055504347	1.15903508	4.645843847	8.586443876	4.223439561	2.033045283	0.707692393
0.057722894	1.200750874	4.80519996	5.799525848	4.406691891	1.316072462	0.289266566
0.358694057	5.862158229	7.305352335	12.8553954	4.994082107	2.574125761	1.6591013
0.001383572	0.035313805	3.88416943	4.165147695	3.727312815	1.117466631	0.112017676
0.007905454	0.180801306	4.350014656	5.211941441	4.034459337	1.291856233	0.206106101
0.123149717	2.372643734	5.150382898	6.13422556	4.702172037	1.304551495	0.296244465
0.010125769	0.210376975	4.785405046	5.101799173	4.199207474	1.214943344	0.166510882
0.080419254	1.703647618	4.670308257	5.170164142	4.210786744	1.22783804	0.181251986
0.262767951	5.061327713	4.960433132	5.53371121	4.685235634	1.181095604	0.166933932
0.027049191	0.615390923	4.372622472	4.710697332	3.920924147	1.201425265	0.185639009
0.180588001	2.674125154	7.09938629	8.41517515	6.401087115	1.314647809	0.41803517
0.10054587	1.724917659	6.433351362	7.632021508	5.569733912	1.370266808	0.537340579
0.31315638	4.060480621	7.861271356	8.848986418	7.109110866	1.244738841	0.391418662
0.05277845	1.105818603	4.790882931	6.15838992	4.31800395	1.426212202	0.355778786
0.030822785	0.575349393	5.325858495	7.722593329	4.884149797	1.58115407	0.4649901
0.023322739	0.360171481	7.415664341	11.49201976	5.030351425	2.284536166	1.332462973
0.136952441	2.251282149	5.957515826	6.545253232	5.281055722	1.239383483	0.288624569
0.312088649	5.54333855	5.472268953	7.144315149	4.10003953	1.74249909	0.63831865
0.189525831	3.755539033	5.06791345	5.431501498	4.905782863	1.107163046	0.131714251
0.125297554	1.994314679	6.515810129	7.728941299	5.995139468	1.28920125	0.338038228
0.164475689	2.63726918	7.048906915	8.743240892	6.244089502	1.400242724	0.572720632
0.152112811	2.030891228	7.58467973	8.478988062	7.216184888	1.174995956	0.281478944
0.024027488	0.434633535	5.589144903	7.13106421	4.607388425	1.547745393	0.44486189
0.003514321	0.062305546	5.663023094	6.850645543	4.969260608	1.378604602	0.405755737
0.162139585	2.683712228	6.066411529	6.842948073	5.505391078	1.242954038	0.25343415
0.01910249	0.217555229	8.797711029	9.606059633	7.883833619	1.218450325	0.37378813
0.081444559	1.509643885	5.413894676	7.989425513	4.328233041	1.84588617	0.654677818
0.165936748	3.043083039	5.272139617	5.651446254	5.012823836	1.127397738	0.201492997
0.40858044	5.328058492	7.643184334	9.090705098	6.076416477	1.496063532	0.723947198
0.103803275	1.944584373	5.345790344	8.658730045	4.427962668	1.955465909	0.668076864
0.149093465	3.034240536	4.80514409	5.412593484	4.323195126	1.251989171	0.248774251
0.179930392	1.709389646	10.79569542	11.42213306	10.26619841	1.112596173	0.309409154
0.098641396	1.581420815	7.434825191	8.658979051	6.599630733	1.312039931	0.446875056
0.155379644	1.947569963	8.18114703	8.828393205	7.395875074	1.193691499	0.356396804
0.007297342	0.15155917	5.052294677	7.361263601	4.518276474	1.629219381	0.686265931
0.025766971	0.535916509	4.88718939	5.952134234	3.998346924	1.488648771	0.432522974
0.086825642	1.061973952	7.964152232	8.829508533	7.052280096	1.252007636	0.414391289
0.203821762	3.171720841	6.462650084	7.056313909	5.874741591	1.201127539	0.219797476
0.003422397	0.079150435	4.171565744	4.580386985	3.913807898	1.170314718	0.196265262
0.211149156	2.552957202	7.428673366	8.738959181	5.535430163	1.57873172	0.527052838
0.066658956	1.779633347	3.796922232	4.117180773	3.615424891	1.138781996	0.103548714
0.175447335	2.538219125	7.492036845	8.671113838	6.73847268	1.286807004	0.409814883
0.259628397	3.835260403	6.677291821	7.255535891	6.284946535	1.154430806	0.216245339

0.118986626	1.712316182	6.888302937	7.75377365	6.322545777	1.226368922	0.30785289
0.368038473	4.644097108	8.75132746	9.826374925	7.597429624	1.2933815	0.576749808
0.205110464	2.874695287	7.14249578	9.680520301	3.572676147	2.709599164	1.357209842
0.020149008	0.435816334	4.667344094	4.995849214	4.243253169	1.177362984	0.14650876
0.131062242	1.918822885	7.821715501	9.307188415	7.030439499	1.32384162	0.468420447
0.017151582	0.316852352	5.27381592	6.05046526	4.743446011	1.275542137	0.254681511
0.003496643	0.093902339	3.737943783	3.953613095	3.60405004	1.096991732	0.076242997
0.174680124	2.975411927	5.672829852	7.327490105	4.807303324	1.524241266	0.516714078
0.160421315	4.230812311	3.770629857	3.971692938	3.612257795	1.099504289	0.081251401
0.550899822	9.023668286	5.814791078	7.927086839	3.868395738	2.04919232	0.823881796
0.100278348	2.014003975	4.948357853	6.125569578	4.645816018	1.318513164	0.237898465
0.042108209	0.728012886	6.794201445	10.0883762	2.995774397	3.367535356	1.391130674
0.04026266	0.966178951	4.067311567	4.313456398	3.810516395	1.131987361	0.107236413
0.00441706	0.08389007	5.460652038	5.822732149	4.812359948	1.20995358	0.192557359
0.15376037	1.803619709	8.710124809	9.601182895	7.799677982	1.230971704	0.39770753
0.244963002	3.602889296	6.44451708	7.470990328	4.8115472	1.552720989	0.488146675
0.187807561	3.412803707	5.398492838	6.313656748	4.766224147	1.324666351	0.364143092
0.18495085	2.477395907	7.617877117	8.37230077	6.812396425	1.228980266	0.341886955
0.041563737	0.661646694	6.060750005	6.931539958	5.471326006	1.266884838	0.300150575
0.047524647	0.801952818	5.94871218	6.993031825	5.366602588	1.303064967	0.307045568
0.34063455	4.003437272	8.533987232	10.33123396	6.36030278	1.624330525	0.866009307
0.17713732	2.086189435	8.758271077	9.815312953	8.232935953	1.192200815	0.342800542
0.272270052	4.803141347	5.688810792	6.749098073	4.858375383	1.389167683	0.39841147
0.004468915	0.089349311	4.666742046	5.269641236	4.25587524	1.23820388	0.25154913
0.192428504	2.998260723	6.303553945	8.954842436	4.439828271	2.016934415	0.730402611
0.054355298	1.073932723	4.869220832	5.196989115	4.519136786	1.149995975	0.159469749
0.030603581	0.644553018	4.380708491	5.46893497	3.639946853	1.5024766	0.53099718
0.020895005	0.381914033	5.517168889	7.18792473	4.617842696	1.556554695	0.604668509
0.158901036	2.304484979	7.09723508	8.381889094	5.668503922	1.47867748	0.504092515
0.107027682	2.314397741	4.712241789	5.024179184	4.47346409	1.123107078	0.120572702
0.112157742	1.751642172	6.620036111	9.364594207	4.816990754	1.944075604	0.894875264
0.368501628	7.406046751	4.798267874	5.171932021	4.454870745	1.160961185	0.163169697
0.105316484	2.614396731	4.131506174	4.385958323	3.872254595	1.132662694	0.09617623
0.208589429	2.22933922	9.834756968	10.7052434	8.787717383	1.218205244	0.45021585
0.230078404	2.925687079	7.942043985	10.44415858	6.497577261	1.607392749	0.924007632
0.420488119	6.706456992	6.46137003	6.998915575	5.544352736	1.262350342	0.358444278
0.283938728	4.095088879	6.849142141	7.762173899	5.675785369	1.367594684	0.423644493
0.353242264	5.458639983	6.545294832	7.480134355	5.211085501	1.435427293	0.465530327
0.212860354	4.877498977	4.258875263	4.641917399	3.94280006	1.177314936	0.160544817
0.014252916	0.323317072	4.228100607	4.924489431	3.785613575	1.300843135	0.288370585
0.09198045	2.08208074	4.308741077	4.6010414	3.950521131	1.164666951	0.131653765
0.001873833	0.020603166	9.449720937	10.43309451	8.743008461	1.19330715	0.397103116
0.324321596	4.41194192	7.545066361	8.937777752	6.886966985	1.297781414	0.463536903
0.017387756	0.335229799	5.614532074	7.702728675	5.012664911	1.536653419	0.577360957
0.135863497	2.103823758	7.28451163	8.324981918	6.196808876	1.343430479	0.472291006
0.15257243	3.436932024	3.958460025	4.305985351	3.621142552	1.189123402	0.14141595
0.2349268	6.097227185	3.620019314	4.014950436	3.372006261	1.19067111	0.111601512

0.11197743	2.586225106	4.278818567	4.615364969	3.799544836	1.214715227	0.122710146
0.127703485	2.078834063	6.654178147	7.155561823	6.019916861	1.188647948	0.277591548
0.264959982	3.685134991	7.158772815	8.438542034	6.141823518	1.373947332	0.442525869
0.004737615	0.076184652	6.372819928	7.134349662	5.879075612	1.213515548	0.331396913
0.208366691	3.039239093	6.697819043	8.426199361	5.366082772	1.570270106	0.559597553
0.190308362	2.32568038	8.172662423	8.921551073	7.285601557	1.224545565	0.348391802
0.114918994	3.205058582	3.510392413	3.826357642	3.059458944	1.250664811	0.133982482
0.071827907	1.540929993	4.523424602	4.959459906	4.004123755	1.238588068	0.190232182
0.144806041	2.332393316	6.073351479	7.194355005	5.508660711	1.306008009	0.284018282
0.082887057	1.242715914	4.197398353	4.878811451	3.831929854	1.273199572	0.236246435
0.022323361	0.322560615	4.930710602	8.378816398	3.917004705	2.139087652	1.345926293
0.038443039	0.672677421	5.468557676	7.008036643	4.746245497	1.476543227	0.52003681
0.028213561	0.486820157	5.647981559	9.926971983	4.170950524	2.38002631	1.066414959
0.038250941	0.558253997	6.993261301	8.307166888	6.170664523	1.346235378	0.411175894
0.116212999	2.1185776	5.489016304	6.02593331	4.81017757	1.25274654	0.271192532
0.009906566	0.2183483	4.493634233	4.927447556	4.136513232	1.191207976	0.190501115
0.083247681	1.173797671	7.000376851	8.614598506	5.221591328	1.649803281	0.589758106
0.156925851	2.443930383	5.358703989	6.491317309	4.096926293	1.584435952	0.589929407
0.157625887	2.782722485	5.545123021	6.192521932	5.12752435	1.207702101	0.211881194
0.155261204	3.591193519	4.317871421	4.579439461	3.987504153	1.148447572	0.099780233
0.437486966	10.55015286	3.533115819	3.970926235	3.331408701	1.191966099	0.103270897
0.012590036	0.29090419	4.315362412	4.653572261	4.030099283	1.154704124	0.110939667
0.34897841	4.843909252	6.999611741	7.774560914	5.613486947	1.384978889	0.422924162
0.043345646	0.484533125	8.90610632	11.29363382	7.527217445	1.500373	0.88441322
0.063349697	0.706047062	9.130505303	10.78218056	7.961107825	1.354356805	0.688827787
0.146276823	1.606073866	8.688067095	9.351819849	8.15920492	1.146168032	0.294170393
0.325120627	5.691590037	5.32940192	8.084302993	3.398669489	2.37866701	1.113786325
0.017373614	0.222436846	7.823686356	8.758394923	6.833018465	1.281775392	0.379221178
0.036401857	0.491575462	6.971052009	9.114942343	3.70914186	2.457426188	1.193005857
0.000148492	0.002244766	6.441340644	8.503091621	5.065813956	1.67852426	0.552643378
0.179136075	2.058107712	8.644487301	9.635374616	8.024302696	1.200774071	0.361454256
0.135792786	3.390013234	4.050834516	4.39932367	3.718042127	1.183236639	0.119912952
0.014290628	0.360865951	4.066714855	4.323138593	3.809339203	1.134878876	0.10772981
0.078198939	1.597704079	4.812136904	5.213484739	4.42950271	1.176990981	0.174505174
0.29999182	4.195192027	7.091124555	7.914575152	6.400522335	1.236551446	0.346221711
0.083618912	1.637621439	5.028433564	5.844981175	4.392696178	1.330613577	0.292368311
0.014884598	0.308935105	4.658978616	5.241678307	4.307341556	1.216917265	0.2052044
0.039187858	0.623395667	6.160881736	7.298705332	5.545957035	1.316040728	0.337072682
0.212956992	2.982882772	7.168716362	7.860529097	6.746239602	1.165171942	0.261932043
0.132832366	1.540584892	8.138657441	10.36899097	5.277241501	1.96485057	1.181300485
0.015980613	0.158999274	10.0941137	10.9145614	9.575309227	1.139865162	0.306752541
0.324788287	4.628892235	7.953562961	8.865950459	4.559546757	1.944480654	0.766822369
0.386518709	4.845815696	8.033682481	9.687424292	6.062502373	1.597925031	0.733926824
0.130326851	1.69773032	7.978719137	8.966329863	7.456408789	1.202499771	0.368265544
0.062920129	0.853139577	7.187653272	8.21737786	6.485332692	1.267071136	0.381423431
0.030987776	0.39405834	8.640483027	9.877620343	7.392503	1.336167242	0.570320159
0.019296944	0.246674634	7.964353086	9.08762007	7.339146666	1.238239333	0.336018898

0.155924116	3.631421574	4.337007344	4.663574293	4.087617918	1.140902694	0.132384201
0.281191618	3.631354147	7.64661327	8.481478269	6.784501911	1.250125415	0.331692849
0.042782789	0.541222394	8.011083264	8.534788365	7.654937339	1.114939024	0.220410535
0.171957763	2.479386017	6.908962321	7.61467461	6.385595264	1.192476863	0.235931736
0.003981011	0.06291096	6.273330265	7.281815767	5.756779484	1.26491136	0.247025008
0.104245217	1.87442806	5.556661062	6.773155673	4.760893636	1.422664775	0.42409901
0.155768553	2.879061098	5.330453882	6.950240723	4.367002992	1.591535599	0.511441868
0.071410714	1.411897297	5.004828345	6.236248838	4.693207583	1.328781804	0.276307135
0.064509352	1.344832833	4.675263765	5.074575929	4.319412595	1.1748301	0.121000433
0.169097516	4.498045037	3.856439999	4.114438429	3.627111391	1.134356788	0.10000074
0.040651569	0.88529598	4.441936518	4.798531935	4.068628232	1.179397984	0.141791517
0.116686761	2.665269651	4.329016827	4.938595721	3.914990455	1.261457921	0.230684025
0.117613071	2.057182501	5.663516653	6.403267523	5.009772763	1.278155283	0.312986359
0.260201153	4.59063249	5.650434152	8.298248053	4.198009081	1.976710363	0.714386291
0.111397602	1.292466751	9.129288471	9.991485908	8.38244324	1.1919539	0.357054851
0.060683904	0.914520225	6.733882207	7.628602487	6.251078155	1.220365879	0.286465069
0.584899873	13.18383848	3.914762174	4.973354686	3.460702982	1.437093767	0.360452937
0.031006632	0.589583175	5.128663089	7.647947341	4.713670209	1.622503697	0.484052369
0.454747442	8.94147321	4.016499133	4.609830408	3.804640478	1.211633644	0.171149921
0.216079458	2.805295152	7.214555904	9.478630215	5.097437662	1.859489187	0.816005841
0.221140575	2.410162645	8.755723221	11.28004434	7.070197607	1.595435512	0.807972909
0.089703566	1.932037132	4.498744423	4.726698423	4.234020782	1.116361649	0.112896784
0.053004724	0.620001935	8.008443614	10.30476724	6.882602874	1.4972195	0.731813319
0.077594363	0.898276882	9.196436234	10.72421774	7.859505994	1.364490052	0.656698848
0.291313852	3.555540266	8.901209247	10.57512565	7.406759508	1.427766845	0.664123461
0	0	5.557518691	6.84406171	4.066169783	1.683171652	0.605157942
0.127760053	2.481027545	5.956842615	6.809877132	5.065958249	1.344242648	0.35940196
0.041912576	1.006824383	4.190140657	4.502155728	4.012992703	1.12189482	0.097317843
0.096554547	1.568981881	6.226844349	6.942691058	5.725491832	1.212592955	0.284597974
0.454517632	6.76991614	6.879496865	8.352764048	5.72593379	1.458760152	0.52139181
0.258341463	2.789682566	9.037452919	11.63303435	7.895967918	1.473287945	0.821038628
0.203452299	3.81609721	5.352027084	5.682649036	4.984258558	1.140119231	0.159970156
0.034259324	0.571778587	6.054282545	7.298213579	4.727552104	1.543761638	0.644626648
0.233932136	5.394462875	3.995563251	4.312772348	3.618836474	1.191756626	0.149541019
0.060641478	1.164816154	5.340012406	6.663733741	5.058839827	1.317245449	0.325481188
0.321323464	5.38662047	8.435493782	13.19952984	2.637733509	5.004118041	2.973879146
0.117319622	2.713548023	4.202622718	6.630156368	3.795774116	1.746720475	0.436228783
0.098956058	1.917741877	4.985678665	5.383031405	4.747208359	1.1339362	0.177629254
0.030813357	0.559591521	5.723246794	7.350823815	5.05602241	1.453874848	0.490450812
0.025653834	0.317976073	8.721217523	11.46249774	7.392694146	1.550516972	0.823306035
0.591219051	8.137107263	7.369454545	8.765629677	5.898452579	1.486089709	0.679713104
0.317554584	6.65068629	5.198473816	7.746748988	4.063154427	1.906584927	0.84363806
1.204026072	18.79277708	5.502269186	8.016784535	4.454271166	1.799797147	0.83366055
0.106808479	1.547019653	7.014644463	7.644620407	6.397262733	1.19498303	0.308040047
0.159629356	1.984276402	8.087261264	8.743923181	7.173848106	1.218860931	0.3611726
0.130802969	1.669387995	8.137413162	10.65669525	6.255820171	1.703484908	0.926437951
0.030815714	0.492781187	6.26076383	6.874382171	5.716662143	1.202516783	0.256709022

0.178098985	2.640292825	6.3392146	6.843879118	4.94442027	1.384162095	0.376464399
0.099313147	1.922904418	5.522496353	6.75394907	4.429953436	1.524609495	0.544122063
0.041747584	0.444942302	9.486312037	10.38529604	8.749716835	1.186929387	0.370302209
0.040227305	0.497537437	8.188395529	8.779181054	7.751122924	1.132633444	0.257541071
0.084082067	0.837609258	9.968785415	10.70641135	9.049956879	1.183034515	0.346855557
0.209126831	2.071061327	10.13519634	10.67323905	9.381420948	1.13769962	0.278798258
0.881868222	10.84743735	8.282420318	11.34493996	6.483774242	1.74974321	1.051856139
0.023150676	0.221466807	10.28249719	10.87545533	9.200166089	1.182093369	0.33785893
0.141697128	1.660536531	8.515920381	9.317124193	7.329278979	1.27121975	0.432291971
0.049549329	0.476493297	10.43470109	11.22111494	9.808703253	1.143995761	0.288383614
0.083707301	0.812307723	10.24679218	11.00461397	9.630993196	1.142625039	0.261146246
0.1850852	3.334467549	5.699476206	6.228545339	5.210164054	1.195460503	0.18796758
0.188618377	2.976265904	6.493901728	7.100454614	5.981740583	1.187021489	0.249717189
0.283464966	5.437637523	4.800924065	6.09539188	4.225127178	1.442652877	0.384868622
0.060408132	1.716187326	3.573627464	3.980400665	3.323283398	1.197731336	0.147513591
0.025653834	0.568281775	4.310991849	4.579096712	4.091077536	1.119288665	0.091744133
0.002213244	0.044335011	4.806679095	7.615979398	4.344112187	1.753172817	0.496061465
0.033361298	0.856721292	3.82648505	4.059833597	3.575090344	1.135589092	0.092284054
0.176861548	4.960611555	3.523047254	3.962371322	3.110572451	1.273839907	0.175304532
0.037851426	0.627167179	6.49860199	7.358758856	5.791596044	1.270592562	0.365943027
0.159452579	2.062040497	8.291503916	9.914562463	7.028048792	1.41071338	0.602187542
0.012144559	0.220680851	5.328672353	6.083373289	4.241425396	1.434275679	0.415517379
0.053259283	1.2313595	4.305716382	5.062705353	4.070246308	1.243832675	0.180657596
0.185608459	4.710190355	3.946443396	4.377015746	3.830710915	1.142611866	0.127156843
0.162047661	2.530689242	6.318742682	7.170154323	5.303337325	1.352007968	0.414154857
0.007894847	0.163612764	4.946673171	6.968653587	4.334547125	1.607700502	0.50770865
0.049025481	0.901082664	5.420296439	6.287746133	4.9804535	1.262484658	0.220963946
0.040234376	1.084827604	4.014731621	6.504075654	3.404485305	1.910443157	0.475906828
0.12634584	1.896619153	7.067994871	8.880533025	4.287547494	2.071238403	1.233355603
0.125596306	1.744763623	6.412063018	9.75400022	3.897749456	2.502469779	1.339852952
0.005331585	0.076343051	7.014871407	7.668171317	6.273386113	1.222333709	0.257915451
0.094540177	1.423295243	6.912381316	8.180744484	5.755625676	1.421347617	0.588123731
0.25736212	4.162356776	6.45734839	7.112802776	5.767782967	1.233195288	0.351077136
0.084467441	1.372495313	6.287186138	7.012726911	5.56009743	1.261259717	0.330566517
0.260000806	3.298152034	8.127134784	8.847718531	7.379138507	1.199017815	0.376797925
0.045656117	0.765220556	6.072217869	6.933266308	5.100632441	1.359295419	0.412274263
0.076148329	1.903489717	3.773448573	4.417428858	3.54510659	1.246063763	0.210418868
0.00178898	0.040820227	4.483651066	8.01715491	3.910834748	2.049985598	0.7003171
0.079698005	0.934311398	9.088012893	11.46848423	7.198304357	1.593220244	0.889596855
0.006873078	0.091170642	8.025668394	9.588533576	6.812749284	1.407439666	0.58813918
0.081165252	1.250323256	6.654396607	7.743058388	6.261816588	1.236551451	0.396418001
0.157946442	2.489378459	4.924442959	5.542126562	4.555133662	1.216677045	0.307258441
0.034687123	0.928530095	3.706214441	4.095712445	3.383542287	1.210480644	0.137406041
0.036345289	0.85109886	4.193085278	7.291436158	3.643353682	2.001297923	0.626515886
0.25309473	6.108031996	4.212425012	4.441792924	3.964672924	1.12034284	0.124159541
0.120752625	1.462251712	8.311898358	9.097721469	7.185837815	1.266062734	0.398630063
0.70027613	8.965415669	9.185161563	11.26039573	6.823882719	1.650144968	1.138025712

0.001647559	0.047288449	3.483433119	3.849958329	3.229050046	1.192288219	0.107281517
0.183593205	4.319306115	4.197070516	4.505125266	3.714491463	1.212851156	0.13410823
0	0	4.455713105	4.934928314	4.096849361	1.2045667	0.170985508
0	0	4.72590788	5.026029547	4.58931172	1.095159765	0.092520006
0.055988715	1.447459204	3.928993436	4.285474214	3.521175918	1.217057686	0.149724859
0.026721565	0.60332303	4.367808052	4.662852853	4.065291228	1.146991099	0.130516539
0.052354186	1.056832737	4.899052073	5.387188809	4.484483841	1.201295177	0.14316368
0.115534177	1.564182166	8.569369724	10.46614335	6.618614751	1.581319316	0.746110763
0.174696034	2.839480563	6.619378024	7.548084456	5.998581625	1.258311536	0.436317777
0.042458227	0.568379438	7.33273952	7.972266749	6.564358029	1.214477747	0.325896235
0.133197704	1.910230659	6.880036034	8.458980005	5.92713445	1.427161823	0.403688464
0.144709403	3.04197073	4.704149407	5.14432134	4.484074172	1.147242696	0.134659985
0.016192745	0.27549676	5.902335132	8.413322198	4.742747385	1.773934286	0.725225407
0.513295884	9.667035829	4.969778365	5.390699231	4.561200367	1.181859773	0.170862054
0.182631539	3.531830557	5.204798416	5.579571906	4.813904257	1.15905336	0.209954292
0.128679292	1.725108909	7.383308005	8.011751113	6.266912459	1.27842078	0.329332483
0.180501128	2.61611868	7.044774422	7.704955494	6.419780912	1.200189788	0.294153498
0.036866191	0.518574745	7.227733747	7.919511735	6.749349042	1.173374156	0.265805929
0.202702765	2.747352347	7.32954141	7.911016547	6.893536354	1.147599163	0.192434214
0.08039097	1.062815121	7.549516586	8.863391318	7.095088504	1.249229141	0.323435832
0.238973808	2.610062705	9.368670777	9.840132881	8.796378093	1.118657336	0.235661503
0.06792892	0.963586455	6.49208741	9.289165459	4.617473346	2.011742086	1.010015465
0.002474874	0.054766338	4.436532712	4.574893885	4.110123786	1.113079343	0.098841249
0.069558094	1.426097359	5.239906241	6.780190712	4.492097566	1.509359628	0.452277649
0.051682435	0.538138613	9.739472693	10.48890599	8.872877021	1.182131339	0.401079031
0.019844952	0.26602147	8.547386556	10.23628257	5.689104379	1.79927839	0.737176321
0.205435733	2.552293279	7.73573163	8.234211673	7.477001775	1.101271863	0.165673652
0.117393868	2.17675384	6.128184588	7.656351428	4.551921173	1.682004397	0.694410298
0.048161043	0.826374271	5.589843658	8.36558548	3.93593219	2.125439432	0.903302153
0.007509474	0.12646519	5.987676403	6.619248386	5.194119546	1.274373516	0.293421105
0.058901995	1.033340601	5.861949748	6.483366081	5.216793091	1.24278766	0.281417517
0.010564175	0.145881161	7.236651114	7.967812092	6.281480666	1.268460816	0.357396549
0.120865762	2.386290687	4.802781337	5.33913866	4.537890817	1.176568339	0.227968737
0.100271277	1.447551332	7.04244181	8.254655074	6.057950294	1.362615187	0.365117395
0.077456477	0.960619188	8.179701653	8.759166225	7.828560377	1.118873178	0.261990434
0.137446238	1.748180769	8.378015202	9.005293378	7.708683318	1.168201236	0.326815474
0.41281601	7.570580879	5.608008207	7.458036822	4.977091842	1.498472815	0.43248235
0.116290781	1.274054828	10.09398822	12.17398634	7.864069675	1.548051689	1.08858606
0.142665864	2.744832535	5.789345823	7.27556878	4.545703283	1.600537547	0.655408125
0.040962696	0.522842057	8.197190257	9.008445051	7.633010297	1.180195585	0.372235443
0.200599123	4.946540082	3.918338702	4.868877447	3.716904428	1.309928071	0.226721113
0.049294771	0.900873276	5.48939249	6.193250904	4.98360797	1.242724336	0.243848419
0.044717433	0.554734459	8.36306498	9.288661952	7.609546972	1.220658994	0.422453005
0.059891944	1.368031057	3.77635092	4.222850132	3.489724603	1.210081199	0.170942876
0.11416239	2.13338664	5.110696053	5.630822073	4.01933427	1.400934009	0.354765264
0.061992052	1.258915098	4.798811487	5.08023312	4.652825703	1.091859752	0.109029502
0.099313147	1.751623868	5.702149717	7.320310733	4.456079488	1.642769334	0.502170221

0.122909301	2.402325766	4.886002186	5.404841337	4.643018788	1.164079144	0.219934663
0.110817775	1.354970066	8.257283055	9.262256561	6.649766103	1.392869526	0.550100113
0.04251126	0.556031697	7.526367925	9.996434468	5.140391793	1.944683376	0.941091245
0.490470477	9.382011983	5.229933121	6.315500398	3.972582142	1.589772136	0.49032291
0.060620264	0.789911753	8.070121048	9.309725609	7.50252359	1.240879218	0.429318599
0.562620117	7.602398453	7.434753594	9.857369874	5.449298819	1.808924451	0.89473017
0.154036141	2.225796443	6.983766385	7.70121839	6.354013723	1.212024199	0.254137174
0.083173435	1.211700546	7.073733648	8.156799827	6.013689406	1.356371983	0.437290309
0.29004106	5.951136721	5.425390497	6.559038658	4.619851179	1.419751071	0.455985808
0.015443212	0.20602189	7.791713608	8.974601282	6.114296887	1.467805939	0.628447341
0.144272764	2.083756333	6.872642642	7.506797844	5.982446386	1.254804032	0.277693964
0.048098817	0.718221938	6.806813645	7.955926678	6.165507516	1.290392828	0.434658799
0.14323155	2.0642504	7.93522005	8.76174462	6.888221071	1.271989463	0.4096178
0.052457895	1.024053029	5.076515311	6.123239001	4.482445776	1.36604865	0.366016386
0.133070425	1.59535738	8.336070357	8.989290399	7.316950325	1.228556981	0.375038193
0.108699485	1.678710936	6.516955886	6.990067184	6.140423006	1.138368998	0.210020526
0.108632815	2.61186437	4.038121871	4.296980816	3.804228489	1.129527532	0.115022753
0.027955467	0.605721633	4.485850571	4.639967997	4.090153186	1.134424015	0.104993219
0.117309015	2.980445056	3.903263963	4.250773574	3.540318152	1.200675587	0.140423788
0.074042161	1.743632874	4.25660743	4.695045081	3.621486012	1.296441589	0.165667726
0.057961543	1.151164714	5.001403329	5.319452631	4.576147363	1.162430361	0.14567413
0.164948567	3.599913642	4.517589383	4.82087333	4.17272512	1.155329717	0.150045138
0.315963594	6.747358645	4.471275112	4.897571819	4.274258298	1.145829633	0.173925676
0.136563533	2.560264747	5.933145772	8.687477289	4.632336587	1.875398543	0.713280486
0.04323958	1.016120501	4.130252938	4.378177081	3.749370477	1.167709915	0.136497118
0.20588121	5.219778363	3.691289486	3.907721835	3.427087554	1.140245696	0.096742879
0.059792949	1.329632166	4.851445818	9.917778393	3.866571567	2.565005774	1.211284043
0.209544024	4.852375911	4.201977342	4.457505843	3.885621241	1.147179709	0.118976429
0.018427203	0.276334323	6.573603165	7.404624007	5.588642014	1.324941549	0.367174093
0.053648191	0.969225862	6.271488889	9.348091688	3.888220697	2.404208098	1.265567146
0.018154967	0.468110168	3.850756647	5.805944181	3.539609269	1.640278274	0.362529046
0.05728272	0.585035663	10.28003883	11.01474395	9.841701039	1.119191073	0.334998086
0.150910729	1.77208753	7.744959707	9.229483914	6.158880195	1.498565262	0.645961409
0.016556905	0.231659449	7.0778492	7.944478507	6.396338256	1.242035394	0.306566353
0.095247283	2.168803709	4.125608358	4.443461383	3.670236394	1.210674438	0.133124772
0.225842835	2.650105853	8.97505678	9.892787022	8.048372629	1.229166128	0.420778401
0.006650339	0.119921441	5.727133813	7.257183425	4.189099592	1.732396966	0.715713162
0.056416515	0.672775746	8.692690338	10.41749062	7.392000596	1.409292449	0.531326616
0.249209178	3.661216585	6.920215824	7.549844993	6.678199745	1.130520991	0.197991694
0.02926715	0.830147011	3.471458745	3.83225567	3.300188031	1.161223431	0.097885429
0.231131994	4.47110657	4.194656865	4.620330496	3.798983711	1.216201713	0.178098594
0.161229774	1.800807541	9.14805655	9.852368833	8.096681093	1.216840421	0.437520365
0.040890217	0.679595683	6.248054825	6.888896443	5.850082908	1.177572447	0.277863695
0.034909862	0.923003663	3.649656528	3.964043921	3.405336869	1.164068071	0.09449312
0.078792909	0.967419254	8.90476922	9.565309884	8.118406602	1.178225033	0.364942548
0.468924933	6.647988236	6.812375694	7.495292258	4.517867364	1.659033268	0.482962804
0.050958829	0.613594804	8.829651226	9.7967883	8.069638833	1.214030578	0.439775812

0.204212438	4.31569668	5.245834321	6.755909527	4.496291608	1.502551462	0.456866024
0.03519624	0.861003008	4.074060802	4.447475334	3.878820295	1.146605152	0.101257148
0.271624463	5.778413346	3.630676812	3.997874097	3.383887721	1.181444075	0.120520965
0.151080435	1.733198498	8.729835652	9.266170141	8.10834676	1.142794014	0.219491778
0.157599959	2.256593304	6.612817068	7.565107342	5.318211575	1.422490857	0.49743182
0.321323464	5.968744789	3.848238997	4.196821147	3.583927076	1.17101187	0.117466996
0.090332891	1.218408086	7.491490588	8.789973985	6.092604699	1.442728426	0.557579842
0.033859808	0.354612323	9.798859435	10.60683543	9.06192007	1.170484329	0.369836063
0.026311443	0.289448329	9.150735837	10.03954739	8.349912236	1.202353642	0.353658217
0.231990421	3.318088064	7.183743633	7.889474583	6.770689185	1.165239515	0.230020623
0.2072035	3.087595489	6.837522329	7.785120344	6.11170532	1.273804926	0.345630489
0.429524943	6.89316657	6.627665775	7.669096244	5.615235217	1.365765805	0.36041825
0.249035937	4.184395109	5.991834709	6.578857922	5.326680346	1.235076538	0.244901539
0.277249498	4.207936737	6.811653726	8.115894819	6.214543342	1.305951922	0.417339946
0.080086914	0.969610681	8.407606265	8.919365962	7.31146308	1.219915339	0.314113403
0.082865844	1.809356649	4.381345704	4.596934164	4.05918222	1.132477902	0.118018756
0.080037417	1.103385891	7.73215099	11.09247898	5.228075215	2.121713733	0.961242673
0.240154676	3.43463822	7.001743424	7.524059161	6.636489247	1.13374088	0.225655396
0.011999602	0.172754013	7.678301205	8.877801334	6.125556768	1.449305209	0.656038489
0.056632182	1.134233487	5.032707597	6.868450499	4.652315484	1.476350975	0.337071736
0.022892582	0.323813079	7.101399302	8.025679705	6.3274642	1.268388007	0.307681257
0.085319504	1.273313736	6.442722039	8.175788634	4.830135649	1.692662324	0.573610417
0.277171716	3.893164245	6.808149834	8.817294944	3.732440857	2.362340163	1.074789923
0.029010234	0.622769127	4.698055854	5.405184755	4.397474428	1.229156609	0.203946204
0.129933228	1.681142699	7.347307634	8.315529649	6.613308192	1.257393336	0.33470629
0.136337258	1.830334971	7.583953324	10.17196493	4.502583139	2.259139836	1.187332244
0.152586572	1.887798318	9.518101893	11.30250839	5.529815967	2.043921254	1.10220727
0.061702138	0.835286498	8.719517782	9.69423901	7.585425905	1.27800853	0.526774982
0.014064354	0.304192198	4.607416354	4.927436811	4.317439436	1.14128684	0.128191313
0.299059028	4.339603204	6.821404261	7.892809902	5.671880856	1.391568353	0.36987249
0.192934085	2.595002251	7.732498674	9.020374038	6.978695934	1.292558685	0.44394433
0.308080768	5.088468162	6.279252596	7.07723969	5.63088667	1.256860616	0.362074912
0.141753696	2.881228852	5.189535353	8.257352908	3.368156119	2.451594468	0.935426055
0.13887754	2.169944771	6.567657595	7.988689181	5.854931992	1.36443757	0.466099542
0.0326153	0.617654238	4.810955198	5.45310008	4.52543688	1.204988651	0.206116694
0.005183093	0.115880848	4.311115407	4.655001879	3.958805056	1.175860345	0.160104914
0.032827432	0.773468761	4.161787744	4.491691057	4.008484122	1.120546052	0.10391055
0.010776307	0.241382404	4.448357229	4.592742111	4.124287789	1.113584295	0.100636658
0.106056589	2.107478869	5.050836115	7.242678389	3.700292447	1.957325939	0.58386379
0.008845906	0.255693966	3.403483273	3.618754806	3.285223385	1.101524731	0.078667728
0.108657564	2.070315964	4.709590325	5.021727812	4.447689363	1.12906442	0.123239835
0.303591582	5.757268494	5.382776639	6.088715692	4.934148977	1.233995106	0.272606709
0.07850653	1.264980276	6.064289947	7.138453751	5.53142775	1.290526438	0.325294777
0.030879353	0.628238113	4.691728468	5.732258208	4.29564019	1.334436302	0.367077282
0.082933019	2.106477052	3.914848332	4.313416633	3.635480616	1.186477687	0.119092833
0.100882924	2.083910214	4.679651415	5.157454769	4.461546678	1.155979112	0.16269244
0.09721304	1.422242142	7.09018942	8.253450672	6.04325103	1.365730239	0.388732522

0.097799939	2.031649598	4.783819781	6.772364842	4.484404678	1.510203768	0.383349048
0.017769593	0.333944134	5.99719383	7.469967848	4.928411961	1.515694692	0.604438797
0.204862977	3.495181333	5.084933348	6.381750481	4.198035388	1.520175485	0.43332854
0.129244977	1.719077517	7.646333187	8.790898468	6.56752641	1.338540254	0.442118693
0.032502163	0.409178909	7.977949917	8.931219315	7.443626044	1.199847932	0.329228211
0.113879547	1.476231665	7.723107391	8.67052598	6.503964145	1.33311405	0.368236123
0.18091327	4.073571619	4.769644737	5.22957801	4.240740217	1.233175753	0.221051864
0.098973736	1.839080652	5.841609712	6.384576361	5.014272558	1.273280678	0.316216474
0.320545646	7.035474861	4.834484664	5.957347002	4.472134912	1.332103597	0.307602309
0	0	6.469234696	8.468707883	5.102984144	1.659559905	0.738120436
0.060687439	1.044818543	6.081412983	6.996134566	5.414983097	1.291995643	0.277946214
0.044934279	0.668486208	6.624334627	7.82970932	5.724901397	1.367658371	0.392525208
0.179965747	2.49109595	7.321974307	8.141094439	5.969882229	1.363694312	0.383791567
0.131939054	2.686797196	4.865599439	5.079837426	4.67218046	1.087251974	0.084992092
0.04242405	0.788424773	5.245810419	10.60218395	4.030131258	2.630729192	1.307097494
0.700205419	11.91103893	5.93168107	7.825859248	3.938806487	1.986860556	0.876404467
0.358477211	5.694660614	6.261535821	11.10267426	4.555678523	2.437106613	1.279433107
0.089873272	1.692380938	5.792099536	6.553346841	4.209315817	1.556867464	0.537760786
0.011165216	0.267824269	4.07311594	4.4541527	3.679880692	1.210406824	0.12359755
0.088614622	0.967864916	8.637437386	9.790818155	7.640815389	1.281383944	0.4398447
0.11076262	1.767141551	6.49023429	7.273129576	5.865714433	1.239939254	0.344347657
0.046007903	1.33174095	3.518865038	3.931615511	3.22729302	1.2182394	0.132370973
0.058412323	1.161610344	4.715850934	4.956001871	4.362001486	1.136176108	0.117607352
0.179057115	2.640467221	6.924381246	7.693734193	6.438434718	1.194969667	0.306393873
0.193726045	3.365665696	5.525598377	5.876318092	4.859655679	1.209204619	0.206647963
0.098726249	2.369713773	4.246043206	4.685794725	3.857375445	1.214762419	0.148096334
0.341355799	5.612528583	5.943109812	8.66869388	5.368422756	1.614756191	0.518159639
0.354748401	10.31387514	3.453236914	3.65523079	3.154857727	1.158604003	0.105221965
0.128742932	2.341658868	5.153444921	6.244013067	4.319008827	1.445705095	0.385898701
0.08045461	1.808283705	3.903736927	4.305242184	3.583710711	1.201336417	0.131258044
0.006915504	0.113974516	6.374908563	8.336386674	5.2780812	1.579435094	0.770906535
0.022160727	0.614160812	3.61721538	3.832992362	3.444550297	1.112770037	0.087867609
0.113936116	2.903217711	3.965185486	4.179532149	3.626522924	1.152490205	0.102077152
0.356321714	5.1285066	7.034775804	7.838290902	6.55106509	1.196491074	0.359859799
0.062692087	0.646376923	9.520774374	10.82401273	8.057638672	1.343323171	0.629908536
0.08701656	2.372362646	3.643684544	3.943246792	3.448519491	1.143460781	0.095031909
0.208349013	2.981432696	6.589596891	7.540479478	5.770266667	1.306781803	0.33220386
0.056330483	1.042558944	5.076506576	7.143984833	4.251868062	1.680199086	0.523775027
0.07817419	1.437452182	5.626585932	6.638385769	5.121955964	1.296064592	0.295450607
0.139316535	2.420983887	5.913062295	7.864765016	5.040605441	1.560281817	0.614319216
0.383852916	7.681153384	5.191035551	5.613672732	4.782033964	1.173909005	0.182664178
0.03794335	0.669365164	5.912058074	7.081206526	5.029147408	1.408033201	0.507320275
0.318403113	4.191395651	8.623441667	10.02685983	6.669814342	1.50331918	0.791283085
0.171268333	3.089397177	5.409306912	6.694112975	4.525039617	1.479349032	0.48691115
0.040243804	0.572695333	7.069164498	8.588693889	6.529947379	1.315277657	0.354335457
0.114841212	1.713617105	5.472530363	8.935889515	4.62228968	1.933217114	0.842539356
0.112748176	1.588363882	7.153313322	9.891420232	4.963767558	1.9927243	0.955826735

0.311273119	3.307354109	8.896588664	10.66723631	6.970068018	1.530435038	0.843895749
0.002619831	0.044464993	5.881300683	6.320789449	5.56632638	1.135540573	0.164427146
0.181170185	2.121526488	8.622774139	9.881412305	7.315806327	1.350693534	0.544212255
0.281622953	4.253775114	6.574802046	7.03644056	5.583779201	1.260157378	0.27398233
0.022630953	0.395079258	5.635236417	6.302826402	5.383002998	1.170875514	0.171933345
0.035921024	0.531836645	6.766949874	7.476285077	6.257142349	1.194840178	0.261625133
0.225227652	4.210278356	5.068173182	5.471008573	4.333799223	1.262404715	0.227714855
0.01794637	0.26540784	6.790041301	7.884771611	6.055156383	1.302158212	0.37663335
0.084304806	1.329649413	6.324738954	6.661740218	5.945885477	1.120394976	0.12934539
0.047750921	0.8685971	5.578682203	6.219386829	5.164485313	1.204260725	0.250440588
0.06376689	1.040448156	6.328968334	9.152425944	2.798910598	3.269995816	1.161619913
0.377743514	5.382444175	7.139664677	7.836975781	6.726710947	1.16505315	0.277142428
0.071106658	0.839485033	8.602603473	9.204623543	7.933290417	1.160252942	0.287855588
0.227575246	2.489695027	9.499848576	10.92622262	8.715473142	1.253657999	0.353839501
0.1615739	2.228869205	6.697233576	13.93235229	4.689592008	2.970909252	1.871942616
0.009446947	0.197637852	4.666980037	5.960185098	4.335616887	1.374702898	0.27886938
0.057926188	0.910468283	6.744519219	7.652351018	6.214091731	1.231451248	0.30647007
0.038457181	0.615949013	6.550545043	7.826082651	5.16142369	1.516264334	0.612608137
0.064622489	1.328209802	4.744667445	5.272840263	4.31076829	1.223178772	0.16427079
0.243541718	3.505152153	6.05543747	9.769808224	3.906284719	2.501048676	1.376648289
0.045841733	0.700463408	6.837383082	8.708853803	4.76865651	1.826269891	0.733194422
0.077322127	1.199219286	6.86606217	8.769261387	4.347839807	2.016923754	0.849786889
0.177893924	2.741516497	6.534822268	7.338988831	5.740090084	1.278549417	0.335452894
0.106725394	1.322992782	8.416755158	10.22765138	7.602655319	1.345273586	0.483457128
0.042302663	0.38142405	11.24183933	11.8127853	10.64226362	1.109988037	0.305432265
0.358418285	4.663170363	8.189897664	8.923460364	6.76406247	1.319245705	0.456292848
0.108604531	1.925653224	5.602735859	6.152138188	5.37692988	1.144173036	0.139036289
0.003383506	0.051457591	7.344885267	8.762216723	6.173851829	1.419246358	0.592081876
0.01390879	0.267246607	5.133763624	5.626909388	4.491994187	1.252652865	0.20151995
0.218821265	4.945898865	4.301422588	5.686613338	3.44136627	1.652428975	0.520157974
0.210201633	3.574937326	5.030883654	5.306839607	4.599254873	1.153847689	0.13644945
0.123980567	1.719546342	7.864623225	9.197664372	6.466503431	1.422355137	0.537989763
0.119522259	2.235082155	5.157413242	6.387221933	4.77413297	1.33788103	0.304188477
0.035277557	0.578945783	6.007615984	6.665402764	5.206107681	1.280304437	0.347601998
0.152441615	2.111170909	7.056671769	8.481625816	5.528511056	1.534160958	0.689895758
0.058959742	1.052064888	5.535491868	6.236639781	4.765827546	1.308616336	0.371823831
0.32169823	3.32833136	10.10841342	11.90099484	8.884842339	1.339471696	0.768436493
0.147891383	2.056074475	8.562452186	12.14338141	5.386042218	2.254601973	1.668827872
0.000707107	0.010270044	6.917609216	10.30461498	3.96142019	2.601242606	1.461330408
0.161892098	3.274349471	4.32058817	4.681779375	4.069220926	1.150534576	0.158530579
0.062677945	0.819136818	7.916720852	8.515106929	7.618908037	1.117628259	0.195498017
0.024260834	0.309523869	7.964842963	8.728247118	7.175548647	1.216387422	0.375387449
0.209614734	3.414254607	6.609787483	8.571750368	6.045512846	1.417869846	0.523605735
0.077963237	0.881352939	9.069399808	10.38624347	8.468874836	1.226401815	0.433041828
0.282128535	4.573145129	6.212516475	7.486368565	5.231793928	1.430937202	0.379988645
0.290458253	4.474542691	5.837668854	7.008738571	4.354357932	1.609591743	0.626892089
0.051982955	0.754894787	7.036819986	7.763820125	6.639626533	1.169315787	0.237781744

0.003655742	0.047949612	7.780651798	9.147059766	6.847646518	1.335796137	0.416799031
0.107983691	1.398044732	7.883177876	9.157226256	7.223647094	1.267673536	0.428710604
0.286639876	3.842368754	7.38800468	8.04866283	6.595718257	1.220286027	0.315679231
0.132653232	3.176813595	3.997913566	4.225419173	3.476134131	1.215551246	0.130263842
0.026106382	0.422520847	6.285060758	7.006428453	5.803588151	1.207258039	0.234143069
0.140438478	3.228328262	4.152558811	4.564648599	3.735021599	1.222121072	0.187190708
0.241080986	5.461296477	3.942018575	4.241035392	3.697872313	1.146885299	0.129086663
0.265691837	3.445212618	8.116173498	9.022598768	7.187850843	1.255256817	0.488883234
0.392426586	5.496783265	7.185800851	7.750890647	6.206440294	1.248846405	0.306127716
0.081861752	1.477124569	5.181531055	5.537813161	4.71713428	1.173978274	0.236714051
0.103640641	1.862252887	5.450734344	7.055277007	4.509551281	1.564518633	0.511516604
0.151148789	2.512900726	5.839354179	6.584290345	5.353416521	1.229923044	0.252148268
0.1517734	2.443644427	6.850216011	8.27335071	6.351948565	1.302490193	0.376114431
0.257379797	4.598846798	5.397591129	6.84038121	4.958468569	1.379535055	0.373715024
0.024670956	0.371550562	6.922617268	8.624163562	5.06056954	1.704188332	0.578352499
0.172095648	2.548129976	6.558829729	7.187563512	6.058671403	1.186326677	0.315958368
0.332927086	4.430527021	7.872551967	9.768311355	5.987931934	1.631333065	0.749813467
0.030773287	0.642880332	4.603282416	4.830578801	4.294781226	1.124755499	0.110754968
0.083562344	1.922806484	4.363013621	4.7587975	4.241021568	1.12208755	0.125281374
0.229189218	3.61856092	6.446059444	7.117160839	6.057560832	1.174921893	0.276765946
0.067161002	1.712947165	3.997330116	4.858640774	3.734293236	1.301087105	0.250406994
0.085715484	2.045229658	4.11636275	4.443765948	3.775579383	1.176975902	0.157868617
0.093186067	1.34703986	7.509431108	8.937146261	6.707502715	1.332410383	0.590538122
0.109837253	1.412227476	7.762315588	8.302710112	7.243044753	1.146301092	0.249716397
0.276811092	3.563998013	7.181742295	8.769831363	6.049996046	1.44955985	0.711413363
0.038028203	0.856099047	4.645405748	7.103811118	3.722817508	1.908181398	0.698185676
0.060005081	1.116252293	5.897269224	8.366881409	4.082334017	2.049533766	0.792101908
0.070743676	0.896408244	7.793496693	8.842774683	6.899436863	1.28166615	0.345490012
0.120780909	1.945579221	6.068604322	7.040432611	5.07362602	1.387653048	0.377542883
0.218598526	2.988096507	7.49341725	8.386138188	5.940686869	1.411644541	0.463248968
0.131479435	1.919110499	7.179232657	8.340232901	6.314933291	1.320715915	0.425863135
0.056214989	1.16908178	4.846558339	5.554538795	4.465356971	1.243918197	0.207320309
0.107199745	1.986284924	5.201851212	5.806127805	4.552374427	1.275406471	0.284596818
0.247208066	4.482483601	5.959886582	6.794016206	5.093575749	1.333840222	0.354651369
0.134972542	3.153056958	4.184571689	4.606258367	3.775878367	1.219917042	0.162530739
0.043791123	0.63578567	6.847384242	8.108531593	6.10618123	1.327921869	0.435281084
0.046482843	0.628848069	7.833083052	8.532037351	7.214615487	1.182604585	0.332060067
0.152544146	3.073263125	5.043387594	5.694618814	4.651705452	1.224200215	0.246695306
0.012591215	0.25488247	5.409913736	7.118438885	3.355372791	2.121504622	0.761048105
0.00864438	0.203367328	4.313071705	6.374798877	3.708712569	1.718871106	0.652384954
0.240483481	4.434976182	5.424776642	7.572728426	4.477320378	1.691352815	0.634579882
0.319202143	5.832606652	5.662981467	7.167016201	5.027738085	1.425495139	0.441295836
0.03158646	0.548654818	5.425863118	6.672046192	4.939619183	1.350720763	0.26549268
0.023737575	0.405344339	5.928257135	6.723811895	4.547956821	1.478424743	0.436742722
0.025356849	0.409541787	7.124713631	9.127676351	5.886119527	1.550712028	0.644169831
0.128983348	1.667178066	7.384710231	8.571243296	6.414381192	1.33625412	0.564547838
0.116778685	1.738806437	6.947844056	8.636280278	5.69592386	1.516221159	0.670056816

0.020421244	0.348803831	5.958401576	6.449471533	5.462821761	1.180611745	0.215996369
0.048535809	1.100782681	4.361587107	4.868155329	4.146798372	1.173955156	0.144705051
0.035648081	0.575971369	6.24419269	7.327420129	5.441089307	1.34668257	0.375712303
0.045921871	0.591973806	7.557965539	8.204874819	6.608924669	1.241484089	0.295185911
0.073143125	0.908801002	8.492994206	10.59911261	6.974297998	1.519738992	0.754568257
0.110047028	1.329354757	8.337623886	8.845443746	7.171152325	1.233475925	0.337831012
0.069539238	1.152416701	6.072635576	6.620281373	5.691754061	1.16313553	0.222152554
0.156885782	2.997650048	5.950957646	6.957262174	5.285852967	1.316204256	0.454586772
0.019922734	0.397340411	5.134982981	5.993017303	4.217325678	1.421046834	0.380866603
0.163804821	3.565759924	4.60910725	5.964690923	4.015069282	1.48557609	0.520787302
0.267700021	3.551197015	7.761466164	8.395785793	6.792131136	1.236104784	0.331409263
0.3334857	5.452828779	6.050545004	6.490440766	5.644931326	1.14978206	0.228483514
0.071347074	1.855273892	3.809579311	4.264033372	3.57333565	1.193292148	0.124898983
0.007311484	0.17268805	4.135272602	6.043560199	3.353231001	1.802309533	0.441467253
0.006413459	0.092516521	6.936428398	7.981598411	5.834233625	1.368062872	0.489814305
0.313778634	5.131403033	5.94303671	6.712998704	5.257079616	1.276944462	0.313732782
0.022024019	0.444638244	5.242949781	6.196738755	4.618908267	1.341602473	0.298045705
0.208766206	2.24693115	9.45091861	10.57593636	8.312520196	1.272290005	0.478788161
0.112538401	1.515831185	7.640063413	8.290377438	7.022590285	1.180529847	0.293922483
0.027618805	0.554337986	4.9001081	5.292521503	4.681135575	1.130606328	0.127401476
0.073666384	1.850578173	4.088029214	4.262174209	3.847187522	1.107867549	0.081581619
0.02950403	0.463964314	6.298479299	6.950925284	5.595154729	1.242311539	0.3019846
0.077173634	1.816658706	4.20141965	4.506823501	3.899390317	1.155776451	0.128518387
0.120795051	1.469365522	8.303488809	8.980124261	7.55778593	1.188195107	0.347034494
0.17959098	2.228624628	8.369809201	9.406662035	7.576808332	1.241507192	0.392425044
0.067917606	0.960857221	7.215548909	8.181918597	6.729027121	1.215914047	0.33379993
0.069204541	1.019815333	6.559403765	7.230784169	5.818760059	1.242667526	0.338628029
0.105988235	2.222904916	4.612807012	5.13717762	4.080128368	1.259072548	0.260908703
0	0	5.729941831	6.378471377	5.371495939	1.18746648	0.20832366
0.484106516	8.047033517	5.620267336	7.906564848	4.528549071	1.745937766	0.677706742
0.355957554	4.99035856	6.441822065	8.712126296	5.105888961	1.706289808	0.789806532
0.01046518	0.169152049	6.312231845	7.023130489	5.70108942	1.231892709	0.250668405
0.27739799	4.719567017	5.85351114	8.164360227	3.782878682	2.158240037	0.83027953
0.103782062	1.690493526	6.011933709	8.625134564	4.220356186	2.043698253	0.885121923
0.331413877	5.292770731	6.026676037	7.365108562	4.700488769	1.56688143	0.538002306
0.091551472	1.353149759	6.915344881	7.94895345	6.527805661	1.217706817	0.285656352
0.022075874	0.346279166	6.648873553	7.499684585	5.733857949	1.307964838	0.443589059
0.010875302	0.147912561	7.447055441	8.135472111	6.858387735	1.186207666	0.274368047
0.096081669	1.960265701	4.275844285	4.642401542	3.880491561	1.196343677	0.159474454
0.067252926	0.947777363	7.403956173	8.612049339	6.234272713	1.381404012	0.490293124
0.067267068	1.145261935	5.813038367	6.579572233	5.516604658	1.19268511	0.187304552
0.187256018	3.499238336	6.421844393	8.01040522	4.125951721	1.941468481	0.765311526
0.057912045	1.087032373	5.363989413	5.651252003	5.063777511	1.116015068	0.12750387
0.052811448	0.908037489	5.914411156	6.292921115	5.400705159	1.165203604	0.200432399
0.029740911	0.60726928	4.675630928	6.808686634	3.442056689	1.978086722	0.733427109
0.127653987	3.049586938	4.142408206	4.558900761	3.815951696	1.194695616	0.167508445
0.156680721	2.5777786	6.298570702	7.48801109	5.137456448	1.457532763	0.453737772

0.079174746	1.415844622	6.296838448	8.355693979	5.427343818	1.539554939	0.601615962
0.057098873	1.438086533	3.93032696	4.282638173	3.821220439	1.120751404	0.09901003
1.042155187	12.86440566	7.645563853	10.80174033	5.890700309	1.833693748	1.129635896
0.135598332	2.503286231	4.231805717	4.786803575	3.970420415	1.205616301	0.163286808
0.207408561	4.169067602	4.553833749	4.826738746	4.371438441	1.104153429	0.119634997
0.212860354	3.179967987	6.641527497	7.985719642	4.981310071	1.60313643	0.617779959
0.060945533	1.2471047	4.74259307	5.202780044	4.201850646	1.23821156	0.18892572
0.143839661	3.959761852	3.620425963	3.925033615	3.171660592	1.237532675	0.159008819
0.096870093	1.896345804	4.813610985	6.286563183	4.289971734	1.465408999	0.308577225
0.184286169	2.523413858	7.58677756	10.32960364	5.104389657	2.02367067	0.81884486
0.163405306	2.511886849	6.684037137	7.650684782	5.452314087	1.40319957	0.40261103
0.04622357	0.762790212	7.951934988	10.87215409	5.479074767	1.984304751	1.234192559
0.028818137	0.555256165	4.75645018	5.471662967	4.091125307	1.337446927	0.55346935
0.187892414	3.426859544	4.054733828	4.83457591	3.468888417	1.393696	0.285195425
0.073694669	1.959618353	3.687246014	4.002825417	3.449924841	1.160264528	0.108839712
0.00265165	0.055836114	4.64548657	5.023149944	4.256541081	1.180101366	0.128814704
0.006632662	0.140328415	4.817144774	5.287554685	4.652788237	1.136427109	0.146957423
0.3088501	3.965010473	7.730193714	8.391001418	6.912926765	1.213813151	0.297197078
0.249052436	3.154837168	7.870598195	8.879009488	6.899919189	1.28682804	0.330441175
0.239440498	4.530966961	5.134769208	6.675781314	4.28152658	1.559205856	0.46637063
0.072414805	1.261851674	5.747518188	6.286195913	4.358098946	1.442416978	0.380559043
0.071513244	1.030967952	6.81538251	7.805988103	5.690226747	1.371823734	0.496655521
0.086542799	1.379579781	6.361671646	8.239936022	4.540565664	1.814737773	0.624569752
0.181337534	3.274006368	5.506900163	6.584194654	4.367926315	1.507396	0.405354835
0.250013159	4.0430439	6.089784926	8.052503349	4.95864114	1.623933477	0.678710955
0.169447534	2.354448294	7.258192435	8.093135783	6.626607745	1.221309016	0.287273876
0.128194924	2.089325459	5.96965411	6.96006579	5.409412152	1.286658438	0.328886429
0.297847518	3.74752366	8.549708161	10.00926451	7.295394921	1.371997626	0.633811638
0.132292608	2.946065005	4.534332094	5.918063544	4.168315175	1.419773528	0.265158082
0.129188409	1.148654833	11.45051857	12.056368	10.86530742	1.109620513	0.265563455
0.067062007	1.048133476	6.459563022	9.245400522	4.91186318	1.882259376	0.864717504
0.216286287	3.079832681	8.079782443	9.535220002	5.76788163	1.653158059	0.822907312
0.153438636	2.292094883	7.58936991	9.106078969	4.40059235	2.069284825	0.996886552
0.153251253	2.092478444	7.921025273	9.659679777	6.315626424	1.529488784	0.832452737
0.049122708	1.009074424	4.79967442	6.370809274	4.235369013	1.504192257	0.404875775
0.12820553	1.759348323	7.188201148	9.616850371	5.946823871	1.617140608	0.722987585
0.014686608	0.322720616	4.455004114	4.846863719	4.169789725	1.162376052	0.162490241
0.018321137	0.345552745	5.353273655	6.411568759	4.670271709	1.372847054	0.383418337
0.034888649	0.609884162	5.742225943	6.9065334	4.945596575	1.396501574	0.456786809
0.06737667	1.317398224	5.128410209	6.52049615	4.329791339	1.505960828	0.392502054
1.069817205	14.62714959	8.656498164	9.469415355	7.497438725	1.26302004	0.416487411
0.15654637	2.495934384	6.333141586	7.248539022	5.299198276	1.367855786	0.420480086
0.040220234	0.8524868	4.80557415	6.029857929	4.258659204	1.415905251	0.330337673
0.057848406	1.277500328	4.373439919	4.731732216	4.148253007	1.140656611	0.127182162
0.032912285	0.411382131	8.026324943	8.618355193	7.557391237	1.140387592	0.315241529
0.23985062	3.509764883	7.495712109	9.062164219	6.424635052	1.410533695	0.460382436
0.374773665	6.709267121	5.837525904	7.013096409	4.793675596	1.462989364	0.467464345

0.036649344	0.620574271	6.032230888	6.63484877	5.479920593	1.210756371	0.272940837
0.121169818	1.949901417	6.023517026	6.845432106	4.975839234	1.37573418	0.354375548
0.111910255	2.005722662	6.023869853	7.497007696	4.323573496	1.7339841	0.778096968
0.002899138	0.045759334	6.44381165	7.342477658	4.987026254	1.472315822	0.43770499
0.003008739	0.077521059	3.899938713	4.64384555	3.322933492	1.397513842	0.21904156
0.162189082	4.193327276	3.670649828	4.018490517	2.969836148	1.353101759	0.193208444
0.118192898	2.045419314	5.56462245	6.866663501	4.992085407	1.375510021	0.370627134
0.09022329	1.779989781	4.970563892	7.48523411	3.959941152	1.890238724	0.756049397
0.088918678	1.883992134	4.77799837	5.349937875	4.35291463	1.229047277	0.239648772
0.056200847	1.266896851	4.384870483	4.686411672	4.038963008	1.160300716	0.111206377
0.135248314	3.212334418	4.32214997	6.357731021	3.903796832	1.628601921	0.480413999
0.392868528	8.630987052	3.987457903	4.302823663	3.674979039	1.170843049	0.118536917
0.14711003	3.093964862	4.517477153	7.599249336	3.60257305	2.109394933	0.92732115
0.043556599	0.664007675	6.319746368	7.521938287	5.648093752	1.331765834	0.347451168
0.069855079	1.675443121	4.056635454	9.563024806	3.717455908	2.572464891	0.980010382
0.040676318	0.805334083	5.604064304	6.858708402	4.700616958	1.459108126	0.45532391
0.050505102	1.142050282	4.374637747	4.660672695	4.097262602	1.137508905	0.127101692
0.145833703	4.218571492	3.441558135	3.717507511	3.065911202	1.212529413	0.127125886
0.012204663	0.26045171	4.612190177	5.000837629	4.204378338	1.189435685	0.117357553
0.073433039	1.285746396	5.788200068	6.423701498	5.346389323	1.201502754	0.211440342
0.025012724	0.343168827	7.413416007	7.855140465	6.540642049	1.200973911	0.309134309
0.143372971	2.365599441	6.39909025	7.711972553	5.33336638	1.445985894	0.477119793
0.371219746	4.571763259	9.727843237	10.91613803	8.075244767	1.351802743	0.593024921
0.436511158	5.92062703	7.496961153	9.733687666	4.905110526	1.984397215	1.004621077
0.254671578	2.82073928	9.18391754	9.795029504	8.162821747	1.199956315	0.353711691
0.173421474	2.752923233	6.58991779	8.102496552	5.963614017	1.358655428	0.353106476
0.047977195	1.050660444	4.441881683	4.732041199	4.246527413	1.114331956	0.126631506
0.021686965	0.450649637	5.062918706	7.933296444	4.200945084	1.888455166	0.817455256
0.085524565	1.380006773	6.305965792	7.48236816	5.578800736	1.34121445	0.45042969
0.041401102	0.972426127	4.278066664	4.617074342	4.039530298	1.142973069	0.214149774
0.176196868	3.205950217	5.174833679	8.102496166	3.899609233	2.077771305	0.797836835
0.138706066	2.833451946	4.715223766	5.253705831	4.454139697	1.17951079	0.233411076
0.248795521	4.007583209	7.153595047	7.840254907	6.251019831	1.254236128	0.371057571
0.123114362	1.561155961	7.701576184	8.448263816	6.853876457	1.232625634	0.386202341
0.021814244	0.448044455	5.100308154	5.684746382	4.731242586	1.201533483	0.221634805
0.095485343	1.28831934	7.451651687	8.379627291	6.587836345	1.271984739	0.371084808
0.114664436	3.063215578	3.814028977	4.101170192	3.569059624	1.149089851	0.093227458
0.383793991	5.035074037	7.7796019	9.715816115	6.461370442	1.503677308	0.669193361
0.067157467	0.825524431	8.447396736	9.751483302	7.577842627	1.286841623	0.471410475
0.096173593	1.666556823	5.722740852	6.211304785	5.31270772	1.16914107	0.227679799
0.012780955	0.188306605	6.820342116	7.763172951	6.318172435	1.228705457	0.329857017
0.021340483	0.346185516	6.565118561	7.490184088	6.075527463	1.232845071	0.321471779
0.091754176	1.855721219	4.999338568	5.352680123	4.603240813	1.162806888	0.146549073
0.031126841	0.651100192	5.092000534	6.405028174	4.453195389	1.438299382	0.404129741
0.020074762	0.371290005	5.427539516	9.090960933	3.936832812	2.309206758	1.09495475
0.095279103	2.290291352	4.235817741	4.571703946	3.890190655	1.175187633	0.134461528
0.09641401	1.61519261	6.095748391	6.943871757	5.496213622	1.263391898	0.275584441

0.397026316	7.10061113	4.243403164	5.541186003	3.918701631	1.41403621	0.355145329
0.164062915	2.028914612	8.782382539	10.53300106	7.378382682	1.427548762	0.719208324
0.26110625	3.398950155	7.936811468	9.007940417	6.913228238	1.303000582	0.482235748
0.079853569	1.865772708	4.216018059	4.387815569	3.973722731	1.104207784	0.09479707
0.125030621	1.426607506	8.013132552	11.52073536	6.167734473	1.867903914	0.859205484
0.047365548	0.612804269	7.963244169	8.643131125	7.044992764	1.22684741	0.305306146
0.02797668	0.388361319	7.971947196	9.641983581	5.456678537	1.767005975	0.871757698
0.247430805	4.186099607	5.9636668	6.909065813	5.081679978	1.359602699	0.416552608
0.132292608	3.068280492	4.747765276	6.765848359	4.287386198	1.57808232	0.506761565
0.020583878	0.225693435	10.25747378	12.85111052	7.081365903	1.814778491	1.248980728
0.017903944	0.231709291	8.958267759	13.12660506	5.737845625	2.287723637	1.748374935
0.018599265	0.293096335	6.455556429	7.954784791	4.940516831	1.610111869	0.534531945
0.195755441	3.080133609	6.410932427	7.24760094	5.975599244	1.212865964	0.238258592
0.085460926	1.687760954	5.034856752	6.508819475	4.583507557	1.420052088	0.339964466
0.059870731	1.391774648	4.361777222	5.240583781	3.574495825	1.466104323	0.263626393
0.026042743	0.492434915	5.448650572	6.485450869	4.967442737	1.305591471	0.271355309
0.014951773	0.263405241	5.423810727	5.677259897	5.210423296	1.089596675	0.117487241
0.109873787	2.054538595	5.546859307	6.672759254	4.279728965	1.559154636	0.491634186
0.059481822	1.571553272	3.813652345	4.180538249	3.544711811	1.179373239	0.123942059
0.002031753	0.050851186	3.93170783	4.984100795	3.798450416	1.312140544	0.199918657
0.053559803	0.513774283	10.58071292	11.88731724	9.859675608	1.205649934	0.398167335
0.138688389	1.233895195	11.19510479	12.25507131	9.937948781	1.233159033	0.507097512
0.13879799	4.109538398	3.317774049	3.608324113	2.959916343	1.21906287	0.11901531
0.18700853	2.564770846	7.565094272	8.160233736	6.701355417	1.217698992	0.322202301
0.04010474	0.568662768	7.069161235	7.964640034	6.528731229	1.219936884	0.343821809
0.125440743	2.364841561	5.093432555	6.588825956	4.556070466	1.44616419	0.396335945
0.074249748	1.432771181	5.12497736	5.610555059	4.893600151	1.146508682	0.144895143
0.064425913	1.453920431	4.480294092	4.958347339	4.020471928	1.233274956	0.181567431
0.293428101	5.198083348	6.599766952	7.56890439	5.053615544	1.497720656	0.457113994
0.094243192	1.489947948	6.428576884	6.984293483	5.876181536	1.188576874	0.264529188
0.175411979	3.104921224	5.710181441	8.825049562	4.988264082	1.769162462	0.735466715
0.032779113	0.666460991	4.812865444	6.146024011	4.050283814	1.517430455	0.413586743
0.154783317	2.190607311	7.46885732	9.34106732	6.367641339	1.466958772	0.586499034
0.053853252	0.643736335	8.151201793	10.30867752	6.349951518	1.623426178	0.763098986
0.008230723	0.12932228	6.314481786	7.588452878	5.66137481	1.340390476	0.351789745
0.203070461	2.605372201	7.856514986	8.363450057	7.52942275	1.11076909	0.200991798
0.06470027	0.843504147	7.825181996	8.975503598	5.890616417	1.523695139	0.529322415
0.01324411	0.255667741	5.237321174	5.751207532	4.753948426	1.209774911	0.221938588
0.464873211	7.496716312	5.897028656	7.844621219	4.934842752	1.589639552	0.525839187
0.335974716	5.519762861	6.387304811	7.77694907	5.411735769	1.437052621	0.544530306
0.2220386	3.776719017	5.889700264	6.759206933	5.351296234	1.263097133	0.252902827
0.119416193	3.140452888	3.71520629	3.988512092	3.453035034	1.155074319	0.09902797
0.083176971	2.368347346	3.412462042	3.706192759	3.13400267	1.182574857	0.097752407
0.047340799	1.397683044	3.408222262	3.620031867	3.071583288	1.178555659	0.103802019
0.300576951	5.38470431	5.016662813	8.088485028	3.193246922	2.532997048	0.944889728
0.05999801	1.273102566	4.715114765	6.269375631	4.376734758	1.432432162	0.418269675
0.394311025	9.799816684	3.786967288	4.056971287	3.306387353	1.227010285	0.126117317

0.041627376	1.030583111	4.04984933	4.302316173	3.814729606	1.127816809	0.111079307
0.262718453	5.173794045	3.639798289	3.908201621	3.395862694	1.150871508	0.108921491
0.260309576	6.574191782	3.554091792	3.829103786	3.133779299	1.22188049	0.099955222
0.061610214	0.892442994	6.866641301	7.281970872	6.3762334	1.142048983	0.202851254
0.315850457	4.581097484	7.177820559	8.735888429	5.963142329	1.464980701	0.625545731
0.124981124	2.328633713	5.265909779	7.586011261	4.654493003	1.629825473	0.458737176
0.139978858	2.735739314	5.169272031	5.513960091	4.846035637	1.137829043	0.190911863
0.189228846	3.285132533	5.978047728	6.588593011	5.42353115	1.214816109	0.266449916
0.080893016	1.376293117	5.902632793	6.489916184	5.074592903	1.278903807	0.290581568
0.348638998	4.74664247	7.382439882	8.014325108	6.147910982	1.303585093	0.454555245
0.027340284	0.417312838	6.559697404	7.722734679	5.9237212	1.303696514	0.386792527
0.008831764	0.159556874	5.94386218	6.924523411	5.091540118	1.360005666	0.374412834
0.053443131	0.871265194	6.027458769	6.954096633	5.619620928	1.23746721	0.263618797
0.287085353	4.282094742	6.59407577	7.056079071	5.949625734	1.185970242	0.284519289
0.215354084	3.692580579	4.587085261	4.955747999	4.231452844	1.171169379	0.136451716
0.043960829	0.398995249	10.86525223	11.49699263	9.855171749	1.166594852	0.337793943
0.410588624	5.741268208	7.452767051	8.498220951	6.170328978	1.377271938	0.528480922
0.084435621	0.959006303	8.386173202	8.954561693	7.604615616	1.177516675	0.346525483
0.010354872	0.181831469	5.702950225	6.610901794	5.168514835	1.279071843	0.247740525
0.027467563	0.496092661	5.809637127	7.248921583	4.969829337	1.458585616	0.4697871
0.226889353	5.358485854	4.281836898	6.063850522	3.874437586	1.565091807	0.467248631
0.532023607	6.800540685	8.378237286	9.388800828	7.183796113	1.306941439	0.533112435
0.086069037	1.274470135	6.889723907	7.753646063	6.481320555	1.196306524	0.269672284
0.009461089	0.188989777	4.670813331	4.936875567	4.368539793	1.130097424	0.101028406
0.020581521	0.401563502	5.258417879	5.651288484	4.913363285	1.150187388	0.177679061
0.337520923	5.949497481	5.664547878	8.019027419	4.515379468	1.775936547	0.6055644
0.066057915	1.518472875	4.416620066	4.732614491	4.163665725	1.13664612	0.101133153
0.413947381	7.629577541	5.686460652	6.250203709	4.1831687	1.494131401	0.325106351
0.016136177	0.195466358	8.162440036	8.843263373	6.60576623	1.33871879	0.397544408
0.123213357	1.893961411	6.743142897	8.722223616	5.519013965	1.580395279	0.66756297
0.12986016	3.195450228	4.047066749	4.437332273	3.63676315	1.220132324	0.14815714
0.080157625	2.677659871	3.180790561	3.433547669	2.927714936	1.172773902	0.07905087
0.139261145	2.103280552	6.581887493	7.462730338	5.896017263	1.265723963	0.300914194
0.063540615	1.710669726	3.643641105	3.919772808	3.25962901	1.202521145	0.129145872
0.264719566	5.377149232	4.553778155	4.996919397	4.30413166	1.16095877	0.159130067
0.073128983	0.952149056	5.980891144	7.983651709	3.261634937	2.447745337	0.771613187
0.148902546	2.221947812	6.934769145	8.09253751	5.182065669	1.56164318	0.537580642
0.021340483	0.477905675	4.405836889	4.771004443	3.960912734	1.204521474	0.135846584
0.030550548	0.63083052	4.877396692	5.131253052	4.602562383	1.114868768	0.113478521
0.027471098	0.399993586	7.22609242	8.78361835	6.140515773	1.430436575	0.613747806
0.123015367	2.633010289	5.223304947	8.305155001	3.317601592	2.50336117	1.28292587
0.172675476	1.975930399	8.312294876	9.13984029	7.78111588	1.174618195	0.293264962
0.074072971	0.792817002	9.474984452	10.392194	8.780776648	1.183516495	0.322474849
0.122011275	1.64831977	7.316350548	8.745105703	5.425129274	1.611962639	0.786220681
0.004642156	0.104098044	4.313627287	4.568896898	4.080546023	1.119677826	0.099974344
0.282054288	3.602306958	7.859510863	8.955717605	6.793172018	1.318341061	0.487256554
0.36116186	7.812790861	4.293904284	6.807780551	3.776671341	1.8025875	0.461098814

0.071948115	1.259493924	6.295167806	8.684651969	4.741463973	1.831639346	0.780319352
0.02829311	0.430588631	6.697553653	7.660692524	5.865237789	1.306117978	0.344091455
0.676687047	10.56853914	6.695164851	8.741677888	5.14100903	1.700381742	0.686851404
0.492224101	7.586445997	6.266242485	8.56178022	4.180830797	2.047865756	1.013458614
0.359471874	7.766053383	4.242495374	4.55113227	3.940143721	1.155067579	0.123940272
0.010776307	0.2981599	3.598330531	3.847141183	3.400935304	1.131200931	0.083794985
0.212337095	2.315998566	10.71041629	12.06930568	9.309774831	1.296412201	0.690104583
0.340790113	5.091315898	7.276055457	8.665360085	6.5324101	1.326518077	0.451885844
0.028065068	0.610167388	4.793136855	5.753991184	3.776676411	1.523559489	0.449504864
0.001209153	0.026365479	4.443828824	4.785694667	4.099643018	1.167344241	0.119460907
0.146392317	3.070898666	4.570052527	5.003774486	4.042846265	1.237686065	0.241038885
0.026631998	0.527300174	5.018871646	5.273685693	4.796391625	1.099511071	0.125525011
0.125504383	2.991345366	4.231565315	4.519995192	3.963693089	1.140349439	0.120394335
0.14051626	3.803900668	3.76010379	4.301309597	3.283499813	1.30997711	0.157509133
0.023398163	0.320923574	7.042988633	8.394551343	6.04735263	1.388136571	0.437631269
0.100048538	2.054841337	4.808835986	6.664025025	4.240299451	1.571593021	0.518644529
0.003998689	0.058290402	6.477381659	7.812399566	5.50859833	1.418219136	0.503101815
0.155931187	2.415296256	7.029330992	8.510525138	6.096273192	1.396020958	0.481676555
0.099122229	1.753524994	6.354464726	11.00602481	3.108053417	3.541131164	1.880680338
0.101565283	1.741906384	5.875069735	6.492147709	5.130529295	1.26539531	0.300966324
0.122317688	1.437409097	8.531798296	9.396565575	7.721770418	1.216892638	0.371294912
0.008464068	0.177032744	4.866522561	5.336416969	4.301337882	1.240641195	0.18916761
0.030486909	0.67726439	4.413856788	4.752403198	4.236898405	1.121670322	0.110490513
0.048705515	0.810292459	6.24483375	8.386259235	5.330388622	1.573292274	0.519355833
0.153046192	1.711531782	9.007636366	9.469377037	8.473874949	1.117478968	0.204376864
0.019741007	0.42422816	4.490371164	4.815290629	4.244343301	1.134519592	0.155794622
0.104598771	2.377117551	4.067851655	5.120457747	3.43241053	1.491796422	0.428741221
0.175839072	2.875497376	6.277941258	7.102444764	5.001545525	1.420050008	0.463303601
0.179962211	2.148473726	7.662135936	9.023151167	6.899899512	1.307722113	0.438454538
0.095391062	1.167161322	8.792881097	11.17087464	7.701548475	1.45047125	0.669959403
0.011333743	0.184725811	5.987108745	6.973218308	5.43558887	1.28288185	0.282780827
0.055907398	0.888808847	6.086498853	7.047207994	5.289497972	1.332301861	0.390132845
0.332562926	4.273841835	7.745288275	8.618275413	6.705083125	1.285334611	0.34695646
0.117867629	2.091926377	5.336148309	6.96558344	4.744400993	1.468169206	0.509280016
0.114634973	1.423027915	8.100079857	8.808858678	7.379336587	1.193719594	0.323506558
0.028998449	0.422145813	6.506966485	6.953520786	6.038665331	1.151499612	0.180473174
0.022160727	0.425610354	5.206658839	5.779487	4.854354939	1.190577754	0.163206989
0.163886139	2.18617523	7.601733071	10.19090702	6.229330679	1.635955377	0.7999543
0.016826784	0.239781241	7.246263235	7.725594943	6.236978457	1.238675906	0.269262446
0.176064285	3.619069149	5.659103699	8.582005006	3.432983752	2.499867645	1.037578571
0.188029121	3.612353821	4.675407583	5.022128615	4.320092063	1.162504998	0.160752295
0.062097332	0.677575639	8.939091603	9.988117874	8.352251086	1.195859388	0.357777791
0.007636753	0.188298107	4.034675988	4.230658753	3.805767255	1.11164411	0.090810839
0	0	3.80136568	4.266188248	3.52258629	1.211095456	0.126853472
0.279066762	5.126992405	5.237908991	6.489072624	4.769268053	1.360601365	0.292304111
0.124587501	1.371884926	9.006129513	9.563184904	8.684678072	1.101155947	0.23029037
0.17508671	2.086268101	8.434475635	9.288155978	7.612109072	1.220181672	0.326000663

0.25660198	2.679195823	9.730509547	10.78858308	8.977935026	1.201677563	0.412177897
0.035765461	0.613176814	5.97405751	6.516657762	5.317140793	1.225594359	0.292299982
0.225086231	3.236420184	7.58399369	8.518297022	6.444458679	1.321801791	0.484457997
0.094002775	2.160411181	4.288842344	5.517646294	4.029419289	1.369340319	0.240388212
0.262051416	3.233305907	8.183161775	9.305116986	7.493007652	1.241840049	0.380029985
0.051784965	0.859806025	6.26793864	7.565545236	4.518171046	1.674470745	0.472681807
0.072572726	1.01264821	7.221574553	8.66786288	6.535572379	1.326259182	0.52095762
0.205909495	3.062037514	6.736480328	7.278573957	6.167975044	1.180058918	0.225792827
0.01946665	0.252501756	7.932803323	8.763462709	6.774634591	1.293569799	0.397294281
0.058180746	0.738306936	7.984582352	8.551680742	7.508536714	1.138927739	0.294887281
0.282510372	3.722413358	7.362735178	8.494333474	5.148510645	1.649862273	0.720516908
0.114855354	1.318002413	8.57039049	9.670759662	7.462976463	1.295831457	0.44233007
0.407576349	6.052033618	6.376835396	7.751457148	5.728551691	1.353126858	0.347718508
0.049267665	0.880356038	4.412133619	4.669804891	4.237265181	1.102079925	0.089099527
0.055069476	1.172147271	4.802318794	5.175135591	4.326861581	1.196048335	0.150407848
0.389555732	6.521093288	5.496250641	6.456642794	4.406101286	1.46538683	0.454500296
0.048019622	1.090387683	4.291847286	4.592945471	3.988755181	1.151473395	0.137167627
0.187411581	3.295518412	5.663921389	6.627851708	5.105382504	1.298208646	0.338834401
0.203469976	2.285475201	8.649581207	9.483516459	7.25487278	1.307192662	0.461590515
0.032402461	0.743981005	4.339304972	5.034478698	3.947783392	1.275267206	0.211968404
0.078644416	1.541890235	5.814821404	9.133159501	3.121616755	2.925778601	1.100515285
0.155719055	2.75885297	5.663780212	7.888229587	4.147839732	1.901768173	0.666842328
0.266218632	6.027456277	4.241995368	4.577110871	3.940458917	1.161567971	0.147128958
0.061313229	1.22987898	4.777549895	5.015200831	4.618818879	1.085818899	0.124939172
0.148998005	2.74118714	5.681901923	7.229164705	4.662888372	1.550361949	0.4781809
0.064686128	1.295657804	4.052885247	4.26150284	3.873561835	1.100150978	0.085367125
0.19157644	4.065317857	4.65226447	5.005631639	4.261292238	1.174674573	0.145438435
0.047899413	0.890930825	5.978393418	8.682558068	4.859824826	1.786598978	0.708983118
0.01390879	0.311359061	4.372302841	4.94799749	4.053050985	1.220808104	0.214677726
0.069526274	1.14991552	6.038863644	7.017302868	5.510182464	1.273515517	0.37773665
0.220094057	3.552530775	6.01659971	6.452296299	5.588707545	1.154523876	0.190131897
0.1643599	1.922788485	8.633896742	9.493164403	8.111152767	1.170384121	0.321045137
0.136181695	1.768118369	7.820386428	8.723461086	7.011550614	1.24415576	0.338758028
0	0	5.380489076	6.309172236	5.037105316	1.252539274	0.208773992
0.13012179	1.327139904	9.947573188	10.63207647	9.182440449	1.157870452	0.322587691
0.102601194	2.231521925	3.999733257	4.457399693	3.782028114	1.178573918	0.207740997
0.041800617	0.386867621	11.23346657	11.88768244	9.950867415	1.194637808	0.427202616
0.088063079	0.891548396	10.0610828	11.07053742	9.357854942	1.183020841	0.357330226
0.214840253	3.001422271	7.450693462	9.407098582	4.389675851	2.143005293	0.940646804
0.030257099	0.417993803	7.154133575	7.923507488	6.503536739	1.218338238	0.291497179
0.095317994	1.690821566	5.66070849	6.025740818	5.274967106	1.142327658	0.154310819
0.09950937	1.481436058	7.056507038	9.021040287	5.655374636	1.595126913	0.675440448
0.035334126	0.753738942	5.315056856	7.55342238	3.433626961	2.1998378	0.955667329
0.212860354	3.673361288	6.042058509	6.889002727	5.452188939	1.263529713	0.333611106
0.002782465	0.07154966	3.770750607	4.134128487	3.341688017	1.237137777	0.143926586
0.150953156	3.289549674	3.347729945	6.148307781	3.016705546	2.038086809	0.485008456
0.027167043	0.643833792	3.802072894	3.970573885	3.544470964	1.120216225	0.09364002

0.00417193	0.047840286	8.827197432	9.719647761	7.482795946	1.298932622	0.394348909
0.033138559	0.851976829	3.896910375	4.315790238	3.710069912	1.163263858	0.114452799
0.184728111	4.223737019	4.355438462	6.744037229	3.648461699	1.848460471	0.579181634
0.025052793	0.62409548	3.889390218	4.187814941	3.545403395	1.181195614	0.11968285
0.013599078	0.290675559	4.629993541	4.851421847	4.339080757	1.118075952	0.106090525
0.342246753	8.26934537	4.128314967	7.81579811	3.632335588	2.151727978	0.794482655
0.128612117	3.17697213	3.983816873	4.114331877	3.804078285	1.081558151	0.069739491
0.159307622	3.018600382	5.713968761	6.359645495	4.681851765	1.358361139	0.363077746
0.057494852	1.395703827	4.133945051	5.004058572	3.761322973	1.330398535	0.201030649
0.412250324	5.574940439	7.605120149	8.467521164	6.705661154	1.262742177	0.374347509
0.005863683	0.07287372	8.078354718	9.149842751	7.470417866	1.224810033	0.359844836
0.11177944	1.799270485	6.176681608	7.713379507	5.617699689	1.373049457	0.368548387
0.083551737	1.719347144	4.748306819	5.552413865	4.455813621	1.246105501	0.181021274
0.140855671	3.460987895	3.963495462	4.27484826	3.740606341	1.142822278	0.094610866
0.18402454	3.712529982	5.112674023	7.834853409	4.752550621	1.648557592	0.473199962
0.059906087	1.251135211	4.916310957	7.16280732	3.435951741	2.084664704	0.759398594
0.145996337	3.115740434	4.394849926	5.156510951	4.104935393	1.256173474	0.201885298
0.125744799	1.751513338	4.667177711	5.220264674	4.320713754	1.208194981	0.203403038
0.052090789	0.710111054	7.20403489	7.560328698	6.484860649	1.165842893	0.219916517
0.056165492	0.830177947	6.610097949	7.23058738	6.12920942	1.179693315	0.244510966
0.068506862	0.984657702	7.00133906	7.534492657	6.356773793	1.185269903	0.264442093
0.058548441	0.858401922	6.733034344	7.369280115	5.860563607	1.257435395	0.332831251
0.08072331	1.06226938	7.541972097	8.45406783	6.802099066	1.242861615	0.329364722
0.130475343	3.222968387	3.839258585	4.245089071	3.521467333	1.205488698	0.184114922
0.049009571	0.656360003	7.251163066	8.634153137	5.8165366	1.484414821	0.513028494
0.192955298	2.670561919	7.798069066	9.177706333	6.885870394	1.332831698	0.57327043
0.243513433	3.931532264	6.549946726	7.328939452	5.266735838	1.391552506	0.36672197
0.035793745	0.601605725	5.677403642	6.022301576	5.048119977	1.19297909	0.177851681
0.327623785	3.593991041	9.891006636	11.03547213	8.578113258	1.286468457	0.493396567
0.198576797	3.201390233	6.433605706	8.268006484	3.440813029	2.402922337	1.392532407
0.036847334	0.548091312	7.064002595	8.540336997	5.7400882	1.487840726	0.505857855
0.210838029	3.321952948	6.62329608	7.269440969	6.268931093	1.159598161	0.207088276
0.18819647	2.730435548	6.765723192	7.19011979	6.156830196	1.167828178	0.215585631
0.087136769	1.129961587	8.123302836	9.113677212	7.051475774	1.292449624	0.392962509
0.038593888	0.593366524	6.763952629	7.523840086	6.161235368	1.221157712	0.300527261
0.03125412	0.40535541	7.818753555	8.532857747	6.657960542	1.28160233	0.337555132
0.172529341	2.330885346	7.538564321	8.728098488	6.900860969	1.264783993	0.408103267
0.007771104	0.12882776	6.174125709	6.849875746	5.394395875	1.269813322	0.292689637
0.046425096	0.742041651	6.675636129	7.490160286	5.958887474	1.256972936	0.396352931
0.2685238	3.780276502	7.046278229	7.876107663	5.932596663	1.327598708	0.33271355
0.177809071	2.842653716	6.476213193	7.290402959	5.713573895	1.275979465	0.358214054
0.208904092	2.550127843	8.518279948	10.08445118	7.455443111	1.352629351	0.591500915
0.038579746	0.528357753	7.543622928	8.093477287	7.021565365	1.152659965	0.278805308
0.133134065	2.653105181	4.765381782	5.810240732	4.241055739	1.369998673	0.287491045
0.075151309	1.714193256	4.262282028	4.446184698	4.040799462	1.100323028	0.111247551
0.409973441	6.092640887	6.860543563	8.344850143	5.062793519	1.648269895	0.592917629
0.070007107	1.18450676	6.337212407	7.757590886	5.300087523	1.463672223	0.588577566

0.057912045	1.608677751	3.704776509	4.000142295	3.403230897	1.175395504	0.109857999
0.036773088	0.509987441	7.284001691	7.817513879	6.91750542	1.130105928	0.193609883
0.081083935	1.054085422	7.551689859	8.153432319	6.851036697	1.190101977	0.298896781
0.042175384	0.4944449786	7.778308171	8.407327262	6.521385763	1.289193366	0.325412861
0.032183965	0.90005737	3.562254454	3.836477382	3.081175329	1.245134396	0.118700156
0.353334187	4.996963928	7.366092554	8.36953687	6.521094235	1.2834559	0.306707281
0.093507801	2.464150363	3.661632394	4.088302489	3.39011096	1.205949462	0.130952247
0.186768114	2.846944684	6.459588163	7.446232869	5.463727507	1.362848506	0.356131217
0.114006826	3.562569399	3.121225007	3.356456317	2.950707185	1.137509114	0.078681215
0.011271282	0.216289637	5.289488483	5.753592761	4.596821983	1.251645764	0.243509409
0.087843875	1.465678079	6.037550082	8.746253549	4.344923147	2.012982337	0.998711835
0.015358359	0.299232076	5.186193975	5.775097535	4.805938584	1.201658622	0.238638901
0.257443437	4.535415952	5.774596848	8.502925229	5.09047215	1.670360819	0.691099869
0.032463272	0.665926581	4.860950269	5.257626805	4.482858156	1.172829169	0.153556424
0.224174063	2.694717248	8.573769799	10.28789893	6.980249713	1.473858293	0.696146719
0.470445213	5.742005464	8.723820637	11.08226058	5.509277584	2.011563297	1.086573046
0.212860354	4.272759973	4.882832292	5.371893449	4.555619355	1.179179609	0.164506106
0.191427948	3.32803414	6.265221493	9.178831415	4.411637101	2.080595299	1.169833404
0.050462675	0.836075929	5.85372485	6.555392083	5.378683668	1.218772564	0.22773263
0.130698082	1.368010917	9.270801235	9.894582455	8.154024804	1.213459941	0.322766583
0.044501765	0.610386013	7.804044847	9.310393078	6.487061458	1.435225046	0.625945174
0.194680639	4.114976669	4.461608013	5.683622369	4.011645263	1.416780896	0.313870288
0.188677302	2.174896601	8.843204961	10.69686707	7.670068116	1.394624782	0.485327331
0.040708137	0.504246695	7.67816483	8.693421913	6.861987568	1.266895608	0.400220992
0.012129238	0.146137469	8.508324149	9.139969794	7.982702677	1.144971843	0.283797464
0.058824213	0.63796899	9.47944576	10.09921491	8.956231707	1.127618761	0.248128266
0.037339952	0.502372262	7.798011745	8.597020195	7.194040285	1.195019746	0.298126628
0.110955661	2.561139903	4.210443504	4.38858134	3.838902223	1.143186537	0.103320794
0.033258767	0.757804574	4.426036577	5.228359214	4.038729598	1.294555401	0.185897914
0	0	4.057641481	4.418041037	3.769725875	1.171979391	0.125464999
0.023207245	0.326687066	7.087716744	8.607601277	6.230488181	1.381529188	0.439150265
0.755352677	15.71893188	4.247357677	8.935799233	3.72041056	2.401831489	0.870939193
0.239836478	3.952079263	5.984343336	6.670587442	5.492044665	1.214590894	0.288459723
0.061334442	1.046858965	5.770265595	8.430948993	4.747336643	1.775932407	0.684366535
0.053464344	0.811362932	6.762406334	9.243012361	5.784858489	1.597794031	0.711072401
0.02602153	0.594836502	4.262397957	4.652372893	3.993266248	1.16505452	0.132182573
0.103718423	2.669313779	3.812005612	4.301199889	3.518893758	1.222315928	0.161555539
0.033085526	0.797158408	4.085946695	4.33566296	3.680668937	1.177955158	0.135414866
0.224117494	3.33652755	6.464070147	7.900361915	5.73407076	1.377792888	0.367921133
0.027032692	0.302567774	9.429514542	10.59319929	8.58109494	1.234481073	0.430172013
0.124974053	1.839296565	6.714453031	7.540482514	5.734831371	1.314856885	0.314360136
0.149616724	1.710004211	8.95326354	9.913684933	8.151345404	1.216202288	0.327250125
0.128813642	2.207830401	5.700590807	6.976275333	5.055748948	1.379869809	0.387576059
0.069455564	1.114659564	6.245671938	6.827965266	5.909877894	1.155347943	0.1805815
0.232942187	2.509341537	9.26760422	10.03883501	8.640202685	1.161874943	0.266110425
0.226778392	4.350691164	5.322232508	6.152799031	4.551929954	1.351690183	0.319283749
0.164107699	3.04152315	6.983559382	9.110167691	5.509733357	1.653467981	0.738553595

0.716467461	14.51396293	4.429295085	4.720326553	4.199594544	1.123995782	0.130320308
0.159714209	3.765816762	4.150008466	4.509408775	3.776356436	1.1941163	0.163865236
0.011485771	0.226390661	5.022216601	6.159715512	4.378287366	1.406877849	0.39040262
0.349218826	3.908619049	9.322886264	10.80931597	7.74613154	1.395446993	0.699935934
0.345315597	3.540261391	9.675967444	10.30818551	8.876273396	1.161319063	0.322043661
0.007983236	0.145297844	5.745117585	7.398117773	4.891737764	1.512370068	0.509427255
0.187266624	2.58021755	7.462639032	8.129097194	6.614657012	1.228952186	0.310423068
0.071799623	0.740286224	9.706142803	10.26304039	9.209787327	1.114362366	0.232571868
0.305081221	5.089608127	5.750596721	6.303800095	5.334155158	1.181780415	0.247629374
0.123524484	1.993647331	6.204050468	6.772762706	5.6861826	1.191091314	0.269021197
0.072651686	1.334890827	6.043323092	7.48570877	4.94029918	1.515233895	0.519915508
0.020972787	0.271539081	7.833618842	10.12248579	4.931503988	2.052616365	0.965350463
0.028468119	0.341883807	9.019312765	10.34533553	7.093931397	1.458336	0.601571822
0.256807041	6.673928976	3.989598345	4.304984088	3.724600682	1.15582433	0.142673052
0.027860007	0.500486511	5.519739869	5.945777476	5.177195629	1.148455245	0.197026628
0.108774236	1.268128852	8.475028299	10.78344126	7.071100198	1.525001903	0.91550241
0.012261232	0.175006859	6.935295135	8.769123445	5.071136348	1.729222573	0.744221496
0.24080875	2.637938307	9.336379929	11.77052011	7.325827754	1.606715378	1.098096817
0.128540228	1.561016607	8.168227986	9.958168445	7.379247849	1.349482854	0.45801816
0.066289847	1.048320324	6.560188803	7.33492657	6.069023215	1.208584365	0.303805403
0.030522264	0.562032276	5.548711849	6.097003901	5.23277761	1.165156319	0.183990425
0.145260946	2.543445299	6.086012483	7.568737795	5.357826196	1.412650862	0.490326014
0.103584072	1.29146495	8.338567547	9.042404184	8.043763813	1.124150882	0.239036936
0.195423101	2.599600031	7.943863966	9.525340093	7.042706607	1.352511275	0.576518253
0.084018428	2.008434188	4.180097788	5.678041919	3.731546764	1.521632256	0.514811273
0.240586011	3.863484977	5.943620698	6.701565671	5.169603741	1.296340301	0.33435984
0.016373058	0.343665807	4.560732819	7.415323911	3.718736591	1.994043872	0.692794016
0.066206408	1.023471135	6.281717842	9.256787387	5.02766772	1.841169286	0.836127411
0.058721683	0.860042767	6.771499645	7.319718947	6.253594308	1.1704819	0.222474697
0.136605959	2.072621577	7.082097409	9.624214732	5.751118897	1.673450837	0.763374408
0.110923841	2.299044102	4.689998029	5.170034749	4.412039615	1.171801525	0.206679025
0.101858732	2.172671439	3.548912193	3.955206061	3.309188499	1.19521933	0.111874457
0.315272986	5.980690893	4.716196692	5.910860526	4.291662124	1.377289347	0.352449732
0.040234376	1.149878385	3.620913476	3.828491406	3.365149641	1.137688309	0.104102311
0.258284894	6.29655237	4.216486761	4.533495425	3.917694586	1.157184493	0.129248112
0.178608102	2.150944854	8.449332264	9.995938252	7.208269181	1.386732099	0.570773997
0.099341432	1.106242879	8.937044908	9.574209941	8.097478122	1.18236935	0.336555881
0.024685098	0.337979748	7.497692965	8.027289806	7.097236333	1.131044456	0.253050932
0.193987674	2.711608277	7.437411264	7.943452515	7.080067363	1.121945895	0.186293836
0.225052643	2.83760229	8.104111307	9.714154164	6.530375397	1.487533805	0.618297932
0.227988904	2.731155882	8.650905466	9.51050158	7.433700245	1.279376524	0.42002693
0.118970716	1.164530086	10.2597992	10.81621704	9.47207729	1.141905488	0.277113558
0.123927534	1.679222011	7.470231906	8.176273119	6.950929041	1.176284936	0.283443224
0.216204969	4.788371545	4.346359868	4.805454004	4.174998718	1.151007301	0.159779381
0.088345921	2.31761432	3.753685952	4.203682719	3.387277449	1.24102108	0.144575286
0.077173634	1.850248386	4.060114526	4.455611826	3.865226014	1.152742895	0.115239623
0.017437253	0.350806326	4.937031534	5.300269305	4.65522789	1.138562801	0.142519661

0.048203469	1.115645506	4.219034751	4.864740613	3.900481883	1.247215282	0.204486359
0.323671058	6.187450228	4.85387846	5.300842381	4.601694583	1.151932682	0.182897352
0.068186307	0.980377446	5.715862017	6.296706933	5.491612666	1.146604343	0.175541343
0.157833305	2.752162324	4.909462997	5.325510547	4.598698591	1.158047313	0.170474396
0.001548564	0.030782326	4.201472446	4.938416628	3.844029214	1.284697996	0.178492664
0.120429713	2.066593953	4.771694664	8.630737172	4.242232911	2.034479802	0.708502666
0.045438682	0.774654981	5.392057979	9.168907321	4.34675027	2.109370622	0.726291296
0.036009413	0.863006773	4.289376569	4.601287853	4.1241783	1.115685967	0.095616181
0.149369236	3.098177595	4.665131284	5.069588691	4.322813621	1.172752086	0.170793254
0.029620703	0.735282942	4.111621967	4.52162462	3.69625624	1.223298475	0.153629101
0.17826162	2.240939761	7.799090016	8.787230938	7.202074885	1.220097136	0.415554932
0.40996637	10.95071556	3.711936368	4.145011634	3.244612474	1.277505917	0.165369982
0.682267888	10.77435426	4.640463992	7.3100083	3.346724077	2.184227959	0.792713962
0.278833417	4.205274776	6.106423137	8.823344901	4.645215216	1.899448032	1.077337884
0.225814551	3.442755794	6.393405835	6.983621011	5.907953284	1.18207113	0.264508654
0.106028894	1.936812269	5.431981482	5.773822551	5.108765914	1.130179509	0.149442751
0.111090011	2.183350879	5.050213616	5.226100343	4.640324466	1.126235974	0.103307142
0.300357747	4.141156855	6.919678786	7.735212344	6.083701238	1.27146486	0.339670189
0.109817219	1.781374813	6.234715822	7.01121082	5.337005618	1.313697478	0.295078925
0.014768632	0.290406837	4.845476878	5.199603558	4.488691637	1.158378427	0.167572843
0.077442335	1.562120888	5.041712684	5.448843358	4.903822804	1.111141976	0.130030704
0.042253166	0.98607018	4.179067289	4.509195445	3.91060397	1.153068805	0.113086575
0.063694765	1.030464269	6.258681627	6.700788459	5.900670439	1.135597815	0.180681664
0.173721994	2.511933808	6.901071874	7.651284904	6.260715813	1.22211024	0.276204424
0.078286149	1.134773923	7.707093682	8.699186787	6.358447798	1.368130566	0.430544975
0.114367451	1.192383162	9.66825438	10.48592284	8.891338478	1.179341318	0.340709484
0.04357192	1.175231091	3.676722459	4.158424805	3.290798248	1.263652309	0.160000452
0.13548873	2.653976541	4.929370114	5.545582188	4.622527476	1.199686149	0.18461622
0.014085567	0.283203356	5.24024304	6.711892675	4.085398296	1.642897996	0.676751569
0.154184634	2.538931027	6.105520436	7.439263215	5.282567797	1.408266491	0.394469522
0.058810071	1.226325046	5.170561415	6.881181063	4.783747558	1.438449872	0.439547947
0.00828022	0.217419433	3.706736096	4.207632391	3.390063341	1.241166305	0.178540232
0.149174782	2.623578973	5.642659302	6.391351542	4.367658278	1.463335988	0.397769348
0.251044121	3.405716996	7.549688807	8.600573246	6.68357466	1.286822349	0.509166248
0.137783292	1.499094619	9.396707364	10.62590299	8.643169055	1.229398953	0.43602486
0.077410515	0.825747846	9.618986843	10.83583047	8.462479701	1.280455711	0.466673169
0.025551304	0.399353939	6.549600312	7.083620098	5.947022634	1.19112042	0.262989646
0.146945628	2.030590651	7.262917006	8.141074618	6.841608323	1.189935792	0.28705548
0.017423111	0.324120937	5.250839921	6.750016414	3.553549093	1.899514046	0.583817512
0.009157033	0.092944883	9.889735607	10.85272586	9.132157459	1.188407658	0.413899946
0.063042105	0.774028927	8.35328251	9.935161786	7.616989041	1.304342402	0.476382591
0.017814377	0.294728678	6.035696386	6.435054763	5.857001252	1.098694449	0.111770603
0.148043411	2.431690562	6.24265774	6.616365084	5.854599254	1.130114086	0.208998025
0.058901995	1.312814318	4.399191129	4.654995353	4.124735123	1.128556189	0.105214421
0.045459895	1.127433012	3.907711813	4.270182197	3.623967571	1.17831689	0.134325899
0.378676895	8.726005104	3.952778293	4.130517945	3.673992783	1.12425859	0.077280885
0.244687231	4.984874017	4.922017451	7.10392855	3.988623383	1.781047712	0.688537705

0.057745875	1.761152472	3.379230974	3.577261662	3.154680953	1.133953549	0.085545746
0.024614387	0.552846737	4.340567243	4.796407459	4.015218807	1.194556932	0.153554847
0.026240733	0.591684647	4.331392317	4.659535601	4.067603002	1.14552369	0.142684617
0.032498628	0.685908942	4.617911391	5.296785589	4.320216797	1.226046247	0.197579529
0.261505765	4.681663826	5.198437671	6.458661873	4.6267511	1.395938907	0.427721993
0.071509709	1.36787149	5.056054242	5.686949407	4.70517502	1.20865842	0.266321703
0.972802154	22.99938404	3.556629402	4.159681576	3.322078686	1.252132165	0.157717142
0.033410795	0.381449276	8.634080389	9.325108182	7.499543835	1.243423385	0.334898263
0.077180705	1.876479648	4.147832963	4.693608621	3.540901535	1.325540565	0.247255177
0.008430127	0.153040338	5.185088778	5.591231749	4.438340347	1.259757322	0.225796997
0.141591062	2.23641093	6.034255886	7.883098564	4.932679274	1.598137265	0.506780956
0.113561349	1.446298297	7.51056405	8.946673781	6.504376583	1.375485209	0.509419004
0.170278384	2.654062083	7.033934625	8.156186727	5.73451408	1.422297794	0.496795335
0.008442855	0.129904117	6.531341993	8.666107374	4.757256296	1.821660814	0.819677134
0.359217316	4.124270244	9.979610595	11.15405148	7.423749782	1.502482143	0.676079373
0.064923009	0.773928686	8.902756499	10.14777671	8.332856624	1.21780287	0.377930522
0.502137739	5.83698936	10.1994667	11.28795638	7.728368388	1.460587256	0.716032274
0.001058303	0.014074811	8.785307983	9.54606804	7.658975678	1.246389653	0.458251956
0.149958492	2.258734747	6.697219273	7.808841825	5.849461615	1.334967616	0.392654838
0.152713852	2.064684179	7.469218037	8.589081092	6.657460567	1.290143742	0.333820134
0.245143314	3.699195143	6.419239924	7.509684763	5.303797813	1.415907059	0.468543933
0.25342707	3.713289397	6.415075798	7.084774504	5.756612498	1.230719369	0.314962869
0.234526106	3.081052625	7.773709794	8.875048683	7.45744509	1.190092394	0.252805061
0.344951437	4.733385332	7.266167157	7.986021421	6.222699569	1.283369273	0.279750542
0.099434141	1.46937332	6.430401532	7.317228811	6.105817145	1.198402873	0.21624041
0.168432835	3.055560637	5.221531069	5.664923068	4.910477265	1.153640015	0.186805753
0.029790409	0.482831594	6.895460236	10.83601979	4.953636149	2.187488031	1.197023693
0.017599888	0.225437808	8.445840743	9.621426326	7.313249733	1.315615722	0.501826893
0.066694312	0.923721625	7.418551427	8.660846965	5.05701777	1.712639219	0.602654687
0.05227994	0.806579041	6.43494113	7.512405556	5.553601076	1.352708892	0.333802421
0.098019142	1.578876235	6.151456123	6.852306054	5.04873445	1.357232416	0.341352845
0.423698383	5.596762788	7.76822589	9.109497256	5.661692049	1.608970812	0.693153432
0.123517413	1.818445658	6.698812818	7.761881719	5.658820954	1.371642924	0.40988633
0.141605204	2.249379386	6.66216523	7.361326297	6.220222081	1.18345072	0.301368819
0.015874547	0.367296286	4.240237686	4.48150564	3.932361589	1.139647395	0.101619561
0.310250171	4.096566348	7.862781237	9.114272676	6.760842057	1.348097263	0.43166227
0.064848763	0.689811854	9.287750672	10.02160569	8.520832368	1.176129896	0.335429528
0.214111933	3.355829369	6.334914173	7.592534684	5.140710949	1.47694254	0.502862893
0.133416907	1.558101343	8.768080073	10.5395799	7.939393194	1.327504463	0.511258495
0.07100236	1.217613921	5.76010356	7.360188041	4.768037899	1.543651329	0.576864351
0.10950727	1.732924833	6.485264429	7.694476422	5.847184213	1.315928512	0.41738629
0.052541569	0.723254594	7.281658928	8.339439604	6.433118995	1.296329138	0.418780564
0.003860803	0.105140094	3.656309931	4.187180682	3.250553959	1.288143724	0.142480332
0.090156115	1.403371165	6.76697844	9.087143158	3.049618083	2.979764322	1.032603969
0.212757824	2.888466909	7.26309002	9.367622883	5.032446426	1.861445128	0.967583734
0.454224183	6.056692367	7.698711127	9.782045389	5.769663925	1.695427241	0.743983219
0.046966032	0.602428228	7.571447913	11.50980708	5.965126339	1.929516061	1.116424467

0.201422902	2.30049549	10.0208862	12.19220159	6.952599913	1.753617602	1.28863657
0.036553885	0.678932416	5.402705029	5.605681622	5.133016711	1.09208326	0.10271302
0.235353421	3.489516273	7.09511457	12.86645256	3.22189954	3.993436914	2.196190529
0.122463823	2.777960428	4.498421061	5.074264241	4.266292773	1.189384909	0.17744926
0.01330775	0.231406201	6.613925489	12.63553888	4.634574464	2.726364412	1.976742633
0.035652324	0.440250664	8.334991782	9.247319218	7.78594141	1.187694427	0.293877063
0.011115719	0.186468278	6.398775954	7.6161691	5.846943251	1.302589879	0.465463603
0.011670797	0.281201458	4.093902695	4.664439629	3.74511834	1.245471893	0.187312445
0.034439636	0.602159871	5.700042942	7.322191036	5.308086186	1.379440872	0.329494046
0.19094358	2.707822315	7.033184925	8.653239082	5.752776892	1.504184717	0.555687539
0.2177005	3.877517699	5.308112547	5.963418292	4.544282213	1.312290481	0.276428979
0.016926722	0.348188729	4.630378387	5.100150171	4.159182601	1.226238581	0.23878169
0.097679731	2.022983535	4.789216705	5.603889108	4.546959543	1.232447541	0.211828918
0.026990266	0.444685305	6.136416896	8.258899875	5.1701788	1.597410882	0.669727926
0.051724861	0.857454742	5.756470551	7.979229595	4.41963035	1.805406553	0.708826544
0.31322002	5.050806044	6.732186237	8.111650204	5.853729572	1.385723427	0.431396254
0.070433139	1.799607907	3.947828516	4.119249936	3.587615729	1.148185939	0.094530312
0.123114362	2.200637207	5.549154259	8.320890595	4.318783447	1.926674652	0.809272262
0.469405766	6.823355278	6.942172646	7.73518783	5.886405557	1.314076605	0.337210677
0.067076149	1.4967251	4.476136457	7.856727321	3.155932117	2.489510874	0.886850831
0.333308923	5.746096074	6.032533539	9.336797988	4.913469424	1.900245464	0.889986174
0.073029988	1.27017458	5.359269179	8.816114216	4.244217729	2.077205925	0.89721169
0.026537717	0.39791446	6.701780661	8.811122773	5.407608979	1.629393473	0.684559192
0.120441498	1.665394895	7.298099883	8.832683921	6.46814113	1.365567594	0.464688493
0.049472726	1.114531164	4.396228182	4.671489916	4.171183197	1.119943598	0.092519857
0.095162431	1.527320265	6.655028702	8.123078767	5.959209969	1.363113367	0.416926383
0.225559992	5.622572573	3.978044495	4.192301793	3.803202811	1.102308239	0.090313019
0.106688271	2.581223278	3.982966277	5.37303	3.717043156	1.445511869	0.257553992
0.321938646	7.07814948	4.62719206	5.14527379	4.237620036	1.214189509	0.22878211
0.078957311	1.102560342	7.298807442	8.230517561	6.757597358	1.217965073	0.31478998
0.327927841	7.726103489	4.146252914	6.240843777	3.820703849	1.633427772	0.413564177
0.081490521	1.418047583	6.277240254	7.561436974	4.895359147	1.544613326	0.575968984
0.04152131	0.715210877	5.775387402	6.269523665	4.890740722	1.281916998	0.291610325
0.000961665	0.018828021	5.076350442	5.655680124	4.729752828	1.19576653	0.210867182
0.048931789	0.947841137	5.24244038	7.802666961	3.486277187	2.238108602	0.875750134
0.064311362	1.117941479	5.772065753	6.198183305	5.540760777	1.118652032	0.166187718
0.043140585	0.479160707	9.081616013	9.952040607	8.536074043	1.165880305	0.284558892
0.023109664	0.307837107	7.729938535	8.568780803	7.199038195	1.190267446	0.357326549
0.283542748	4.685704198	7.521556895	9.566734929	5.828387295	1.641403435	0.876383503
0.110160165	1.724895021	6.057398336	6.992753118	5.016442403	1.393966592	0.391881542
0.027937789	0.866436303	3.181793744	3.407550959	2.989484481	1.139845676	0.084320417
0.025038651	0.443660451	5.832949503	8.418770758	4.522540202	1.861513747	0.853388862
0.035477904	0.643305044	5.725624829	6.570391159	5.292751418	1.241394247	0.309135253
0.241052702	3.956214653	6.01755561	6.549051269	5.410992562	1.210323465	0.201900605
0.007919596	0.175581609	4.500239849	4.867745364	4.310461896	1.129286253	0.110373926
0.067935284	1.160155212	5.731460342	8.653887873	4.821653811	1.794796601	0.620019845
0.443928708	5.606672621	7.452414794	9.893758211	5.172841528	1.912635088	1.047838705

0.094115913	1.502536843	6.29195379	8.537037239	5.003864984	1.706088647	0.855701064
0.155103872	1.895368367	7.833474663	8.85402509	7.126931763	1.242333361	0.310061235
0.174651839	3.097330689	5.424733906	5.632492308	5.215333646	1.079986956	0.093677336
0.021665752	0.324148506	6.70003272	7.844989414	5.943872953	1.319844734	0.408849494
0.017044809	0.323428661	5.247518778	5.633488954	4.811045207	1.170949079	0.19449738
0.038491358	0.739280722	5.223213082	5.914474761	4.902399361	1.206444911	0.198986264
0.161984021	2.442012956	6.963164486	7.758686482	5.341481809	1.452534476	0.426562188
0.031051416	0.468940742	6.404390178	7.159741976	5.841464625	1.225675825	0.321547947
0.089441937	1.848139281	4.700796535	5.072117392	4.276569159	1.186024873	0.149552991
0.071354145	1.851300186	3.880561605	4.224579651	3.557709965	1.187443522	0.118948906
0.195034192	3.524603521	3.822263764	4.167733724	3.457957151	1.205258927	0.159957277
0.110181379	1.279199177	8.756637133	9.968077928	7.25564447	1.373837702	0.512820971
0.073157268	1.063790803	6.582128206	7.976588075	5.709296013	1.397122878	0.44338838
0.149867747	2.267907	7.074075936	8.24824884	5.605203632	1.471534199	0.467907716
0.276966655	4.839148748	5.84571984	6.47374204	5.227258018	1.238458484	0.261528757
0.031692526	0.475069612	6.710808902	8.101985974	5.834479643	1.388639	0.442564387
0.074974532	0.96549054	7.821603921	9.215602181	7.274295054	1.2668722	0.458994073
0.161941595	2.235151001	7.374199711	8.111124497	6.72130263	1.206778647	0.31336537
0.070439621	1.525347059	4.502770128	5.024884618	4.137884957	1.214360639	0.186004421
0.065414448	1.272820896	5.134435175	5.629122371	4.790771802	1.174992799	0.166836284
0.19885964	3.08688366	6.34759379	7.299976319	5.796644812	1.259345113	0.279472425
0.003676955	0.057890334	6.377948436	7.766100932	5.284356612	1.469639826	0.470434235
0.157331259	2.537419155	7.719262174	9.263126588	6.151332996	1.505873051	0.76621751
0.25511352	3.661641264	7.575933618	10.31426261	6.057412337	1.702750619	0.905612357
0.279059691	5.18263815	4.178744096	8.837866743	3.636529329	2.430302617	0.817834009
0.431787685	6.199533188	7.789083739	10.66814873	4.33808714	2.459182674	1.268431845
0.199446539	3.280455775	6.235620308	8.987076617	5.394931853	1.665836912	0.623896578
0.028830511	0.658574008	4.422874819	4.701278336	4.184871988	1.123398362	0.118272849
0.081600123	1.156496354	7.460876153	9.170603088	6.221514333	1.47401462	0.552136262
0.133987307	2.818202777	4.695176825	5.632223878	4.20778628	1.338524227	0.298844935
0.014135065	0.194167478	7.510138712	8.994895159	6.638729314	1.354912173	0.466341172
0.090202077	1.675823091	5.96843296	7.429196871	4.957225247	1.498660339	0.548492391
0.138805061	2.217143258	6.504594874	7.786128011	5.857705786	1.329211178	0.399034148
0.055048263	0.693204274	8.041350121	8.8409833	6.962130954	1.269867424	0.381222125
0.064686128	1.192214831	5.441383209	7.174506089	4.818761858	1.488869195	0.45393558
0.045930121	0.848875486	5.464861527	6.713184907	4.878347707	1.376118578	0.324547155
0.315723178	3.405555962	9.689643689	11.53755814	8.315695894	1.387443491	0.574818355
0.24713382	4.954835585	5.07813174	5.604026114	4.439710295	1.262250404	0.185367043
0.097450628	1.503135568	6.557405879	6.922297691	5.920578004	1.169192887	0.184071031
0.029450997	0.479144581	6.25376714	8.28042683	5.518954752	1.500361427	0.569589001
0.016237192	0.28755359	6.409804872	7.915593132	5.107678489	1.549743812	0.639000317
0.000175009	0.003633987	4.81860723	5.158671234	4.348539102	1.186299839	0.203379328
0.15277042	1.845154684	8.400592729	9.219707644	7.888789241	1.168710098	0.272904365
0.130280889	1.879178203	7.071732298	7.828991918	6.300069437	1.242683433	0.301954409
0.14747419	2.736280601	5.652409477	6.647789067	4.237512995	1.568794969	0.496971897
0.02016315	0.417282902	4.701271636	6.039089325	3.736061725	1.616431893	0.444577261
0.176515066	3.963300181	4.378283444	4.888982976	3.790426058	1.289824126	0.157114618

0.116142289	2.73171842	4.188760941	5.004823446	3.831182712	1.306339014	0.194955202
0.163072966	3.631687777	4.481444438	4.8186229	4.121649998	1.169100458	0.131596788
0.011299566	0.230444996	4.805696867	5.235244384	4.629907497	1.13074492	0.128180474
0.045926585	0.571417049	8.351795098	9.757384694	7.633884839	1.278167656	0.531844026
0.122060773	1.911539412	6.2059338	6.682271206	5.81226173	1.149685186	0.1736918
0.35911125	8.624963077	4.207165057	4.485189308	3.700558612	1.212030339	0.15699498
0.002986348	0.047895896	7.447702963	8.563140722	6.564801084	1.304402161	0.455305033
0.067440309	1.113909228	6.073070853	7.303542992	5.448956265	1.340356324	0.37580163
0.071314076	1.090320059	6.437500131	7.242609063	5.497321238	1.317479687	0.430095397
0.007643824	0.110654969	7.3423828	8.206847083	6.534445911	1.255936187	0.432423201
0.018243355	0.392655735	4.594430003	4.851313429	4.260065038	1.138788583	0.131744434
0.129930871	1.866498582	6.380386458	8.027240657	5.654441469	1.419634583	0.497247009
0.061772848	0.864438461	6.981562	7.859163536	6.384900338	1.230898388	0.242168669
0.377541988	7.051530067	5.353821628	5.793058837	4.469248555	1.29620422	0.254463734
0.053167359	0.637549502	9.296052025	11.56780701	6.74883005	1.714046276	0.935058935
0.09509172	1.106732534	8.931469055	10.94307367	7.26391727	1.506497564	0.88502415
0.409252192	5.0388121	8.650519729	10.02854925	7.483205448	1.340140843	0.520705724
0.197183797	3.477590633	6.343854594	7.513462924	5.579720919	1.34656608	0.364192935
0.056565007	0.600458729	9.638395297	10.17893994	9.192916141	1.107259088	0.246369012
0.002022325	0.046934952	4.355277677	5.115935645	4.09587273	1.249046536	0.181752224
0.015301791	0.342679406	4.375662295	4.63794713	4.08359372	1.135751362	0.128143053
0.03900401	0.969537557	3.831866679	4.058019708	3.620380127	1.120882218	0.084899354
0.199672813	4.264211249	4.697427355	6.776668708	4.102778507	1.651726677	0.47864239
0.003125412	0.065723485	4.460056931	7.052939139	4.180265682	1.687198775	0.491042185
0.218425285	5.085593526	3.982905895	4.328250472	3.73732586	1.158114287	0.12325145
0.04602558	0.903722012	4.867827605	5.531989293	4.315949498	1.281754871	0.244743609
0.233529086	5.092321073	4.531689514	4.832776549	4.048743158	1.193648587	0.152254018
0.381887159	8.249266135	3.576412171	3.746449357	3.36427098	1.113599166	0.081589124
0.239108158	4.531410956	4.848134038	5.248174671	4.425238746	1.185964187	0.195779542
0.017002383	0.378103631	4.333711551	4.758741044	4.034495429	1.179513307	0.163254638
0.091192026	1.522180691	4.388869694	4.581599138	4.235229049	1.081783083	0.068296818
0.037243314	0.956964962	3.841102571	4.557716864	3.354732451	1.35859325	0.348512645
0.006597306	0.174706896	3.629906689	4.112876673	3.439019007	1.195944735	0.117182287
0.043479996	1.023300046	4.222792565	4.492748453	3.795987486	1.183551966	0.135380464
0.204053339	3.168969737	6.718945562	8.184583621	4.916837472	1.664603247	0.661941147
0.015574027	0.356772172	4.797145486	7.871809385	3.330374158	2.363641144	0.939162149
0.008262543	0.125602138	8.075990185	9.783129211	5.470598143	1.788310703	0.931213771
0.126579185	2.09202059	5.498381433	6.610795756	4.889257054	1.3521064	0.411660421
0.19130774	2.845762401	5.66638498	7.671383369	4.39020368	1.747386665	0.666674924
0.042817673	0.894646042	4.56209104	4.897530101	4.048879383	1.209601383	0.192527692
0.098740391	2.053701762	4.799490511	5.428744889	4.223528199	1.285357794	0.181412097
0.504379267	9.932583741	5.187157283	6.335398217	4.520193037	1.401576916	0.362589651
0.183027519	3.414050218	5.486826056	5.797522062	4.897138408	1.18385914	0.199830443
0.037391807	0.882666296	4.193433507	4.496943117	3.763476732	1.194890639	0.122239261
0.099702056	2.091276101	4.770999974	5.028802234	4.544447974	1.106581539	0.095746038
0.194072527	3.684833435	4.946199302	5.463772617	4.64735219	1.175674318	0.194473461
0.332142197	5.333451511	5.748218346	7.928829636	4.179284357	1.897174004	0.613551526

0.248908658	3.326588895	7.935138529	8.852205817	6.895690277	1.283730194	0.539135602
0.070463191	1.493041782	4.596541737	4.999952439	4.21736192	1.185563993	0.158369895
0.229311194	5.020179505	4.528199367	4.911495743	4.114055071	1.193833252	0.179181266
0.199711704	3.328677111	5.89069899	6.624405334	5.080311461	1.303936852	0.335132885
0.070399551	1.161883497	5.48563786	6.213269201	4.395530061	1.413542648	0.25890274
0.080914229	1.676084876	4.873094436	6.204798579	4.360462294	1.422968062	0.382931191
0.240416306	3.007334693	7.984631361	8.571248422	7.176285716	1.194385057	0.332982278
0.296026718	5.076052978	4.883937603	7.775053312	3.635676042	2.138544035	1.030692367
0.172017867	3.133163986	6.000978602	7.528856108	5.275113761	1.42724052	0.52986719
0.311770451	7.238587918	4.173978479	4.482383503	3.488617528	1.284859537	0.156436137
0.199686955	2.836193561	8.708536872	11.23466217	3.869101383	2.90368772	1.590602332
0.12085162	2.573146651	4.627149911	5.276761479	4.278356762	1.233361726	0.190166653
0.053803755	1.05862188	4.99497102	6.167852382	4.648007896	1.326988361	0.347194641
0.0856872	2.135411169	3.990148848	4.65104891	3.48612969	1.334158314	0.279066469
0.080574818	2.078266813	3.775170401	4.20320123	3.458117375	1.215459389	0.154262096
0.004532554	0.119186392	3.716519804	4.007175146	3.559822917	1.125666989	0.094601087
0.116099862	2.398493472	4.567513939	6.527235016	3.166851331	2.061111917	0.711945645
0.063165849	1.221784322	5.275583399	5.675101172	5.042702417	1.1254087	0.179752415
0.008814086	0.136162469	6.902742674	8.068990898	6.169301989	1.307926069	0.456507147
0.017553926	0.259491131	6.774472888	7.350695109	6.106456403	1.203757895	0.235605984
0.029648987	0.34881627	8.494025407	9.011900794	7.999799438	1.126515841	0.237797791
0.070572792	0.955035992	7.669661018	8.339684512	6.810946193	1.224453149	0.299123824
0.017203908	0.252576125	6.871978109	7.506674801	6.345274562	1.183033883	0.203011452
0.085350617	1.189263992	7.282447311	8.159805823	6.659644154	1.225261536	0.31883424
0.04343757	0.617028165	7.133363344	8.041886332	6.088996041	1.320724513	0.441202817
0.136287761	2.957298583	4.452559723	4.665891633	4.101260921	1.137672468	0.101430755
0.161131958	2.527901592	6.771142906	7.374816193	5.849624343	1.260733298	0.305036777
0.069176256	0.772196313	9.200956501	10.11242193	8.219352529	1.230318556	0.385351402
0.133796388	1.543916894	8.845364112	9.89723438	8.273703991	1.196227759	0.349505065
0.099475782	2.443202468	4.115276485	4.472020122	3.63121099	1.231550613	0.143045308
0.042525402	0.904124893	4.629598062	6.374547426	4.289545635	1.486065884	0.363056535
0.005854844	0.135604491	4.544162981	4.821763133	4.170928597	1.15604068	0.154863429
0.084838672	1.866962906	4.504697356	4.794695901	4.18659395	1.145249804	0.125304114
0.132964359	1.415003479	9.52101809	10.59562447	8.090250799	1.309678122	0.488978069
0.147332769	2.717202179	5.371519784	7.97870248	4.127514086	1.933052756	0.99175994
0.143132555	3.282835296	4.315403176	4.853159232	4.047261371	1.199121773	0.158574756
0.054277517	1.252119503	4.284243432	4.477590805	3.932574431	1.138590225	0.100659376
0.089236876	2.041177857	4.417926142	4.731725702	4.145206277	1.141493423	0.119351087
0.024508321	0.540067429	4.743538583	8.309783835	4.073075627	2.040174206	0.828192331
0.370222254	4.508788244	8.296229918	8.878060805	6.788382713	1.307831509	0.323484699
0.082208234	1.575161188	4.536296204	4.807716312	4.138058386	1.161829018	0.130795419
0.003676955	0.069356864	5.234486657	6.05045395	4.385790129	1.379558477	0.352782143
0.251821938	5.532061581	4.252501063	4.578967011	4.037464229	1.134119524	0.177581305
0.071110193	1.283182499	5.554384129	7.113640677	5.060961661	1.405590706	0.345889893
0.049674251	0.925062722	4.843631133	5.488908524	4.181528554	1.312655995	0.344518767
0.053050686	1.00078331	5.135803073	6.7285534	4.348943951	1.547169491	0.567763686
0.057798908	1.185453595	4.346393689	4.747757866	3.710806574	1.279440944	0.204482017

0.084980093	1.103341456	7.919882749	9.659888679	7.003484676	1.379297468	0.48579114
0.142892138	1.909828782	8.882787419	10.27875006	7.648346957	1.343917858	0.600534811
0.144638692	1.852728987	8.164346163	9.335667374	7.209973791	1.294826811	0.503951406
0.012243554	0.155369035	8.42482047	9.348711907	7.897427216	1.18376677	0.315452506
0.133317913	1.5312519	9.006538909	10.01318941	7.976287856	1.255369615	0.389783234
0.160987001	1.896697252	8.364994557	9.253768182	6.97996149	1.325762068	0.446124091
0.12667818	2.255152392	5.056452968	5.697511614	4.383574784	1.299740941	0.264561003
0.174711943	1.971118469	8.78839754	9.666098971	8.29654943	1.165074595	0.304742472
0.012529932	0.287531139	4.268344658	4.593512383	4.009973295	1.145521939	0.101737333
0.09224208	1.284400916	7.211179988	8.137396678	5.992258456	1.35798493	0.429800971
0.110142488	2.091036018	5.342271379	7.743653116	4.649844511	1.665357432	0.61088213
0.210838029	4.036709328	5.100910809	5.671558731	4.531356609	1.251624893	0.392608386
0.102813326	1.410116915	7.001794962	9.1387791	4.859720094	1.880515528	0.774549398
0.061528897	1.199156615	5.345109682	6.123292423	4.721549498	1.296881972	0.27848241
0.030829856	0.755182127	4.081238727	4.542111316	3.848163311	1.180332265	0.127585362
0.02674985	0.251693512	10.43231433	10.94981728	9.519543887	1.150246	0.336890254
0.050254079	1.220870482	4.010003493	4.526699454	3.774963659	1.199137227	0.184165864
0.101425982	1.866888471	5.090365597	6.255181594	4.712047145	1.327487056	0.24478643
0.180983981	4.896546578	3.739554006	3.897475291	3.499886159	1.11360059	0.102126938
0.031876374	0.672507368	4.535918204	4.823798247	4.0630581	1.187233391	0.148148067
0.006081118	0.102562939	5.283776632	5.982446907	4.639876689	1.28935472	0.289888397
0.383287231	3.947774176	9.96593388	11.65951984	9.019337565	1.292724632	0.579904458
0.013654232	0.288965516	4.785554999	5.629847177	4.080034442	1.379852856	0.318183028
0.255307974	3.813100178	6.730348612	8.559261749	5.323136255	1.607935874	0.761949891
0.07469876	0.778203297	9.683755573	10.83497519	8.806663803	1.230315523	0.509288707
0.100642508	2.304011348	4.263808997	4.697557901	3.797172608	1.237119927	0.147443514
0.26792983	4.390774724	6.111945797	6.980166779	5.625210617	1.240872076	0.328800632
0.104432601	2.875083432	3.588107708	5.804879958	3.157796078	1.838269418	0.469319227
0.073397684	1.70329165	4.238701154	4.627537321	3.96750655	1.166359088	0.141007123
0	0	5.693208911	7.091480295	4.807794102	1.474996671	0.41924401
0.203328555	3.299079753	6.10000447	7.425076997	4.860817746	1.527536597	0.526284434
0.043126443	0.728509221	5.912277043	6.570611286	4.918755626	1.335827958	0.308392705
0.249884465	4.187525517	6.060026923	6.830326281	5.158894093	1.323990405	0.408841771
0.238157099	3.05581281	7.881628826	9.133901766	6.91661035	1.320574863	0.508763735
0.176140299	3.480305155	5.108193299	5.616806336	4.76478627	1.178816009	0.196126366
0.279229397	3.226566449	8.57563693	9.80759575	7.540895287	1.300587712	0.452624882
0.236491863	5.457887585	4.323052649	5.70967208	3.834496728	1.489027762	0.417063012
0.01840599	0.351715284	5.144498301	5.604761136	4.742911276	1.181713258	0.204466283
0.134410393	2.218387981	5.890708701	7.756078606	4.623812122	1.677420795	0.484371369
0.079807607	1.331712052	5.86654919	6.279716765	5.51753557	1.138137976	0.181303739
0.486305618	7.309700133	7.031126825	8.175691202	6.359947499	1.28549665	0.445161805
0.15565188	2.167972471	7.280755023	7.883122391	6.328733485	1.245608211	0.357128643
0.031558176	0.742778476	4.333704488	4.951121227	4.128165678	1.199351386	0.140618792
0.16270527	3.067571685	6.080484039	6.659869845	5.581542057	1.193195317	0.282393707
0.020308107	0.418592565	4.836358068	5.579452606	4.440762517	1.256417695	0.260413286
0.220122341	3.918732567	5.813656832	6.594873485	5.39503554	1.222396671	0.298113948
0.02284662	0.38684451	5.902348921	6.342125488	5.435681664	1.166758077	0.210123408

0.21899097	3.120222922	6.679301254	7.960609167	5.567848522	1.429746003	0.465610032
0.038565604	0.728515096	5.195164524	8.166621821	4.196052546	1.946263001	0.775371052
0.10701354	1.620593409	6.283169525	8.417010753	4.724423255	1.781595403	0.797514995
0.222946054	3.962728707	5.024532227	5.735733353	4.435146717	1.293245459	0.292409148
0.201207235	2.620329924	6.180444538	7.605767014	4.032298376	1.886211362	0.794040095
0.22342453	5.059484482	4.383293937	4.703272652	4.002481627	1.17508913	0.12284031
0.135938922	2.075887962	6.475138863	7.037319757	5.791416711	1.215129235	0.203031234
0.052230442	1.052607384	5.210963182	6.707509368	4.110233743	1.631904604	0.608812258
0.374338794	6.695453556	5.58462941	6.241052872	5.079341528	1.228712981	0.284464377
0.251751227	3.286913167	8.434874897	9.783763212	7.112016218	1.375666606	0.6625472
0.385585328	6.097964265	6.28363362	7.319835128	5.670847461	1.290783287	0.295053224
0.265652947	3.631511118	6.71123576	12.21519802	5.082123313	2.403561911	1.46997809
0.03099249	0.49611295	6.337884363	7.275698792	5.752217575	1.264851111	0.408047575
0.087058987	1.120732979	7.716716274	8.817454839	6.922610463	1.273718186	0.427913556
0.168213632	3.355235558	4.269413166	4.706904804	3.920211323	1.200676294	0.150587433
0.124521504	2.251985133	5.722903547	7.043236205	4.913477516	1.433452414	0.46322959
0.050027805	0.868554051	5.639858511	7.396331689	5.10688942	1.448304649	0.370955253
0	0	4.375096255	4.884520993	4.153350823	1.176043441	0.127739147
0.264592286	4.696318431	5.743943534	6.789651078	5.210716814	1.30301671	0.354991131
0.276082772	4.390246047	6.123230709	7.29294327	5.30586169	1.374506856	0.358533958
0.152897699	1.827467876	8.964651441	10.66716049	6.522438799	1.63545582	0.864373219
0.091923882	1.516880701	6.051126336	6.373067757	5.696342549	1.11879995	0.155754452
0.034153258	0.639905587	6.41776099	9.913947242	5.320913167	1.863204103	1.04124935
0.135389735	2.97228196	4.52866536	4.831639578	4.192181484	1.152535881	0.141988247
0.334143309	4.341022844	6.628157687	7.91283576	5.607804398	1.411039901	0.502760737
0.039661619	0.484335605	7.197186558	9.928527629	4.134582877	2.40133719	1.153559866
0.837560911	12.13217926	6.834330806	8.223816447	5.213444534	1.577424751	0.591884498
0.074942712	1.582169413	4.596121687	5.03345137	4.368670175	1.15217015	0.155482195
0.013145115	0.259798906	5.02729541	5.643164799	4.655021874	1.212274604	0.205445659
0.13303507	1.829789656	7.425107445	8.384746475	6.276535244	1.335887739	0.36000116
0.067530465	1.469853968	4.732204459	5.095911534	4.542144884	1.121917434	0.120644845
0.170554156	2.410815724	7.356301134	11.32425757	5.220222846	2.169305393	1.464383993
0.025436988	0.478431705	5.204838625	6.458175572	4.356894017	1.482288884	0.477750305
0.27327379	3.947801121	6.931480174	8.428222725	6.107016804	1.380088347	0.481733637
0.234123055	2.334492123	9.9871614	10.95677153	8.890538974	1.23240802	0.536167965
0.190628917	2.72736131	7.031587288	7.790018089	6.272238407	1.241983736	0.344150747
0.16915762	2.564105775	6.762079438	7.651636369	6.196537281	1.234824552	0.261566635
0.046027348	0.58137123	7.962272604	8.96851538	6.302087484	1.42310233	0.534697486
0.067747901	1.143924495	5.939444878	6.911270905	5.58511265	1.237445212	0.245170707
0.246433784	4.976671253	4.593369272	5.627332423	3.600161989	1.563077562	0.443427488
0.040227305	0.569137798	6.965234359	8.289520752	6.048225873	1.370570631	0.44327522
0.146948574	2.13537622	7.008725515	7.639809948	6.204360988	1.23136129	0.329005788
0.023990365	0.388351934	6.677398123	8.291731988	6.068121034	1.366441431	0.49708652
0.228010117	3.534611001	6.577433806	7.51464584	5.491146281	1.368502214	0.381278817
0.150246049	2.17957739	6.969322966	7.804946504	5.993954797	1.302136364	0.385205694
0.055887952	1.051433223	5.689546894	6.075590195	5.239657918	1.159539476	0.188934855
0.034421958	0.478879998	7.422639204	8.31472049	6.242091063	1.332040883	0.448380419

0.118537024	1.974580609	6.096683679	7.212414108	5.289745436	1.363470926	0.420449886
0.020739442	0.457446407	4.586224653	5.58981832	4.224115131	1.323311072	0.294702674
0.074925035	2.076591393	3.532770374	3.665206057	3.191549122	1.148409727	0.102530001
0.026261946	0.669359901	3.851340715	4.075460403	3.512071757	1.160414902	0.124489854
0.157571675	3.718530967	3.955411121	4.238471102	3.620717692	1.170616287	0.12078195
0.038332259	1.022317625	3.749354298	4.062949744	3.338068638	1.217155842	0.139925246
0.09568569	2.672385116	3.612404325	3.859171494	3.339403281	1.155647033	0.11849498
0.039937391	0.559153076	7.499465145	10.16297367	2.956061115	3.438012028	1.536032652
0.433025122	6.208390271	6.695378007	8.576616758	5.296743463	1.619224495	0.697684498
0.062928968	0.893104231	6.954629808	7.723152947	5.200882943	1.484969578	0.458503278
0.104899291	1.672561853	6.485358281	7.042375476	5.751016244	1.224544529	0.278357771
0.307534881	4.111112897	7.44421712	9.126449021	6.232636745	1.464299845	0.581888975
0.133862385	1.805896255	7.377638939	8.301608518	6.58825334	1.260062127	0.328959745
0.052099628	0.646141413	8.868558396	11.01485362	7.863110599	1.40082649	0.63587846
0.451770523	9.534092391	4.417099427	5.343383694	3.874850525	1.378990921	0.353734096
0.107172639	1.340961286	6.742096141	7.561189156	5.761598359	1.312342285	0.496999236
0.150231907	2.205683523	6.229027293	7.203754019	4.741111518	1.519423028	0.545905814
0.182774139	2.590414225	6.983450213	7.59823985	6.376168933	1.191662255	0.244529434
0.281232277	5.647480273	4.518463341	6.034356265	4.139946247	1.457592902	0.357679376
0.054581572	0.790030596	7.230232309	8.19343447	6.286126609	1.303415439	0.405939026
0.085708413	1.783264843	4.503452097	4.809714577	4.335000498	1.109507272	0.113868796
0.343908454	4.169749578	8.422381521	9.589403025	7.169825519	1.337466721	0.603629368
0.070431371	1.558680592	4.414269657	4.673305005	4.180479359	1.117887353	0.108477702
0.074055293	1.923157779	3.890058291	4.948253817	3.684468156	1.343003551	0.207998165
0.014965208	0.227257674	6.933694116	7.968851874	6.183954554	1.288633641	0.335240204
0.499411842	7.630566163	6.452480814	8.159944504	5.684067705	1.435581863	0.488708844
0.233628081	3.756831955	4.792065272	6.297643498	3.812359008	1.651902007	0.544393859
0.010224764	0.162157809	6.387796545	6.859597557	5.907496841	1.161168214	0.209315085
0.105479119	3.174771886	3.398313973	3.604707645	3.161470668	1.140199617	0.096210834
0.278587697	4.385953253	6.585252168	7.404865564	5.447182133	1.35939379	0.36251854
0.135267759	2.461157844	5.551127252	5.979438569	4.938479618	1.210785309	0.231825401
0.048557023	0.832526701	5.985880376	7.480720722	5.472076137	1.367071754	0.418105566
0.213084271	5.226448407	3.784901811	3.970226335	3.566770471	1.113115174	0.09519123
0.263830025	3.625142492	7.410214539	8.72814344	6.428715021	1.357680876	0.445357301
0.318643529	4.82173018	6.706514986	7.854183315	6.127713497	1.281747803	0.335244214
0.084746748	1.152711323	7.443236371	8.101737615	6.875631499	1.178326328	0.250775969
0.162035287	2.990956918	5.287282475	5.731823542	4.729964664	1.21181107	0.235410155
0.825200685	14.52952536	6.104454635	7.043677655	5.180369048	1.35968646	0.429273778
0.182829529	3.149018617	5.709333253	6.419678633	5.057655168	1.269299393	0.284884784
0.2714689	3.852940617	7.14149122	7.871355952	5.877431886	1.339250902	0.386652966
0.564990103	7.090425691	8.038834056	9.278239067	7.192096916	1.29006035	0.44142411
0.208843988	5.110360862	4.167961514	4.340271724	3.851852898	1.126801007	0.098967193
0.134152299	3.008773233	4.492372097	4.8771742	4.0021142	1.218649433	0.155415601
0.034330034	0.704583272	4.887650477	5.350350164	4.506988849	1.187123009	0.190371533
0.344329183	4.277193415	8.068780308	9.337868429	7.365407645	1.267800627	0.52675914
0.134258365	1.39257667	9.483144209	9.951259037	8.696522887	1.14428021	0.313918983
0.084212882	0.991644008	8.436269764	9.051166251	7.761986106	1.166088953	0.312239867

0.160987001	2.082549909	6.774112605	9.759982015	4.796855492	2.034662506	0.989542456
0.052583289	0.977044689	5.440136384	6.600506907	4.962720337	1.330017905	0.284708482
0.149359808	2.570796008	5.807930317	6.716927418	3.759263922	1.786766653	0.492334135
0.45660949	6.506377435	6.804194783	7.25086486	5.775170756	1.255523891	0.301684807
0.021736462	0.250392167	8.714087913	9.218781519	7.927790658	1.162843712	0.310505746
0.101634815	1.518979359	6.56313963	7.582726477	5.678442264	1.335353275	0.375916666
0.170575369	2.605094555	6.711112143	7.530686565	5.799625602	1.298478054	0.335015126
0.0305258	0.464983845	7.22026575	8.297244279	6.538753052	1.268933727	0.40832654
0.037243314	0.573229506	6.373016269	7.118583477	5.98093239	1.190212999	0.221505479
0.23977991	4.282157015	4.962212273	8.978455985	4.13543041	2.171105567	0.758250272
0.014488618	0.213204747	6.244601622	7.875408737	4.421372383	1.781213627	0.796364606
0.286986358	4.683441713	6.112178824	6.817681973	5.793702595	1.176740066	0.188004253
0.105189205	1.437344545	7.534983048	8.423847146	6.807571808	1.237423179	0.359465241
0.111139508	1.480428758	7.843255669	9.085202547	6.486715138	1.400586021	0.567083659
0.09396742	1.126903379	8.484296409	9.130038175	7.967162783	1.145958533	0.225133464
0.136782736	1.961453178	7.170960064	8.327198696	5.502654738	1.513305685	0.43883307
0.020286894	0.414982282	4.813176625	7.619197172	4.265274142	1.786332348	0.570220754
0.177186817	2.248180362	7.152599189	8.532340965	5.64059295	1.512667381	0.561539559
0.115786968	1.908283368	6.376824014	8.129855954	4.897729353	1.65992348	0.649424734
0.002192031	0.027238856	8.333435908	8.978123941	7.443725816	1.20613308	0.359525855
0.467524862	7.539519116	6.571424384	9.056221622	5.39189569	1.679598817	0.699981044
0.116517055	1.874417194	6.319426718	7.215657782	5.739458038	1.25720194	0.363816501
0.303985205	5.511121924	5.900788425	9.994324293	4.6619433	2.143810778	1.037390371
0.131882486	2.63624453	5.01798125	5.467016394	4.805980127	1.137544528	0.146060988
0.151752186	2.791829532	5.503716109	5.884315639	5.161929146	1.139945062	0.156690605
0.15482103	2.01557915	8.035777807	8.897051767	7.421394021	1.198838351	0.267729485
0.734464743	10.82790083	5.697954989	9.638839162	3.022498043	3.189030737	1.414377647
0.31671077	5.11032764	6.184117316	6.608945014	5.695710348	1.160337273	0.18587783
0.038300439	0.800769175	4.845949263	5.294731869	4.474370946	1.18334665	0.193188651
0.347274282	7.383521511	3.33391497	3.617643858	3.129891926	1.155836669	0.096147448
0.039055865	0.873302296	4.576936869	5.274936991	4.271251122	1.234986387	0.182937797
0.159629356	2.289081763	7.337539512	8.285141329	6.195924537	1.337192098	0.345064887
0.391659375	4.987549612	7.939564451	10.36525646	6.46006248	1.604513346	0.76411274
0.054956339	0.649413811	8.431799046	8.891758665	7.571258515	1.174409597	0.272563197
0.111920861	1.419701356	8.02988328	8.981110228	7.297368156	1.230732784	0.287421826
0.030759145	0.646995497	4.717930128	4.967590324	4.534186136	1.095585883	0.11475683
0.215533218	2.390025792	8.954389219	9.569933004	8.093740396	1.182386948	0.355055951
0.20283358	3.603917839	5.369677434	7.775757806	4.491241018	1.731316083	0.588673727
0.220904872	3.336309523	6.49438534	7.186878814	5.160131587	1.392770454	0.401417403
0.158201	2.430270005	6.673782152	10.14426701	4.745913047	2.137474267	1.320992882
0.140357161	2.26222142	6.435113608	7.21670059	5.813041396	1.241467263	0.318707465
0.135778644	2.309752276	6.336652581	7.155494669	5.719641434	1.25103903	0.286418269
0.024388113	0.449085817	5.462654121	5.877937738	5.171175397	1.136673442	0.150971154
0.00729911	0.151763311	4.708775325	5.095383899	4.379558287	1.163446988	0.20450414
0.005663925	0.087146556	6.373827875	7.747145694	5.712502248	1.356173767	0.391495535
0.036734197	0.446762188	8.352442524	9.139380933	7.922083978	1.153658678	0.250883514
0.083000194	1.512062414	5.351811432	5.933932285	4.780680881	1.241231622	0.285945244

0.090679374	1.981385085	4.615701185	6.034026001	4.223472193	1.428688464	0.307894851
0.249806684	4.280398994	6.074838846	6.530617099	5.709771703	1.143761509	0.204041393
0.058539956	0.957539367	6.057024897	6.514542094	5.499596452	1.184549112	0.300390405
0.171687883	2.520386157	7.092659171	8.261736383	6.294874128	1.312454581	0.38046165
0.051067252	0.883084423	6.617573293	8.719728553	5.581279096	1.56231724	0.81736089
0.079792286	1.622384559	5.000868429	5.188569326	4.680731636	1.108495366	0.115087846
0.01629174	0.263830311	6.15985971	6.805749575	5.2419764	1.298317477	0.297168362
0.142213316	2.016146822	7.358146376	9.105117788	4.338754149	2.098555824	0.817987188
0.027994357	0.768045956	3.63208276	4.097558142	3.233049901	1.267397123	0.14037912
0.004755293	0.096737895	5.039751488	5.873836883	4.728993683	1.242090237	0.183703401
0.002213244	0.048113013	4.356831824	5.3665998	4.047795351	1.325808084	0.32511236
0.025745758	0.455966242	6.058302871	6.807584233	5.091173914	1.337134489	0.352780658
0.083509311	1.789225222	4.316893424	8.032980532	3.940545452	2.038545331	0.693260899
0.047772134	0.674051726	6.692980476	10.22917008	4.889193835	2.092199742	1.186683291
0.174266466	4.195161989	4.139504649	4.587010825	3.863971477	1.187123366	0.158790037
0.156789144	2.984502838	5.174265383	5.564931235	4.761520547	1.168729858	0.135975524
0.162351717	3.270972238	4.640720023	5.004338588	4.383649579	1.14159184	0.184121024
0.06919747	1.650030697	4.230545686	4.474283895	3.840325842	1.165079235	0.13555781
0.109072989	1.815566822	6.020983295	6.85576982	5.120959715	1.338766599	0.421834335
0.722090374	13.17429378	6.165937098	6.735258768	5.655008575	1.191025385	0.285548854
0.180043529	3.550177618	4.82733224	6.076518177	4.419628134	1.374893541	0.366154251
0.203922525	4.306624362	4.541502382	5.070413376	4.069447781	1.245970866	0.199810704
0.030015269	0.454761374	7.028522138	8.566356229	6.141056276	1.394932051	0.463805396
0.072648151	1.292880311	5.450819134	8.083844484	4.267332021	1.89435564	0.684597766
0.39506763	5.939406216	6.591594501	7.550582198	5.929883768	1.27331032	0.33218236
0.063158778	1.029136719	6.239783957	8.87528314	4.551497968	1.949969703	0.818999593
0.219613224	3.200581894	6.590393211	7.495016693	6.153984987	1.217912736	0.238358282
0.038989868	0.9624277	4.004373514	4.601703216	3.459499926	1.330164276	0.201235545
0.288047018	5.223285262	5.674547024	6.117971689	4.772505621	1.281920269	0.245903916
0.006484169	0.162258634	3.899051339	4.128942899	3.665321337	1.126488654	0.075429479
0.076024586	0.982495941	7.463304555	9.333246071	6.179948109	1.510246673	0.668728822
0.217852528	3.054460115	7.156175075	7.995930279	6.53561053	1.223440449	0.314135163
0.090884435	1.524577794	6.028451064	7.06601077	5.314242407	1.329636518	0.327321132
0.086069037	1.972985166	4.30912585	4.884006893	3.846170759	1.269836208	0.163916907
0.093083537	1.216015543	7.393216266	8.356139868	6.362448131	1.313352926	0.401832369
0.085528101	1.465696196	5.557767324	6.693991487	4.956415208	1.35057117	0.446321679
0.129952084	2.547518908	4.894587048	5.289108459	4.6036857	1.148885655	0.124404903
0.296539371	3.732549395	8.259216259	8.959966253	7.421655304	1.207273295	0.365022194
0.036076588	0.710260929	4.868754813	5.288291263	4.517674719	1.170578139	0.179749713
0.144963961	2.918620733	4.96932752	5.391806264	4.556583949	1.183300105	0.181096355
0.067762043	1.048290391	6.902950238	8.151168017	5.511097695	1.479046184	0.450812959
0.116627835	1.71194595	6.838359446	7.813401855	5.899992008	1.324307193	0.448609652
0.115322045	1.757406063	6.332974599	13.79560615	4.488734725	3.073384148	1.880784217
0.191541085	2.806430704	7.03083037	8.140355248	5.938659937	1.370739415	0.526378475
0.055076547	0.8822564	6.18797641	6.662030877	5.131256745	1.298323434	0.297628148
0.009181782	0.280372514	3.382757004	3.912407426	3.040833469	1.286623377	0.148028989
0.07834036	0.995329723	7.948630844	8.52339861	7.273824284	1.171790557	0.301250727

0.073468395	1.491348788	5.099864447	5.810851965	4.572372695	1.2708614	0.19779546
0.25567567	4.723212653	5.601340136	6.364398697	5.213645663	1.220719456	0.204787574
0.025590194	0.681568351	3.868853114	4.134766222	3.629497655	1.139211708	0.113570957
0.249240998	2.607366273	11.00267917	12.70591304	9.670915608	1.31382731	0.642084347
0.171225907	1.852995897	10.91993133	12.50756921	9.084257602	1.376839997	0.809135176
0.164069986	1.662464684	11.50911236	13.01726742	9.963510678	1.30649405	0.728088552
0.142050681	1.348532723	11.596919	13.31412239	10.24875729	1.299096272	0.637967233
0.022754696	0.399794859	5.693923975	6.411048941	4.960094489	1.292525567	0.392579862
0.125596306	1.882807948	6.688320344	7.210274516	6.098742366	1.182255961	0.262125879
0.018844396	0.321650598	5.635020823	6.933173184	4.293031454	1.614983086	0.519067686
0.091457191	1.384877477	6.891736081	8.469753503	6.335503139	1.336871487	0.44162512
0.201398153	2.696131685	7.592462805	8.203927965	6.705889929	1.223391384	0.332034394
0.185601388	3.071041013	6.203671935	6.943164329	5.656184032	1.227535082	0.304420094
0.160258681	2.750868558	6.048658849	7.949281986	5.143909912	1.545377373	0.513572167
0.083070905	2.323805237	3.542593897	4.088082842	3.282018676	1.245600115	0.138107438
0.246942901	3.350801173	7.616937207	8.339211133	6.966418935	1.197058519	0.309791544
0.185643814	2.336884561	7.889395414	8.421573092	7.191108919	1.1711091	0.229290241
0.03094535	0.517842396	5.995889906	9.570642788	4.767485761	2.007482197	0.839485199
0.071693557	1.621821977	4.405978388	5.031344913	3.834328976	1.312183943	0.202357086
0.074234427	1.75723861	4.235153226	4.586564867	3.876171484	1.183271918	0.14899229
0.649442223	14.88859638	3.65778325	3.972391222	3.277531993	1.212006849	0.111978867
0.095346278	1.464913183	6.552391823	7.455561546	5.929690466	1.257327273	0.276051905
0.139275287	1.823061477	7.684856634	8.48407606	7.111970791	1.19292898	0.319738563
0.071644059	1.083928005	6.704522729	7.309766261	6.08622863	1.201033794	0.270190536
0.288598562	5.334946168	5.434730731	6.293845059	5.098994718	1.23433057	0.241414665
0.078488853	1.305675904	6.164844966	6.644786817	5.844476222	1.136934528	0.165205034
0.136492822	1.742749298	8.256396138	8.972980324	6.705760804	1.338100267	0.484750015
0.085588205	1.35450916	6.158164826	7.491468717	5.667897525	1.321736796	0.346710168
0.006381639	0.150856516	4.17550105	4.344176871	4.036907126	1.076115138	0.071071758
0.298363706	6.287310758	4.695413912	5.201209524	4.4144534	1.178222773	0.187136772
0.015125014	0.297455585	4.853850721	5.728897959	4.151961457	1.379805188	0.270464487
0.021778889	0.393573863	5.425710848	5.71642897	5.152393306	1.109470615	0.154609406
0.067295352	1.444533069	4.641696946	5.105814194	4.185014722	1.220022995	0.166833711
0.029804551	0.412223116	6.515461548	8.826882245	3.656101229	2.414288252	0.820711563
0.191215816	3.825174867	5.1653015	6.434168624	4.460745804	1.442397506	0.423211423
0.062597806	1.46320388	4.353557573	4.90981627	3.991779047	1.229981974	0.146923835
0.013661303	0.175038068	7.699366222	8.716094317	6.797643051	1.282223008	0.350340593
0.332087396	4.632763981	7.545755304	9.008127685	6.243593543	1.442779326	0.588668302
0.064742697	1.81721903	3.572253979	3.83775937	3.373897324	1.137485525	0.091047154
0.089625785	2.210520528	3.925095123	4.187719751	3.625064156	1.15521259	0.099934755
0.370601735	4.463719028	8.580871058	9.915776211	7.368746616	1.34565303	0.526384533
0.16481952	2.251331242	7.592605128	8.719695699	6.308111823	1.382298847	0.460431315
0.100421537	1.808551964	5.545741261	6.393702914	4.804552712	1.33075924	0.399328875
0.046562982	1.145533442	4.085066171	5.357448268	3.844807454	1.393424334	0.225310427
0.063406265	1.483123596	4.2199481	4.510310698	3.930312155	1.147570605	0.11856073
0.07456441	1.526547375	4.907104879	5.563567662	4.613811689	1.205850615	0.165346117
0.015800301	0.261394596	6.433711159	7.781155175	5.646477159	1.378054839	0.497995106

0.019424223	0.209682355	9.418318471	10.38539981	8.955394082	1.159680938	0.314827155
0.319053651	5.460189915	6.052575492	6.714123758	5.550039623	1.209743392	0.250196272
0.280661288	3.626574614	7.767036472	8.413697182	7.203986139	1.167922456	0.25230924
0.082066813	1.29943428	6.072091578	6.70008376	5.415222486	1.237268418	0.318899199
0.079316168	1.302309417	5.994929222	7.454071643	5.447249286	1.368410229	0.332273893
0.108958084	1.919256725	5.503025101	6.256424639	4.795281477	1.304704357	0.282292872
0.238068711	3.409429563	7.139792696	7.881369192	6.337748303	1.243559828	0.332814705
0.0216357	0.429098136	4.838126019	5.17381008	4.527109046	1.142850775	0.137290269
0.132964359	2.191459344	5.984118044	6.441899709	5.520122907	1.166984833	0.192285044
0.093299204	1.597793781	6.421502089	7.292813573	5.451467528	1.337770708	0.406901924
0.043197153	0.883118356	5.054242552	7.975325759	4.787042045	1.666023754	0.559430419
0.088345921	1.862676953	4.622475941	5.094706011	4.477678552	1.137800749	0.15790028
0.044957849	0.946999649	4.651734463	4.989743353	4.279912554	1.165851706	0.137379341
0.238608469	3.260705403	7.640507154	8.273511553	6.289770081	1.315391731	0.366450017
0.042132958	0.843989167	4.977355908	5.822526646	4.181273273	1.39252478	0.318169193
0.023055217	0.439376042	4.645608201	4.930980272	4.30491588	1.14543011	0.124292682
0.226788001	3.609840168	6.344018906	7.223377554	5.354194285	1.349106358	0.415154393
0.18452305	2.870124827	6.054313739	8.045457901	4.991214702	1.611923826	0.605933741
0.02090679	0.211876883	9.967249424	10.6610254	9.255339125	1.151878419	0.317612171
0.184904888	2.617882803	6.927105956	7.582519457	6.232158085	1.216676367	0.316649992
0.082232983	1.293757397	6.493375209	7.889149537	5.795334663	1.361293177	0.444755769
0.035521509	0.527368546	6.939883759	7.540500335	6.276637244	1.201359907	0.276550103
0.143614566	1.646203423	8.677049512	9.510802654	7.523863983	1.264084874	0.422625577
0.200938534	2.783507631	7.108809197	9.45820617	5.154054122	1.835100281	0.982667393
0.035051283	0.539359916	6.552565685	6.977346232	6.173980268	1.130121239	0.157091237
0.073037059	0.75897901	9.649977064	10.13602805	9.009225079	1.12507213	0.244707887
0.067408489	1.10168329	6.250664153	6.851860407	5.671895285	1.208037184	0.281891207
0.349664303	5.397361882	4.653547003	5.544939228	4.233417306	1.309802183	0.229942755
0.076841294	1.008296403	7.695638399	8.346262522	6.98348061	1.195143652	0.292892889
0.399761051	5.995491358	6.782278163	7.525215467	5.494312119	1.369637419	0.391265286
0.128716415	2.270620906	5.481864828	5.881931986	5.019057865	1.17191954	0.192066964
0.048719657	0.840103206	5.829117327	6.489988128	5.167245845	1.25598594	0.27786366
0.167916647	3.20163785	5.293351079	6.595362052	4.910141875	1.343212115	0.345365691
0.018243355	0.237380348	7.736369856	8.241982106	7.140277078	1.154294436	0.236699948
0.137468629	1.617444089	8.164012731	10.39821584	6.8751739	1.512429503	0.765980303
0.005854844	0.140469105	4.133891812	8.133576746	3.720025076	2.186430623	0.748292063
0.00357796	0.03576273	9.950342635	10.43475123	9.189926878	1.135455305	0.254942944
0.044901281	0.628654146	7.205420377	8.117883211	6.788117716	1.195896057	0.305205018
0.185378649	2.582160557	7.325349157	8.56189645	6.061750891	1.412446107	0.532899153
0.045127555	0.53585166	8.674583703	9.472130936	7.708085501	1.228856495	0.344491169
0.037865568	0.527913791	7.051330865	7.563484299	6.698186062	1.129183965	0.226702493
0.236198414	4.895412277	5.656028345	8.873221215	3.325165235	2.668505349	1.24629466
0.130807683	1.568938742	8.255150749	8.81989089	7.44103091	1.185304966	0.31834569
0.074507842	0.768890854	9.684772268	10.44453202	9.116602069	1.145660625	0.33789759
0.13661303	1.748483862	7.858310331	8.628153335	6.514000883	1.324555137	0.400209143
0.235247355	2.672131348	8.788856695	9.351231312	8.002649469	1.16851692	0.304532618
0.136733238	1.481104444	9.395916371	10.21646329	8.255359346	1.237555248	0.362890745

0.168828815	2.483750691	6.76238364	7.171913342	6.310176005	1.136563122	0.170290985
0.032703689	0.446405353	7.406804818	8.542561521	6.670420811	1.280663059	0.383014196
0.188055048	2.993462933	6.255499545	6.745008915	5.799341243	1.163064671	0.232858473
0.118857579	1.381718646	8.55508635	9.14921499	7.741510443	1.181838487	0.274210067
0.090990501	1.240446665	7.600200346	8.430270207	7.027522366	1.199607738	0.2938395
0.25441702	3.948108221	6.586512973	7.488836643	5.855121365	1.279023299	0.319268347
0.110527861	1.264817382	8.868200636	10.05459956	8.249781616	1.218771602	0.377269439
0.036960471	0.423351342	8.656454697	9.197994316	7.756687975	1.18581466	0.291814102
0.200747615	2.330367989	8.771114776	9.695940741	7.86944769	1.232099268	0.377216616
0.171855232	2.97729894	5.970688494	6.819854473	4.544923827	1.500543185	0.418637131
0.219181889	2.778976365	8.12062665	9.296161591	7.399051111	1.256399159	0.353552103
0.109813683	0.985316378	11.37288915	12.1992363	10.4868224	1.163291971	0.371058222
0.15710852	2.799378699	6.202366923	7.847238107	5.228417983	1.500881937	0.471744755
0.044088108	0.863683862	3.843608037	4.028316116	3.577028426	1.126162735	0.095716131
0.428008199	9.081335722	4.231821278	4.653137384	4.040346608	1.151667873	0.197114209
0.302471997	7.712378993	3.885609343	4.185807184	3.519982438	1.189155701	0.121748712
0.016994133	0.299451221	3.729596553	4.327134855	3.233871427	1.338066449	0.409571966
0.174137419	3.111093797	5.642357103	6.059694808	4.857829851	1.247407792	0.24956051
0.037784251	0.920842339	3.938870308	4.759712054	3.493389841	1.362490953	0.363663585
0.114816464	2.273609103	5.19113695	6.144670764	4.685592286	1.311396807	0.325110052
0.338018255	4.130251242	7.312194275	10.23371059	4.727533409	2.164704024	1.279015049
0.229986481	3.77890544	6.166658475	6.873216772	5.583661411	1.230951569	0.247856727
0.022860762	0.28495482	8.291332598	9.756105741	7.273346108	1.341350404	0.489775385
0.031713739	0.694063071	4.503146779	4.754484292	4.327273273	1.098725223	0.096343334
0.057183725	1.144854144	4.854387295	5.559049857	4.601524465	1.208088732	0.1403735
0.131552166	2.494502253	5.164531582	5.880528304	4.83553241	1.216107722	0.210742563
0.058788858	1.120299151	5.192548178	6.006874564	4.86150506	1.235599776	0.212406931
0.187451651	2.953926062	6.677452731	7.587309201	5.890131047	1.288139286	0.3615797
0.057388786	1.060725286	5.479087107	6.197250748	5.137291336	1.206326514	0.194742456
0.161899169	3.706656787	4.592617268	5.892308916	4.164769159	1.414798442	0.267600251
0.003903229	0.042978744	8.953792674	10.05274652	8.126464684	1.237038111	0.311930854
0.212330024	2.955456947	7.532638463	8.393095045	6.775966696	1.238656478	0.385740723
0.193178037	2.657702062	7.471457663	9.221492449	6.643672332	1.388011327	0.415580964
0.071679414	0.999777791	7.885595642	9.284000306	5.965189124	1.556363112	0.841783299
0.005854844	0.08773436	6.436829338	7.136620545	5.97436566	1.1945403	0.233332887
0.004490128	0.060871959	7.725916404	8.622692164	7.098483891	1.214723073	0.30330201
0.141044233	2.944295084	4.898932419	5.185637583	4.599100443	1.127533014	0.131504387
0.211078445	2.640179396	7.797541493	8.79383842	7.18408003	1.224073004	0.351500821
0.12518972	2.148971243	5.807593171	6.39902473	5.495616622	1.164387033	0.199851781
0.004574981	0.073481591	6.275011578	7.589518668	5.496480499	1.380796069	0.372919959
0.107847926	1.897911441	5.911762817	6.611608311	5.504443832	1.201140117	0.220503551
0.126950416	2.173265667	5.985604364	6.565143532	5.451795005	1.204216873	0.227744892
0.07275186	1.146005664	6.353549352	7.213326117	5.451585997	1.323161025	0.317732143
0.083477491	1.55191706	5.735633378	6.460780834	5.087546679	1.269920699	0.31213174
0.254563155	4.162376767	6.285936548	7.425558149	5.44154538	1.364604654	0.426809751
0.100764484	1.542337755	6.630715718	7.102036315	6.257703755	1.134926899	0.209569678
0.283571032	5.690656326	4.7073686	5.204617051	4.458574951	1.167327478	0.224519885

0.555071752	10.55601862	4.743120544	5.875634472	4.405716155	1.333638906	0.339882317
0.066496322	1.392106979	4.644391613	4.962222306	4.419282337	1.122857045	0.119048913
0.036119014	1.001544649	3.524904529	3.854040537	3.243330182	1.188297312	0.091196115
0.187383297	2.356136411	7.997551739	8.821750747	7.108217604	1.241063687	0.320305551
0.232012342	3.800841009	6.298142356	6.95543018	5.504580158	1.263571422	0.38751845
0.249028866	3.100401377	8.445547717	9.584392962	7.376127168	1.299380114	0.449612575
0.063575971	1.007988238	6.430591585	7.188563832	5.865322101	1.225604273	0.264433964
0.25309473	4.650985357	5.837221533	7.495873125	4.640729997	1.615235778	0.425273885
0.140265237	2.311766416	6.14874187	6.99971771	5.393923918	1.297704198	0.314182442
0.382495271	9.01540717	3.721500558	4.013821652	3.476449373	1.154575034	0.112473361
0.070689465	1.51107283	4.571231198	4.844213609	4.234737068	1.143923113	0.124376825
0.829514036	15.47793394	4.710831896	4.979697129	4.323927518	1.151660639	0.141955733
0.02509522	0.327183258	8.664500996	12.12055155	5.825251959	2.080691382	1.216311992
0.170278384	2.116093487	8.151535755	9.651567755	6.667193518	1.447620761	0.584896971
0.159099026	1.989374008	8.146128191	9.394741019	7.284046678	1.289769469	0.440203108
0.064907688	0.927569765	7.212546015	8.258626087	6.296243699	1.311675101	0.364976102
0.08714384	1.253625188	6.827638773	7.762910765	6.243673864	1.243324192	0.35282694
0.00145664	0.015999547	9.145874915	9.994554762	8.074076407	1.237857342	0.364139431
0.006137687	0.138810032	4.614628824	5.054813365	4.145658989	1.21930274	0.208189667
0.060073435	0.87104444	6.867377569	7.205267451	6.410368647	1.124002042	0.190881635
0.106848077	1.841367068	5.918482362	7.00032298	5.510043349	1.270466045	0.306494629
0.321613377	6.781435587	4.424302177	5.426068025	4.168334611	1.301735233	0.232239353
0.008877726	0.131616143	7.587781333	8.444096797	6.731424574	1.254429386	0.330027908
0.263803862	4.025415986	6.830318961	7.784865329	5.6034852	1.389289889	0.494349422
0.01519926	0.243183603	6.29689144	8.409441675	4.298221137	1.95649349	0.814962532
0.050696021	0.994518003	4.582914108	5.350714503	4.037911654	1.32511926	0.285622503
0.140314734	2.79991149	4.977911462	5.479729136	4.586995663	1.194622698	0.160263718
0.056964522	0.787053685	7.450324903	9.764660346	6.034517049	1.61813452	0.807937744
0.090969287	1.779560982	4.766161013	4.996239248	4.577404645	1.091500454	0.137804137
0.102867538	1.657202075	6.166747787	6.497227791	5.581632443	1.164037198	0.175188083
0.06231025	1.190005172	5.062484521	5.438925985	4.701906474	1.156749079	0.161096139
0.084916453	1.716934176	4.878062365	5.642243502	3.712209665	1.519915094	0.321869893
0.040458293	0.41181329	9.793507883	10.56856941	9.094168273	1.162126001	0.332676868
0.606690547	12.92837235	4.313694672	4.78522621	4.197144589	1.140114692	0.122013109
0.50939619	8.437053808	5.719465872	6.722232829	4.783929737	1.405169641	0.340653027
0.07366992	1.271379544	5.540814769	6.215897877	4.962165566	1.252658299	0.222491862
0.064650773	1.208335773	5.902519847	10.87249426	3.438470218	3.162014958	1.530721231
0.121459732	2.562654677	4.537380621	5.117248331	3.914337101	1.307309054	0.215597646
0.02629023	0.590519706	4.288614529	8.53399715	3.949007779	2.161048453	0.738910531
0.005854844	0.107111236	5.857488311	8.828444365	3.790540622	2.329072617	0.949754019
0.03549676	0.523686612	7.000525367	7.754825371	6.412810351	1.209270966	0.314292241
0.18793484	2.723463408	7.160982286	7.831803999	6.295838081	1.243965283	0.353704853
0.334160987	5.432968042	5.575131771	7.837545347	3.660708027	2.140991658	0.864586189
0.122251691	1.630698363	7.492360284	8.521976822	6.603621565	1.290500483	0.346920059
0.002093036	0.038504245	5.496565994	6.076227569	5.012957081	1.212104447	0.225072378
0.374328188	6.375000867	5.79936699	6.636875504	4.967583268	1.336037092	0.308996812
0.061535968	1.316950446	4.679462891	5.517823396	4.331928932	1.273756676	0.259395637

0.085840406	0.990374807	8.742470346	9.155387122	8.121353092	1.127322876	0.240879798
0.006675088	0.110393359	6.673927963	8.436184032	4.491324972	1.878328574	0.886596686
0.232249222	3.426968289	6.329099858	6.99434796	5.098644648	1.371805341	0.344646031
0.196474922	3.094337843	7.24338116	9.387232082	6.0787482	1.544270592	0.666740016
0.679216469	13.32638179	4.643468235	4.826418479	4.412199229	1.09388045	0.088164489
0.057098873	1.019110842	5.612841545	7.546224118	4.159478378	1.814223667	0.734586521
0.397401082	6.329040923	6.452204829	8.306001114	5.714249609	1.453559379	0.571683614
0.111574379	2.433938501	4.422091917	4.954325864	3.945251397	1.255769371	0.166089296
0.277037366	3.499255116	8.079645573	8.840486774	7.099989883	1.245140756	0.360577216
0.37586261	4.723790445	7.851284792	9.457506932	6.580461875	1.437210201	0.530598479
0.089102525	1.468205848	6.153034079	6.808075892	5.574081668	1.221380722	0.330284165
0.108883838	1.701385844	6.347706555	7.119031578	5.878607886	1.211006367	0.252301431
0.112227274	1.586970314	7.204054021	8.137766414	6.589934593	1.234878177	0.320525981
0.023739932	0.367347725	7.058289207	10.73990592	5.047808754	2.127637247	1.312338131
0.011313708	0.178640165	6.332509967	6.965769096	5.849807944	1.190768853	0.233496232
0.039081792	0.789053439	4.460027189	5.304916833	3.639081924	1.457762409	0.612139955
0.146102403	2.445413179	5.647667414	7.869611566	4.553419484	1.728286092	0.632587568
0.101674884	1.848137505	5.557053428	5.917376492	4.997533939	1.184059291	0.213560124
0.272094689	2.890023138	9.430915098	10.51127702	8.245319435	1.27481744	0.428537296
0.03108795	0.284318525	10.95232001	11.4156412	10.63233021	1.073672561	0.183962556
0.040527825	0.500820896	8.258309845	8.903334993	7.441491976	1.196444883	0.392788953
0.170073323	3.139734766	5.778102549	8.356808755	4.247340197	1.967539299	0.977152258
0.208338406	2.943367653	7.009181852	8.293124003	6.247542637	1.327421754	0.375839726
0.24289825	2.810092023	8.98424168	10.5155887	8.123265662	1.294502623	0.561551797
0.157578746	3.32096873	4.605757118	4.857888263	4.110490303	1.181826961	0.138383346
0.124945768	2.199244222	5.568163804	6.96846174	4.431954936	1.572322336	0.44298684
0.010949549	0.22409716	4.90824865	7.91507462	3.910574191	2.024018528	0.85423233
0.313128096	5.066905381	6.33545235	7.561938059	5.629745911	1.343211253	0.409564424
0.083848722	1.432002243	5.876357652	6.735809418	5.538786487	1.21611646	0.219980749
0.044667935	0.93118204	4.629243913	6.75345576	4.241482614	1.592239407	0.414356352
0.231662324	3.684046254	6.215700577	6.701212474	5.565991186	1.203956717	0.23156197
0.114208352	2.600272315	4.373027944	5.056504078	4.165871393	1.21379265	0.178185367
0.373766038	5.373489323	8.377717355	10.66984922	6.490473626	1.643924593	1.100226538
0.083014336	1.000929675	8.293764158	9.86327196	7.824417506	1.260575877	0.405677176
0.206114556	5.406717685	3.777287731	4.22580711	3.610206607	1.170516696	0.116066252
0.04714988	1.106647774	4.214899049	4.471194736	3.938530563	1.135244392	0.097211324
0.121028397	2.610507289	4.584192233	5.170573519	4.177712212	1.237656702	0.214791655
0.029192903	0.445603633	6.537813091	7.443440363	5.128991502	1.451248332	0.457203766
0.03540248	0.662145984	5.396713524	6.253423693	4.843511219	1.291093054	0.296702474
0.206383256	2.881362137	7.447755078	8.82622747	5.545198033	1.591688415	0.615858123
0.170893567	3.360989864	4.987706638	5.488918648	4.768823456	1.151000598	0.129495855
0.07347193	1.088977538	6.832969348	7.585969693	6.287496543	1.206516718	0.265859549
0.015754339	0.318990616	4.890050784	5.979568539	4.547309049	1.314968584	0.264451745
0.148407571	3.858000945	3.804510969	3.975397687	3.642777923	1.091309372	0.07438356
0.023419377	0.474788901	4.878463107	5.325507607	4.022181639	1.324034588	0.246075546
0.063469905	1.276034827	5.172684907	5.967227754	4.578398284	1.303343961	0.270156499
0.114798786	1.361673314	8.581654707	9.604879298	7.926734446	1.21170696	0.33038428

0.021149564	0.278374043	7.508183651	9.270248982	5.654296363	1.639505322	0.687982479
0.106801408	2.241529731	4.792794584	5.249230364	4.448998169	1.179867953	0.125956509
0.126140779	1.877977442	6.739253195	8.054610305	5.416035918	1.487178155	0.570015494
0.01940301	0.377776883	4.82435177	5.447690559	4.206796127	1.294973751	0.274223131
0.021870813	0.500855213	4.437350559	5.136442248	4.041526148	1.270916495	0.266561537
0.244906434	4.887090816	5.513022296	6.868314854	4.490962251	1.529363747	0.530893361
0.027442814	0.486543081	5.48764691	5.825331077	5.163532372	1.128167823	0.150135458
0.275679721	4.47186505	6.123559043	6.952114278	5.538014383	1.255344208	0.292264247
0.225789802	2.905711426	7.783011171	8.871540113	6.829059594	1.299086644	0.369373742
0.144245069	1.375703638	10.94855504	11.54791745	10.26043651	1.125480133	0.300875583
0.327241947	4.417303575	7.407227457	8.603249076	6.211573341	1.385035418	0.480404158
0.188500526	4.49373143	4.331287054	4.637801382	3.727686414	1.244150089	0.166272534
0.235714046	3.031088358	7.883715926	9.124466161	7.349269617	1.241547342	0.340158983
0.278288945	3.845365097	6.752497396	7.926766582	5.509926702	1.438633762	0.444509811
0.074352278	1.181734622	6.467765304	7.92614681	5.391043987	1.470243394	0.513045641
0.125348819	1.227596184	11.05266878	11.87998054	10.14449711	1.171076339	0.362002498
0.274916045	4.056754082	6.192499488	9.7111894	5.050279475	1.922901386	1.092695474
0.059015132	1.408628875	4.025256062	4.375997044	3.731787671	1.172627553	0.109541272
0.082484006	1.228844125	7.115891953	8.326562009	6.350157191	1.311237149	0.398003296
0.121728432	1.952796213	5.115012572	8.651526877	3.533760568	2.448249311	0.986577007
0.422114464	6.874314775	6.107915191	7.279121981	4.970141305	1.464570429	0.400913271
0.183916117	1.855675525	9.27174187	10.29813647	8.218617505	1.253025398	0.568282179
0.080323795	1.618158316	4.813766083	8.443367238	4.064437605	2.077376518	0.706030429
0.029443926	0.711385705	4.177004848	4.416828904	3.841183687	1.149861414	0.103292006
0.120287702	1.940168396	6.266000616	6.728184237	5.804038726	1.15922456	0.247497334
0.492026112	10.04524377	4.445802568	5.83972217	4.01987252	1.452713274	0.411803723
0.140774354	3.239371185	4.422790829	7.704448194	4.101044624	1.87865505	0.56644873
0.075860773	1.889291318	4.021781019	4.432585607	3.648547142	1.214890595	0.154141979
0.003885552	0.059374178	6.72995878	7.642859761	6.218447135	1.229062432	0.293567752
0.033644141	0.672525843	4.587833912	5.466644325	4.263876713	1.282083112	0.235953502
0.069984715	0.860160596	8.146866441	9.024825321	7.387487376	1.221636649	0.407063656
0.178426022	2.679089161	6.621514143	7.336058878	5.878774623	1.247889118	0.278023381
0.218474782	2.471300211	8.690647881	12.66950944	6.918551273	1.831237342	1.086513544
0.004787113	0.06264578	8.011146288	8.669720812	6.984354552	1.241305943	0.347634434
0.0537684	0.577812694	9.37855397	10.20083572	8.648798376	1.179451211	0.298932473
0.11757418	1.534562173	7.897546328	8.775703396	7.327100768	1.19770475	0.334237969
0.146463028	2.712681518	5.724454671	6.237383996	5.165972383	1.207397859	0.216498123
0.046237712	0.724269601	6.538078919	7.800822406	5.897631053	1.322704377	0.361566708
0.064307826	1.15931512	5.338163354	5.726210461	4.950133011	1.15677911	0.181762901
0.094667456	1.85223759	4.669042606	7.298263735	2.093992198	3.485334731	1.109675878
0.386267686	7.530799738	4.813301513	6.149052955	4.397153144	1.398416829	0.361227495
0.038982797	0.854009514	4.471721746	4.708490524	4.287447074	1.098203766	0.098574289
0.500362901	11.530389	3.652360996	4.116292705	3.378156064	1.218502824	0.159624685
0.108795449	1.544322549	7.070643803	7.983092008	6.365820178	1.254055532	0.400819042
0.203542101	2.877141043	7.116715314	7.561686037	6.490799592	1.164985289	0.277519465
0.152803418	1.741004333	8.835830087	9.758387496	8.162456159	1.195520969	0.378926464
0.027492312	0.354271644	7.775344943	8.553349078	6.84894554	1.248856343	0.373139732

0.002340523	0.036222115	6.260920418	7.113844042	5.436418529	1.308553417	0.26781874
0.406155064	5.34912091	7.419206642	9.644465699	6.234680529	1.546906157	0.695672675
0.217704036	2.800159279	7.905222928	8.63617319	7.234863081	1.193688546	0.287671897
0.337374787	4.512360967	8.130769122	9.954413188	4.565020159	2.180584716	1.399970119
0.815428469	14.02249512	3.859855649	4.304389594	3.523204044	1.221725889	0.159794991
0.69034835	11.29899072	5.747549625	7.574329552	4.38755627	1.726320778	0.603627162
0.29110172	4.331912425	6.96087401	14.31506662	3.834707038	3.733027445	2.522598247
0.186419275	2.767230011	6.530335523	7.526340204	5.668601288	1.327724393	0.368410149
0.259907704	4.197870921	6.142422161	6.882985272	5.635167019	1.221434121	0.240205415
0.194327086	3.338652281	5.533924201	6.578744907	5.08764237	1.293083206	0.310158944
0.12412906	2.177479828	5.805745074	6.259025894	5.544060662	1.128960572	0.160051953
0.00933381	0.192857796	4.829992786	5.217550923	4.537426692	1.149892059	0.139045155
0.043974971	0.723326076	6.12530817	6.87406054	5.568289252	1.234501339	0.25253037
0.308878384	4.57005694	7.219426191	8.462319306	5.569152005	1.519498713	0.656858263
0.029677272	0.495004768	6.341258569	8.059149877	5.179984509	1.555825092	0.576945358
0.030141605	0.703512737	4.179575627	4.473168276	3.996307863	1.119325245	0.096263044
0.021214971	0.404986993	5.333566697	5.911582282	4.863361855	1.215534122	0.249794212
0.136895873	2.532610846	5.856989236	7.134450303	4.423427009	1.612878496	0.588876222
0.217437103	4.08525338	5.47058136	8.178622732	4.482210007	1.824685305	0.690514431
0.03343908	0.803573094	3.992086133	4.264410189	3.734076368	1.142025435	0.120238581
0.087211015	1.323270339	6.364557779	6.992351477	5.732342468	1.219807001	0.269740405
0.067924677	1.220454838	5.105027336	5.502471581	4.895519509	1.123981136	0.198123705
0.097792868	2.722024722	3.535894778	3.982303198	3.155287918	1.262104537	0.152946042
0.266133779	4.164423193	6.610222854	7.345329978	5.821360762	1.261789172	0.346000721
0.430260334	8.184157286	5.255794247	5.992069945	4.843244869	1.237201526	0.265131756
0.267604561	5.110575362	4.98294964	7.140447923	4.353201373	1.640275124	0.643125604
0.187611928	3.321583137	5.234109685	6.194857352	4.584585793	1.351235996	0.31520631
0.062239539	0.768948057	8.885585019	11.11156555	7.675518235	1.447663234	0.856006213
0.041245539	0.783463755	5.474610923	6.155832218	4.984510088	1.234992428	0.267141299
0.243499291	3.20289015	8.082821081	9.443974722	6.710549784	1.407332488	0.648836969
0.039339886	0.524688807	7.636170188	8.432051714	6.904061753	1.22131754	0.345116573
0.029415642	0.679183964	4.395586758	4.744161587	4.176189395	1.136002499	0.124113144
0	0	5.195383147	5.769896736	4.581941188	1.259269052	0.26539254
0.198350523	3.315253266	6.306881236	6.882787021	5.597352203	1.229650515	0.282489477
0.005333942	0.093032343	5.624188893	6.732840019	4.624761289	1.455824333	0.34932097
0.975807358	13.95665758	7.105112688	11.0150077	5.771212583	1.908612366	0.973270411
0.018501449	0.293323962	6.41168898	9.567946667	4.069877275	2.350917735	0.925937146
0.227249977	2.865517833	7.138283882	10.38956212	4.081965138	2.545235388	1.309689024
0.154382624	1.978024189	10.00194186	10.97150359	8.525855253	1.286850792	0.606167954
0.362194235	7.936603594	4.14741159	4.341145161	3.872904389	1.120901712	0.091630272
0.09058745	1.270122848	7.823051644	8.960006454	7.041494802	1.272458009	0.453564977
0.727471456	13.69090961	4.296095897	4.495412526	3.972288104	1.131693474	0.102722251
0.342338677	4.440745812	7.810601361	8.710385949	7.162997699	1.216025233	0.310710623
0.018483771	0.333769348	5.495117459	6.00999548	4.840973204	1.241484972	0.25618521
0.201465329	3.27019807	6.272962737	7.333682976	5.298580911	1.384084361	0.3926926
0.34136287	5.418397117	6.242654532	7.813080507	5.28351872	1.478764611	0.560645909
0.209494526	2.943887832	7.221975467	8.276454946	6.309800473	1.311682514	0.450522205

0.151235998	2.34848699	6.800510832	8.101100615	6.120146136	1.323677643	0.426887012
0.144186144	2.489119321	6.032418947	7.102057202	5.135300825	1.382987569	0.35292213
0.056805423	0.959608257	5.846333798	6.262778454	5.491687207	1.140410627	0.170917528
0.005635641	0.120160684	4.720481112	6.323856903	4.252046079	1.487250323	0.337399555
0.125469027	1.854493812	6.841529194	7.528767014	4.652235354	1.618311724	0.466525907
0.085255865	1.820000758	4.693258218	5.350011214	4.40339997	1.214972805	0.177773069
0.06840551	0.839865904	8.149442498	8.754911827	7.566189727	1.15710974	0.245983791
0.018264568	0.170857172	10.86305424	11.40865304	10.00060141	1.140796695	0.374182023
0.189695536	2.423691456	7.916743068	9.521163422	7.205544545	1.321366257	0.532001654
0.090608663	1.685480647	5.259480498	5.638588556	5.036472271	1.119551196	0.125085283
0.153710872	2.207994156	7.175380321	7.942531733	6.424483076	1.236291175	0.285746774
0.082342585	0.971275337	8.198321479	9.352832889	6.988338332	1.338348609	0.461730136
0.063448691	0.866944545	7.315223172	8.220512058	6.174888417	1.33128107	0.374002218
0.185954941	1.947071437	9.768290572	10.75960198	9.140131149	1.17718245	0.340505667
0.149291455	2.343939051	6.389777518	7.955686972	5.683437124	1.399802056	0.537453376
0.043076945	0.93903889	4.533994778	4.721300744	4.291533356	1.100143085	0.085415792
0.01668772	0.259917687	6.660909151	7.370642337	6.054449147	1.217392724	0.266387829
0.260597133	3.483641969	8.595915165	9.584970521	7.574984552	1.265345224	0.502010304
0.054871486	0.913428227	6.181182269	6.704206877	5.599132268	1.197365334	0.271151932
0.03099249	0.388629968	8.113979383	8.754643576	7.559544326	1.15809144	0.275441886
0.250966339	3.037897339	8.229880901	9.145890534	5.22025638	1.75200026	0.697930187
0.477480925	9.773356628	4.878000012	6.031753383	4.380844175	1.376847279	0.300141621
0.137786827	3.208632908	4.011853022	4.76743982	3.433007531	1.388706485	0.30955881
0.055253324	1.148687655	4.870747408	5.673183404	4.521677809	1.254663345	0.270944275
0.072602189	1.582878121	4.368528651	4.685234632	4.131678981	1.133978378	0.141585094
0.086903423	1.067639899	8.421424872	9.366733892	7.883325585	1.188170372	0.276854965
0.092227937	0.962755424	9.614109408	10.21512938	9.05871953	1.127657098	0.230515641
0.16359976	2.096026431	7.772783824	8.80690911	6.950162781	1.267151488	0.355916194
0.236997444	3.704780967	6.448096163	6.943508362	5.772924459	1.202771388	0.311074356
0.249325851	3.771466084	5.993392891	6.784872343	5.042733654	1.345475055	0.419761399
0.04502856	0.729971604	6.186507456	7.154287979	5.646034416	1.267135028	0.263883215
0.015421999	0.219146494	7.248583108	8.038977697	6.509536746	1.234953886	0.380949324
0.186244855	3.348323709	5.675636215	6.298719994	5.275589288	1.193936762	0.201328757
0.114996776	1.395574772	8.682751283	10.21753822	7.087319304	1.441664723	0.491430317
0.085584669	1.862905712	4.502358982	4.847682599	4.211123332	1.151161393	0.13418223
0.163454804	3.614964303	4.395343147	4.656805788	3.91472107	1.189562603	0.122356431
0.471258385	6.138964854	6.368271677	8.538873451	5.102136827	1.673587703	0.742237321
0.082865844	1.472123918	5.455727737	5.653670623	5.148487526	1.098122622	0.129377929
0.580336677	8.171206864	6.559681164	7.756495763	4.65973574	1.664578464	0.697533309
0.079174746	2.160440092	3.581489809	3.980029001	3.344314093	1.190088278	0.136637605
0.058154819	0.867333706	6.531351746	7.233164216	6.057939551	1.193997424	0.271603331
0.092797158	1.245118426	7.607421711	8.525891535	6.598345049	1.292125748	0.373138171
0.027322606	0.531389538	5.036068011	5.5191789	4.560381318	1.210245046	0.155581067
0.140268772	1.942607625	7.403809547	8.097727568	6.391943755	1.266864647	0.372784696
0.021085924	0.500815503	3.820764896	4.117497787	3.46726995	1.187533087	0.127305944
0.024023953	0.406192813	5.903441182	6.464703942	5.184398355	1.246953552	0.227078531
0.239263722	4.175272232	5.872516418	6.804196127	5.443591221	1.249946194	0.326119621

0.024826519	0.370943807	7.128711981	8.175702646	6.409197135	1.275620405	0.3630539
0.03019346	0.462615402	6.154312277	7.076506848	4.911173327	1.44089943	0.550470302
0.03675541	0.645888674	5.712322864	6.886075966	5.269374649	1.30681085	0.348162283
0.053842646	1.148640583	4.868517642	5.435484847	4.332873766	1.254475699	0.23125915
0.115039202	1.672340648	6.943821809	7.804590843	5.878685717	1.327608112	0.390907289
0.19004909	2.829075364	6.530902638	6.996360528	6.233917484	1.122305604	0.17295742
0.050612346	0.672525735	7.673763308	8.288072336	7.317113436	1.132696986	0.242687203
0.134010877	1.707488331	7.576926716	8.304748394	7.251043642	1.145317668	0.240957019
0.111328659	1.627860462	6.929569646	7.777680078	6.307925664	1.233001226	0.310849449
0.04118897	0.655539488	6.481614979	7.093911462	5.881896571	1.206058518	0.21332902
0.051423162	0.652883509	8.074288302	8.903207812	7.391371427	1.204540713	0.29351538
0.055380603	1.212055481	3.258604446	3.426683999	2.965989331	1.155325801	0.075739154
0.020258609	0.281966249	7.185716013	8.547728301	6.095605509	1.402277147	0.475167856
0.041518482	0.747642084	5.779282641	7.130602641	5.261706917	1.355188108	0.410295278
0.095827111	2.026007981	4.553385057	4.783076925	4.194890977	1.140214836	0.111592623
0.033142095	0.872534648	3.738752704	4.018235494	3.487474737	1.152190567	0.117052899
0.038926228	1.008679337	3.816055529	4.641343156	3.349440794	1.385706881	0.203789912
0.018215071	0.300667848	5.92952408	7.190185084	5.5159221	1.303532746	0.264412596
0.139745513	2.914664942	4.862489149	6.942310136	2.817748511	2.463779187	0.873162616
0.138352513	3.031754054	4.332261333	4.668681534	3.899006309	1.197402919	0.150667559
0.02328974	0.415807766	5.828982574	7.821632519	3.351720878	2.33361691	0.858621827
0.094066415	1.581729756	5.800471322	7.445544383	5.204231215	1.430671328	0.383323085
0.106865048	1.469112368	8.082632168	10.15290657	6.203628152	1.636607856	0.871445149
0.08903535	1.31017454	6.855102488	9.726496773	5.843005617	1.664639299	0.751185942
0.009890067	0.158448115	6.159463214	8.26895606	5.161731213	1.601973392	0.486774734
0.014987128	0.269393126	5.314355577	5.620191781	4.971847624	1.130403063	0.147125308
0.362774063	6.017024983	6.650108507	8.291971851	4.471556639	1.854381487	0.765934777
0.149850069	2.201994188	6.795381402	7.336746152	5.800069769	1.264941017	0.309583104
0.113787623	2.439828195	5.05997998	6.161302605	4.021549763	1.532071706	0.484497539
0.078110551	1.161828417	6.727711252	7.801462876	5.735873247	1.360117726	0.325379533
0.157741381	2.826549965	5.589737088	6.24202968	5.039414579	1.238641827	0.273900803
0.030654847	0.666381463	4.538090779	5.130015756	4.144779383	1.237705383	0.210070902
0.055988715	0.885570218	6.423319888	6.897414875	5.845885335	1.179875157	0.233639061
0.204587205	3.147489666	6.378546122	7.564395931	5.517506554	1.370980869	0.421060168
0.258769262	6.389448631	3.949108545	4.149812629	3.49084074	1.188771685	0.136507675
0.01410678	0.225946096	6.173772815	8.083798982	5.167643576	1.564310476	0.615596489
0.000968736	0.019197257	4.858226899	5.14389128	4.352844151	1.181731094	0.137265816
0.009524728	0.201286967	4.62141166	5.111640091	4.266344215	1.198131195	0.144609165
0.121664793	2.696352045	4.456368679	4.857804086	4.115650408	1.180324761	0.136706915
0.303469017	5.461701458	5.460254871	7.724156252	4.760414687	1.622580544	0.600260759
0.266063069	5.015788905	4.686527544	5.147742296	4.443870888	1.158391507	0.171791783
0.035902168	0.732692356	5.347062619	8.506034402	3.033977675	2.803591626	0.920770043
0.398391032	5.120339336	7.96732765	9.075891818	7.289726577	1.245024998	0.359147488
0.238372767	2.801548156	9.213347312	10.368665	7.752472076	1.337465637	0.591529053
0.037434233	0.856302064	4.383909526	9.996760053	3.632521456	2.752016794	1.119381125
0.037533228	0.448342815	7.445898468	9.48087618	4.907520243	1.931907707	0.783520015
0.435514138	6.034084852	6.427529784	8.570038439	2.932652861	2.922281922	1.011604805

0.103881057	1.113967092	10.47329389	11.09360944	9.914149746	1.118967306	0.304681276
0.381710383	5.731274614	6.535807102	7.72149114	5.294174267	1.458488284	0.463364892
0.637782032	9.630266814	6.81433501	10.04865768	4.374312801	2.297196872	1.003952046
0.017921621	0.274880418	6.413757959	7.792215698	5.500227627	1.416707858	0.569601045
0.055037656	0.877755512	6.400081641	8.06314033	5.658907708	1.424858073	0.477373216
0.180630427	3.250827113	4.835977171	5.745190769	3.198314274	1.796318397	0.743956501
0.079492944	1.653815519	4.616716254	5.274098666	4.432582065	1.189847946	0.21597486
0.046819308	0.851530348	5.588072364	5.885917388	5.334998032	1.103265147	0.113827063
0.365722698	5.477900527	6.864244155	7.826358129	6.171545434	1.268135869	0.275344838
0.407364217	6.310104259	6.384443609	7.130937775	5.25940278	1.355845535	0.39403785
0.106030662	1.736619103	6.358016298	7.24418051	5.398049535	1.341999636	0.405796056
0.302217438	6.057294238	5.157445493	5.89804355	4.173548602	1.413196326	0.297365697
0.029620703	0.466544084	6.266334667	6.843658773	5.761093084	1.187909772	0.190207905
0.003556747	0.053191213	6.764692413	9.177674672	5.020946394	1.827877446	0.848340595
0.086238743	2.087797042	4.174447753	4.660574975	3.780017843	1.232950523	0.165041361
0.079492944	2.25093613	3.504716158	3.779149997	3.162816245	1.194868656	0.121036522
0.081366777	1.530114621	5.261808568	5.811438318	4.963735684	1.170779165	0.168426931
0.152322586	1.936852358	7.963852147	9.351593671	6.981592609	1.339464245	0.4223079
0.206287797	2.508458662	8.517683549	9.200258897	7.643734942	1.203633952	0.409794027
0.071792551	0.884257077	8.780920992	9.778290909	8.027319745	1.2181265	0.449594587
0.103407296	1.825727796	5.599832594	5.954661865	5.155839841	1.154935384	0.167780634
0.254798858	4.34477123	6.054633395	7.418638498	3.772441167	1.966535241	0.546379318
0.167421673	2.197573101	7.697214709	8.79159496	6.511062471	1.350255047	0.458752884
0.151391562	2.521000464	5.84073478	6.700308971	5.364177274	1.24908418	0.253890237
0.064106301	1.300584935	4.756163545	5.227132898	4.412013284	1.184750036	0.202704639
0.137607694	2.265806383	6.152436519	7.077990865	5.588159532	1.266605011	0.303913585
0.140926381	1.786309798	7.849533299	8.317894498	7.50722891	1.107984664	0.189126279
0.025841217	0.432940329	5.91680186	6.535544965	5.417973276	1.206271171	0.258973533
0.211948187	2.661961495	8.151874835	8.673895565	7.659400649	1.132450953	0.237697014
0.300569879	4.379987922	7.165510897	8.083303627	6.504677367	1.242690939	0.302462057
0.154524045	1.769352301	8.933000469	9.417786332	8.419645717	1.118549004	0.24826775
0.097375675	1.139216669	8.544864644	9.590377616	8.072859422	1.18797778	0.314897553
0.312449273	3.539375738	8.688381149	9.310649506	7.953520998	1.170632417	0.325443919
0.007042784	0.081971837	8.70474136	9.524525223	7.981248153	1.193362873	0.327965119
0.348872344	4.330439942	8.05420034	9.010968352	7.036518847	1.280600329	0.31807784
0.128969206	1.582073669	8.49880854	9.05760832	7.964227561	1.137286479	0.286885097
0.416846519	8.125189664	4.682765126	5.615362997	4.273775026	1.313911697	0.337916196
0.016380129	0.378897693	3.808676214	4.626933817	3.492369255	1.324869588	0.15141364
0.166725172	2.206368636	7.301597971	8.211794374	6.740071646	1.218354167	0.313975382
0.256425203	3.400199354	5.99994777	9.70349118	3.899253092	2.488551256	1.286191232
0.170695577	2.157237114	8.664666309	10.05768604	6.399356346	1.571671508	0.820242085
0.182051712	3.931296576	4.620470063	7.35202023	4.244497324	1.732129783	0.548422115
0.137532269	2.386407093	5.682359876	6.067702329	5.117872664	1.185590718	0.204155578
0.170791036	3.847516553	4.360419505	4.833301459	4.108254527	1.176485397	0.161663078
0	0	4.133820475	4.515230686	3.676623173	1.228091777	0.147074684
0.172328994	4.288743361	3.924800979	4.322205246	3.436392601	1.257773994	0.138382696
0.119253559	2.918824014	4.053617806	4.376234202	3.506031692	1.248201553	0.143120296

0.011860538	0.236827169	5.042547488	5.614850676	4.834571216	1.161395794	0.176780194
0.025396919	0.454575653	5.997463387	6.434370163	5.588640092	1.151330209	0.206152625
0.307287394	5.952515013	5.912301866	8.575566899	4.496984672	1.906959335	0.688746781
0.179926856	2.54218602	6.887805766	7.693657122	5.806909787	1.32491418	0.323586592
0.059382827	1.650486064	3.577093623	4.449935469	3.247726254	1.370169503	0.176727101
0.016136177	0.263770157	5.857808313	6.551510778	5.230681575	1.252515697	0.317592437
0.286844937	6.169517758	4.657289629	10.42945307	3.672116576	2.840174828	1.39118917
0.051951135	1.116729145	4.141799947	4.673770727	3.979732004	1.174393332	0.187686771
0.135460446	1.544394659	8.409363992	9.470067916	7.000493518	1.352771471	0.458658417
0.13161025	1.787085381	8.553910268	9.440245846	7.923907701	1.191362419	0.365585107
0.059340401	0.815391536	7.531602893	8.392978788	6.907531605	1.215047468	0.376304017
0.194645284	2.428113188	7.902201706	9.310093543	5.890668363	1.580481699	0.802090476
0.176005949	2.650881389	6.650811685	7.357017147	6.293640832	1.168960439	0.262960389
0.351619454	4.661623851	7.449216844	8.168847487	6.653242574	1.227799437	0.34392756
0.101102128	1.814601225	5.526948956	6.200114955	5.15240386	1.203344133	0.208334918
0.169599561	1.97354311	9.194963707	9.975141537	8.549093726	1.166806899	0.346005112
0.408615796	4.766521961	8.612974227	9.580875439	7.760002735	1.234648462	0.401696126
0.133268415	1.401681876	9.408310102	9.984114225	8.933101558	1.117653724	0.253723551
0.99853377	19.33950203	4.739481203	5.350270815	4.013387234	1.333106053	0.368818629
0.125612806	1.891724075	6.863047643	7.635579143	6.334868614	1.205325573	0.309606633
0.042755212	1.271444274	3.250408329	3.465733942	3.013183498	1.150190138	0.107943808
0.02410527	0.424583239	5.725946154	7.181464575	5.110215779	1.40531533	0.368547902
0.084360196	1.095809707	7.876858024	9.218700413	7.040841638	1.30931796	0.376755685
0.057579705	0.73922788	7.878174944	8.43740754	7.48255332	1.127610747	0.240674703
0.209978894	2.975270722	7.29789407	9.042175874	6.324705376	1.429659618	0.500454691
0.012324871	0.165223736	7.731817363	8.589797802	7.330018764	1.171865732	0.310996516
0.12952782	1.669608762	7.831349406	8.840355915	7.25683312	1.218211273	0.340369463
0.163765931	2.004116235	8.258556968	8.897209135	7.251394762	1.226965215	0.323606626
0.433726572	7.077036969	5.609960307	6.124049616	5.182197664	1.181747593	0.201402577
0.079648508	1.149181631	7.080385481	7.582166907	6.551271567	1.157358053	0.276011314
0.125836723	2.401462568	4.779613533	6.18533616	3.981814967	1.55339618	0.417868536
0.007775818	0.129071607	6.143093016	7.022243043	5.319370026	1.320126821	0.371700076
0.302665273	3.980093426	7.448075089	8.160751878	6.969741411	1.170883021	0.225547804
0.092220866	1.354154566	6.670668244	7.561607434	6.121510798	1.235251833	0.277550155
0.097499419	1.412859639	6.707344216	7.42004519	6.219895626	1.192953329	0.276178386
0.224624254	3.427954251	6.774140394	7.542491113	6.148800978	1.226660472	0.276337889
0.088664119	1.145632708	7.80283948	8.765109046	6.764799847	1.295693774	0.412519356
0.255777022	3.169064648	7.806362923	8.507498681	6.126743931	1.388584014	0.381682393
0.038579746	0.489708307	8.095498455	8.897338349	7.486320662	1.188479462	0.334748303
0.037147855	0.440067556	8.172395447	8.870139774	7.578174563	1.170485016	0.287502177
0.020213354	0.354173097	5.755215923	6.068367237	5.217634864	1.163049427	0.165207323
0.05088694	0.847968148	6.060629752	6.845011863	5.576008881	1.227582669	0.255144858
0.018331743	0.325674966	5.563756707	6.118841179	4.772235653	1.282174985	0.262266041
0.082498148	0.997971288	8.403609894	9.113657876	7.517311955	1.21235595	0.317421126
0.072527943	1.646684283	4.660906843	8.072600619	3.896942228	2.071521759	1.214376717
0.151151146	2.179807652	7.004446785	7.967346411	6.19930324	1.285200304	0.338124507
0.121820356	1.913391439	6.49995714	7.221828327	6.091290034	1.185599157	0.243551384

0.2384258	3.688493511	6.187499058	7.831103739	5.0308516	1.556615929	0.531817506
0.110036422	1.737977802	6.042556694	6.819635164	5.168507806	1.319459198	0.318287658
0.034655303	0.583434954	5.993688401	6.747693283	5.529217723	1.220370335	0.273562421
0.229912234	3.113548372	8.071296258	10.02764365	7.214551642	1.389919173	0.517813417
0.130305638	2.941486109	4.423068378	4.897514271	4.131861958	1.185304427	0.154912847
0.162761839	2.730821896	6.087023063	7.708962576	4.885429111	1.577949941	0.512063684
0.014361339	0.281134236	5.05823381	5.917142534	3.626184257	1.631782092	0.391987286
0.011380884	0.208713857	5.566297066	6.188164245	4.92480973	1.256528594	0.242097323
0.091287485	1.674649215	5.386296873	6.527773641	4.072613159	1.602846474	0.496480065
0.147516617	2.583703715	5.725614152	6.854745652	4.829628016	1.419311307	0.384880042
0.121763788	1.986602544	6.096292841	9.202095127	5.501375049	1.672690018	0.582762103
0.120049054	1.615170999	6.846870566	8.82493982	4.86043661	1.815668124	0.807223707
0.058619152	1.324568792	4.232196069	4.45807534	4.052117594	1.100184098	0.137619213
0.347670262	4.723096738	7.702923367	9.312084498	4.57678103	2.03463623	0.922713962
0.013201684	0.164328905	7.889599271	8.715743188	7.229585534	1.205566093	0.312141054
0.349478099	3.894873431	9.009970476	9.669805361	8.237364237	1.173895567	0.382150524
0.254042253	4.482184513	5.443330213	5.950696881	5.118441333	1.162599411	0.210079843
0.122475609	1.642877191	7.453425918	7.909096626	6.498127369	1.217134749	0.275980677
0.208667211	3.110138799	5.646274663	7.318426766	3.349718818	2.184788385	0.704084702
0.169360913	3.27948186	5.051502034	5.616993296	4.041847041	1.389709516	0.341256221
0.043055732	0.877886361	5.000161509	7.991084816	4.515952428	1.769523692	0.564811599
0.119882884	1.750054522	7.555640238	8.935284596	6.916764782	1.29183005	0.469827899
0.073814877	1.54528577	4.674123427	5.112660526	4.28373041	1.193506602	0.153362508
0.302733626	6.617042392	4.37482519	4.727920775	4.178750306	1.131419786	0.135170129
0.227295939	3.764345369	6.425576742	7.129572163	5.77348802	1.23488126	0.293498199
0.110249732	1.547562811	7.678827849	8.957404314	6.750427671	1.326938788	0.554519861
0.219881925	3.415463347	6.203444055	7.263285869	5.426472335	1.338491274	0.357205181
0.011004939	0.164504662	6.838131837	7.673833837	6.095511622	1.258931869	0.353668644
0.068228733	1.2305133	5.401824651	6.194135397	4.689951775	1.320724752	0.332219437
0.095597301	1.477797158	7.349360245	8.745519708	6.209243554	1.408467816	0.535034487
0.258461671	3.200323304	8.171172575	8.994339076	7.628299041	1.179075312	0.307545931
0.160690016	2.323139984	7.246037254	8.295940159	6.183547968	1.341614911	0.42308438
0.088561589	1.727911455	5.460541438	7.106347429	4.446910325	1.598041541	0.549623078
0.291681547	7.08713317	3.879610264	4.196944817	3.719703031	1.128301045	0.119296925
0.044477017	0.688890863	6.643357912	7.184534827	6.146990378	1.168789015	0.267979808
0.034920468	0.787695047	4.326165157	4.645903187	3.969784435	1.170316238	0.113844552
0.556570819	8.53873749	6.598436854	7.65519323	5.833838991	1.312205092	0.352219501
0.183582598	3.039638516	5.979358236	7.167937813	5.557654576	1.289741512	0.29848405
0.019028243	0.314270937	6.07485534	6.857430167	5.723511545	1.198115897	0.238200555
0.187970196	3.708960174	4.894820743	5.154881615	4.619654121	1.115858781	0.136196616
0.202632055	2.808446818	7.045051134	7.748081028	6.461501993	1.199114546	0.269690929
0.032130932	0.536092603	5.849852822	7.849177812	5.141716745	1.526567526	0.574424595
0.080405112	1.080977804	7.179216777	9.230834546	5.764133733	1.601426159	0.720426917
0.191767359	2.420900658	7.927662273	9.008656635	7.38829483	1.219314719	0.302078079
0.079982027	1.549943867	5.297724816	5.79050214	5.051483747	1.146297292	0.150482286
0.057950936	1.275687334	4.534431869	5.057294467	4.107739738	1.23116234	0.237560509
0.014205775	0.28145208	5.041133186	5.516289266	4.772274495	1.155903599	0.155602662

0.200641549	2.732444501	7.400849314	8.19563145	6.906712705	1.186618265	0.230990309
0.095713974	1.311492416	7.76676642	8.895087972	7.088617025	1.254841098	0.484604163
0.277694975	3.425064193	8.008545073	8.871222907	7.087022114	1.251756064	0.41904378
0.232800766	3.843957288	7.251262241	9.617769978	3.736235278	2.574187454	1.03687308
0.009775751	0.185910159	5.893386748	6.990796719	3.972976271	1.759586829	0.633393831
0.101321331	2.43802767	4.10825446	4.416464968	3.917203938	1.127453418	0.115080595
0.103511594	2.56007235	4.03262675	4.250016045	3.76497028	1.128831233	0.089278888
0.141371859	3.239928191	4.387473732	4.925940873	4.145280419	1.188325125	0.152305654
0.04542454	1.162487373	3.764974721	4.046043574	3.329157394	1.215335623	0.13590672
0.13952631	1.747564247	8.909356825	10.41598684	7.293931687	1.428034602	0.57251743
0.441863956	9.45274091	4.37835523	4.658078269	3.980936195	1.170096189	0.124912944
0.350880527	4.321147165	7.666315683	10.78293516	6.291778076	1.713813651	0.874290115
0.040835417	0.712809651	5.705620829	7.466130956	4.829369169	1.545984723	0.592425721
0.133190633	2.364373568	5.551495185	5.897708204	5.324825467	1.107587139	0.169280369
0.052180945	0.694978123	7.724164343	9.222802765	6.749306791	1.366481485	0.534743686
0.025180072	0.376088879	7.207095702	8.461338167	4.133921922	2.046806477	0.791571759
0.038756523	0.544150044	7.602946511	9.167359906	6.728853122	1.362395603	0.542152231
0.015881618	0.208788279	7.589436859	8.618192072	6.932088533	1.24323168	0.369671643
0.0257599	0.388214031	7.410631368	8.456089401	6.514961231	1.297949305	0.405405989
0.164197266	2.716611888	6.073496637	7.923157113	5.518805087	1.435665328	0.444131676
0.156822142	1.714257194	9.072687087	10.3124296	8.029052172	1.284389412	0.547778177
0.026170022	0.558562548	4.629076388	5.006748968	4.423543754	1.131841177	0.142796039
0.114367451	2.132273075	5.279007571	8.661746977	4.162722171	2.080789114	0.815132477
0.300435529	6.302933765	5.022568183	5.415954297	4.729069852	1.145247261	0.180585701
0.079584868	1.303109142	7.248841594	8.538298438	6.386372753	1.336955854	0.547415597
0.029274221	0.640657096	4.516584753	4.849038953	3.985856303	1.216561407	0.153447444
0.045177052	1.102455951	4.020690956	4.447847915	3.524571837	1.26195411	0.185477704
0.073450717	0.690068716	10.57365672	11.07032669	9.905727573	1.117568256	0.242806118
0.190798623	3.446568625	4.988360689	5.480666253	4.754759072	1.152669603	0.152462321
0.091860242	1.561692549	6.077423238	6.508838465	5.763595976	1.129301653	0.180767128
0.020612163	0.344445002	5.747355562	6.855391143	5.265171428	1.302026199	0.282315461
0.143375328	3.315848364	4.158363932	4.487662817	3.743656665	1.198737817	0.105737334
0.106037733	1.68541138	6.329691851	7.161780836	5.780053644	1.239050929	0.327888336
0.08928873	1.007474785	8.862030033	9.398375154	8.130758209	1.155903904	0.231537714
0.129453574	1.58205674	8.220618976	9.223786805	7.738498118	1.191935007	0.308012677
0.228133861	3.415197758	6.798059621	7.376266006	6.127676208	1.203762365	0.243700161
0.171692598	1.906054308	8.982273419	9.870979768	8.141621173	1.212409612	0.365607376
0.085722555	1.1553699	7.768933161	8.70233593	6.947867438	1.252518993	0.446690407
0.00984764	0.116039086	8.586289477	9.318946845	7.882416857	1.182244864	0.243822675
0.086267027	0.916766059	9.609517486	10.93111474	9.054504688	1.207257063	0.390334204
0.098153492	1.086177081	9.101214805	9.873272877	8.61078335	1.146617268	0.308457595
0.117478721	1.262743817	9.442342553	10.62616012	8.835300019	1.202693751	0.380810937
0.072351166	0.980221286	7.457394144	8.62488585	6.212562995	1.388297528	0.419908017
0.177929279	2.623461251	7.540349409	8.745004055	5.503666176	1.588941585	0.573404901
0.183536636	2.681746738	7.206570761	9.152790801	5.196916851	1.761196314	0.765629653
0.054687638	0.680322416	8.183500175	9.030054542	7.747118157	1.165601758	0.290489097
0.089286373	1.106453163	8.349241046	9.149999002	7.450144417	1.228163978	0.391840317

0.081614265	1.013053005	8.233351884	9.204044812	7.62930454	1.206406792	0.379996696
0.085842763	0.923568459	9.515611174	10.38748948	8.947765565	1.160903178	0.330611993
0.22475389	2.613823529	8.831633517	9.738860219	7.837971373	1.242523066	0.369177808
0.029086837	0.33705737	8.623421036	9.016060139	8.169576937	1.10361408	0.215855321
0.094016918	1.056617437	8.861958976	9.411127143	8.540733352	1.101910896	0.202964436
0.138642427	1.82282848	7.61610206	8.70578833	6.770139486	1.285909744	0.396991049
0.089519718	1.397424313	6.350273648	6.718869602	5.663080881	1.186433629	0.220429807
0.100168747	1.145844567	8.692252906	9.498671165	8.238545621	1.152954854	0.310540071
0.003836054	0.053032031	7.159544497	8.404714089	6.279785498	1.338375983	0.4078741
0.268672293	3.569954747	7.654694952	8.165917872	7.021662936	1.162960676	0.285567604
0.049638896	0.650540938	7.689328632	8.679317082	7.257206922	1.195958331	0.278855132
0.0148351	0.158343104	9.548107825	10.54424968	9.065646328	1.163099607	0.294310129
0.037437769	0.68074786	5.969018953	8.047048467	4.670340834	1.723010965	0.79659881
0.168722749	3.204106704	5.305076679	5.877772906	4.933475199	1.191406193	0.199873644
0.164741738	2.361833203	7.250357358	7.601782367	6.793195146	1.119028999	0.215291294
0.074076506	1.803107371	4.116672117	4.55760011	3.770894154	1.208625839	0.131487028
0.563549962	11.21335612	4.529164561	4.815942889	4.213007373	1.143112855	0.113580486
0.055618191	1.327704872	4.067475923	4.352330357	3.867462998	1.125370911	0.119729829
0.019936876	0.346798364	5.959106663	7.061465628	4.664017133	1.514030808	0.485970219
0.084188133	1.568446083	5.234675234	5.532954519	4.785029162	1.156305287	0.133402265
0.00982407	0.197483671	4.996502867	5.959181443	4.520799952	1.318169684	0.300258346
0.156072609	4.614966625	3.308515	3.665384079	3.107396768	1.179567449	0.197893407
0.016503872	0.326937887	5.160065021	7.310649182	4.29922861	1.700456023	0.636511081
0.260036162	6.050413418	4.125187946	5.254953226	3.88030864	1.354261662	0.256095648
0.07330576	1.561530964	4.756063937	5.758928421	4.516664019	1.27504025	0.220285129
0.12317093	3.174825035	3.807435817	4.114553782	3.631847709	1.132909227	0.098916046
0.152321407	2.215472798	7.035914431	7.976137135	6.394265707	1.247389067	0.341772734
0.011440988	0.267143069	4.341122959	4.489921985	4.173155781	1.075905675	0.073386767
0.486744024	8.288594343	6.060762418	6.68427674	4.705618973	1.420488309	0.331024372
0.108735345	1.613668853	6.51671841	7.525810169	5.863514919	1.283498085	0.36897136
0.050025448	0.902630955	5.600290403	5.859106182	5.414107793	1.082192377	0.112374839
0.126293985	2.240960889	5.645099876	6.039129943	5.323225456	1.134486975	0.161552536
0.01291177	0.191128769	6.996540894	7.925653755	6.377771825	1.242699484	0.331021827
0.052771379	1.086902754	4.891917641	5.296230603	4.675280611	1.132815556	0.167458816
0.200952676	3.527130145	5.804819774	6.610818079	5.413891573	1.221084314	0.275624671
0.373688963	6.428821308	5.89173315	6.694132896	5.438795302	1.230811701	0.280103689
0.150590174	2.449117347	6.206370445	6.709163295	4.932942829	1.360073191	0.319027114
0.505227795	7.02601396	7.29380159	8.878669044	5.772976554	1.537970744	0.673866531
0.145084169	2.419002074	6.112282032	6.768008643	5.41552107	1.249742833	0.305654879
0.026205377	0.490852049	5.90736668	6.930787911	5.134699735	1.349794198	0.369634048
0.103876343	2.004450785	5.436457228	7.25724216	4.227455474	1.716692749	0.598817989
0.129318045	2.796100586	4.544660138	6.96094659	3.810984004	1.826548362	0.629625619
0.139872792	2.648760229	5.474648934	6.461043387	4.944378729	1.306745244	0.321114741
0.033582269	0.480663618	7.054880366	7.861228435	5.843832518	1.345217956	0.456399978
0.278741493	4.580581878	6.572638712	8.21749268	5.910366698	1.390352426	0.584114895
0.100518764	1.784888004	5.669497572	6.574882023	5.295355168	1.241631924	0.276264478
0.214295781	3.194331456	6.431392356	7.41256477	5.706056708	1.299069594	0.359756289

0.097955502	1.156584611	9.108227853	10.62918562	7.761958049	1.369394881	0.519223902
0.178898016	3.02206689	4.676931722	4.927490738	4.464954207	1.103592671	0.118678205
0.313448651	4.045061346	6.905504594	8.416276938	5.524754825	1.523375644	0.661031442
0.075366976	1.175933233	5.613565405	6.255818777	4.803230053	1.302419145	0.267931846
0.046566517	1.133119314	4.259450196	6.339904215	3.657691248	1.733307648	0.519859495
0.018999959	0.306301412	6.177178849	6.853522686	5.758041974	1.190252297	0.229538734
0.010776307	0.285021622	3.659191727	4.058103133	3.343930911	1.213572661	0.135417127
0.299799133	3.540782757	8.315985969	9.307969275	7.253146062	1.283300956	0.444347773
0.037153747	0.507956361	7.344575156	8.132435912	6.921279122	1.174990311	0.243374039
0.112514831	2.480117819	3.851657506	8.957927176	2.381405829	3.761613022	1.32127244
0.0036317	0.0651945	5.307371613	5.742353432	4.851426119	1.183642354	0.172546218
0.158490914	3.216035214	4.677375526	5.224075837	4.246341711	1.230253284	0.178265367
0.178424254	2.468737724	7.046768573	8.133128403	5.785138026	1.405865922	0.435038529
0.066559961	1.149940129	5.683131502	6.6441588	5.403677879	1.229562337	0.206726349
0.051940529	0.685399164	7.618429456	8.584656501	6.883547724	1.24712675	0.378686875
0.020640447	0.297666377	7.131697316	8.49967837	5.753607466	1.477278111	0.554423817
0.14558268	2.570771384	5.880963261	6.543713773	5.480447858	1.194010771	0.219922761
0.198887924	3.113592749	6.578733811	7.134251389	5.580276455	1.278476335	0.336342809
0.054521468	0.951448948	6.020376821	7.864091734	5.234417375	1.502381482	0.5109161
0.00095813	0.015264398	6.317972556	7.155820583	5.768327826	1.240536391	0.295464568
0.268891496	4.282828599	5.737323782	6.837986816	4.65461591	1.469076493	0.522794234
0.192686598	3.45618298	5.560135237	6.586752128	4.798261929	1.372737092	0.341732382
0.250959268	3.861018907	6.427670906	7.059527964	5.727408649	1.232586742	0.270453253
0.072662293	1.187647365	6.28819917	7.240302598	4.515229764	1.603529162	0.634275477
0.013703729	0.270372869	5.178078353	7.185632032	3.642248842	1.972855877	0.784573407
0.051491516	1.128558548	4.547990464	4.868647469	4.285034201	1.136198042	0.124341837
0.058343381	0.824462763	6.444791038	6.812446141	5.778273867	1.178975988	0.230392997
0.206647243	2.594362806	8.241244115	9.099977624	7.733167657	1.176746455	0.318133228
0.224492261	2.884365244	7.963546769	8.70087351	7.181534186	1.211561943	0.362520884
0.013413816	0.167763595	8.091738734	8.79803811	7.392978779	1.190053208	0.347393286
0.351983614	5.695551608	5.039302962	5.624789412	4.185286622	1.343943658	0.393240695
0.082158737	1.898852753	4.067556762	4.498370622	3.705153151	1.214084935	0.152642141
0.402241228	5.625209705	7.319697448	8.050276862	6.605453582	1.21873188	0.348005596
0	0	5.341550802	6.772534246	4.403006908	1.538161167	0.368059664
0.232890922	3.171485841	7.606248681	10.90811158	4.878305078	2.23604539	1.049100967
0.103011316	1.509683146	6.804651557	7.617369262	6.273097886	1.214291471	0.307601149
0.104156829	1.369142757	7.439480461	8.383626776	6.071662586	1.380779425	0.387783186
0.023196638	0.353453097	6.280311243	7.058071245	5.572311889	1.266632483	0.273442052
0.057473639	0.73360654	8.064908396	9.19397754	7.2878215	1.261553612	0.401027167
0.228678333	3.618412225	6.412123709	9.286870961	5.081760817	1.827490765	0.706225176
0.006137687	0.113954137	5.138319466	6.384180302	4.527222345	1.410176001	0.386263507
0.160159686	2.590041653	6.498158643	7.903699761	5.731107658	1.379087645	0.549067443
0.1934927	2.81910345	6.792016466	7.376671133	5.949977129	1.239781426	0.293851181
0.238111137	2.781132206	8.714777042	9.598142947	7.248263537	1.324198948	0.468992922
0.011575338	0.26082884	4.378226675	4.714777469	4.199195524	1.122781124	0.113446878
0.156754967	2.586130684	5.943661946	6.779511442	5.062314843	1.339211735	0.345127697
0.059315652	1.376439935	4.318360777	4.664155829	4.072166299	1.145374596	0.146075931

0.066701383	1.026844378	6.755328231	9.062406496	5.691487182	1.592273901	0.602006249
0.090976358	1.752592465	5.263467092	5.831025124	4.73381947	1.231780206	0.228612194
0.103364869	1.398856895	7.757296125	8.972625009	6.723020137	1.334612247	0.453110565
0.171621887	2.221919278	7.69322906	8.535544649	7.018771667	1.21610234	0.290086384
0.08108747	1.104082001	7.479017702	8.221932602	6.777328535	1.213152433	0.279857847
0.0841351	1.168580581	7.004482157	7.901550785	6.360498349	1.242284857	0.344355755
0.009740396	0.108054734	9.095622245	9.837628341	8.594312493	1.144667284	0.286756461
0.057827193	0.969001067	6.047955605	6.616581438	5.339934435	1.239075408	0.284992772
0.461104332	7.125418388	6.583960493	7.848998252	6.145127217	1.27727189	0.381807401
0.198739432	3.320035422	6.418991693	6.787851646	5.554092537	1.222135138	0.241426079
0.052453181	0.550316768	9.331866201	9.977392334	8.827708524	1.130235815	0.240252279
0.099694985	1.375334335	7.522694958	8.339594196	6.41394885	1.300227737	0.443320404
0.042832993	0.674595856	6.165399884	6.793675903	5.314806877	1.278254518	0.258789446
0.06952981	1.177385482	5.981285597	6.405018953	5.562637745	1.151435568	0.18387844
0.177552745	3.150090209	5.418807491	6.223820368	4.955229057	1.25601063	0.25736527
0.056978664	1.150586077	5.016191799	5.64271213	4.651720935	1.213037542	0.177137459
0.045450467	0.911920665	5.042108855	5.817682915	4.637181723	1.254572985	0.225620738
0.107572155	1.287917391	8.373903279	8.950183189	7.842463866	1.141246341	0.22396041
0.143021775	2.713151839	5.157954312	8.305095662	4.700272681	1.766939117	0.597392453
0.270609765	3.710864294	7.12121962	10.60116967	4.687793983	2.261441034	1.214801151
0.375247427	5.068780962	7.92838798	9.474754511	6.123478464	1.547283063	0.722428299
0.226111535	2.794306832	8.192552455	8.666041273	7.065820822	1.226473398	0.279294707
0.098549472	1.568798045	6.261744794	7.005103262	5.197278934	1.347840543	0.323152757
0.32063757	4.982589369	6.485781183	7.180339564	5.945555926	1.20768178	0.324727031
0.027032692	0.418463821	6.467511462	7.328927629	6.04320902	1.212754284	0.276111944
0.11998895	1.611505035	7.515529458	8.384691146	7.128828158	1.17616682	0.264291825
0.245217561	3.816458806	6.460939668	7.360841087	5.939784579	1.239243779	0.332057829
0.030653079	0.481666999	6.359898529	6.86721715	5.725958911	1.199313033	0.24771165
0.189745034	2.146087776	8.878279561	9.299601671	8.322354843	1.117424316	0.224343803
0.434672681	5.711090439	7.510971713	8.5838328	5.922997834	1.449237876	0.536277888
0.0072832	0.170734913	4.369805811	4.921920033	3.646732944	1.349679318	0.237588902
0.102891108	1.334425358	7.620717707	8.485651472	6.984736142	1.214885044	0.355540351
0.062837044	1.023461838	6.414914729	7.008194323	5.679288419	1.233991621	0.280152328
0.380253743	5.4078674	5.626975006	7.748365557	3.536246758	2.191126946	1.115794557
0.053407775	1.132384684	4.598901207	5.099053298	4.340723265	1.174701308	0.160048869
0.163645722	3.629187758	4.223202353	4.669126986	4.024904783	1.160058992	0.116151725
0.432098812	5.41626075	8.026018438	9.577616689	6.966130394	1.374883349	0.549083891
0.048818652	0.971118666	4.967043881	8.122582586	4.357251411	1.864152839	0.930663057
0.150097556	2.372555583	6.812227448	7.592223819	5.736442825	1.323507276	0.399711574
0.30962615	4.503709067	6.9648204	8.161204404	6.374755113	1.280238105	0.365019611
0.03592456	0.585867812	6.325522608	7.36809627	5.947220399	1.238914278	0.304838224
0.13085011	2.962758388	4.413693657	4.755202694	3.940998079	1.206598582	0.157538793
0.041005122	1.001962589	4.066474821	4.433167795	3.673635174	1.206752327	0.160932497
0.143712382	2.081538281	6.930997857	7.691034405	6.570609948	1.170520616	0.239771082
0.125681159	2.164057893	5.550582582	7.474736434	4.991900397	1.497372912	0.435051583
0.04813983	1.126009338	4.176488224	8.434291545	3.739740254	2.2553148	0.729513493
0.061147059	0.901112569	6.971501398	7.998421831	6.449655414	1.240131653	0.399993021

0.116934248	1.504310576	7.975519927	8.846762825	7.592595208	1.165182995	0.331501183
0.100659007	1.731608967	6.030633658	6.250566917	5.62920772	1.110381288	0.134064964
0.021472476	0.350638462	4.607853645	4.977202588	4.379285515	1.136533019	0.122268174
0.376187879	5.203470739	6.940588557	7.979310964	5.343600024	1.4932463	0.574483975
0.051703648	0.823696098	6.519588381	7.071274094	6.238514365	1.133486866	0.213658685
0.083965395	1.312514816	6.378896505	6.915882703	5.661306131	1.221605499	0.269155867
0.027598378	0.512976464	5.146396772	5.845079857	4.137275508	1.412784777	0.332372953
0.160888006	2.46964083	6.36127832	7.061818869	4.873208288	1.449110822	0.439221129
0.207542911	3.150451365	6.682816825	7.974313179	6.148934428	1.296860988	0.358811331
0.256693904	3.893907968	6.760454025	7.585021978	5.549944241	1.366684357	0.340468671
0.089689424	1.22570397	7.333529967	8.174858274	6.907253388	1.183517936	0.293261256
0.292035101	4.928938616	6.040016761	6.403477865	5.444446097	1.176148639	0.240350897
0.08694585	1.552169683	5.108370461	5.487644382	4.776559728	1.148869625	0.195816032
0.150048059	3.044549108	4.951974057	5.454124178	4.480028344	1.21743073	0.223111529
0.065782144	0.899914081	7.230417457	7.872669572	6.624349129	1.188444241	0.263912524
0.093776501	1.833287014	5.303870455	6.28139973	4.861204645	1.292148796	0.350059996
0.059142411	1.38295001	4.201143616	4.647066484	3.790113729	1.226102122	0.142548287
0.030271241	0.335272764	7.511721042	10.45760618	4.309110451	2.426859627	1.264514057
0.26812782	4.815786541	5.694100203	7.0829269	4.96300221	1.427145627	0.411970043
0.007502403	0.1375223	5.410183684	6.945496733	4.773411114	1.455038455	0.380631341
0.04323958	1.051981796	3.699443695	3.934523938	3.321845759	1.184439081	0.110601075
0.035831458	0.587827023	6.325494345	7.418427073	5.465848455	1.357232483	0.397845197
0.148142406	2.880623483	4.87318285	5.141372886	4.586941358	1.120871728	0.114750265
0.043946686	1.302697038	3.40967979	5.494681299	3.251105834	1.690096103	0.360948252
0.211530994	3.287201611	7.426934803	9.550782217	5.837314885	1.636160187	0.759863119
0.028927738	0.715214232	3.90804376	4.07659131	3.709868603	1.098850592	0.062708279
0.054475506	1.153119587	4.52692073	4.890254531	4.300693411	1.137085131	0.147119725
0.041005122	1.018844277	3.964640462	4.444275485	3.684055246	1.206354191	0.182249993
0.048931789	1.330744794	3.664579637	3.894814369	3.339395986	1.166323007	0.109671517
0.108084807	1.307488486	8.545131608	9.070325983	8.121091007	1.116885154	0.215833805
0.063194133	1.017061689	6.446416939	7.214182342	5.954810416	1.211488165	0.329827625
0.112734034	2.545952104	4.274431107	4.595082672	3.81336034	1.204995663	0.150130404
0.008230723	0.125241685	6.742372225	7.797432167	5.479352403	1.423057251	0.480902331
0.248434897	6.169309711	3.901952348	5.198260502	3.211296098	1.618742197	0.452797856
0.204873583	3.079336167	6.956775797	7.575463059	6.434084861	1.177395577	0.268884055
0.058018111	1.259124838	4.452041179	4.762977809	4.049284723	1.176251643	0.159886559
0.078078731	1.267001431	6.509626924	9.417319395	4.158386921	2.264656842	1.007431981
0.271401725	4.32820925	6.405430223	9.075101464	5.208787585	1.742267527	0.720133186
0.044957849	0.781852678	5.635587875	6.336425051	4.949770046	1.280145338	0.345861413
0.171280119	2.015652753	8.734555378	9.632855954	7.365512758	1.307832363	0.502027121
0.329624897	3.869892919	8.149713396	8.771211369	7.651513821	1.146336735	0.227476548
0.184455875	3.295229223	5.610745591	6.523195445	5.11509619	1.275283045	0.318987357
0.24110927	3.561319873	6.965078689	7.318868998	6.175107262	1.185221355	0.22361251
0.02609224	0.322664275	8.407929629	10.74454723	7.395821096	1.452786255	0.590246656
0.207012581	2.883309492	7.20935114	7.722666778	6.496819608	1.188684194	0.253817059
0.040609142	0.642575194	6.949587713	8.578209163	4.776892601	1.795771829	0.786794917
0.337445498	5.503328578	6.0721369	6.58152418	4.94829409	1.33005922	0.295931647

0.024119412	0.450189406	5.19759638	6.687215605	4.882913481	1.369513433	0.304305066
0.101229407	2.538568291	3.917441818	4.348777288	3.59385742	1.21005838	0.142857793
0.054305801	0.882221892	6.521669916	7.667824748	5.362441478	1.429912994	0.461996417
0.034570451	0.903840673	3.769163705	4.236798697	3.417612349	1.239695514	0.171266436
0.171133983	3.133317007	5.423002773	6.003057755	4.555365148	1.317799465	0.344508656
0.241660814	4.090857462	5.786474516	7.58288255	5.009582803	1.513675459	0.47050659
0.039894965	0.55150023	7.395796502	8.280901459	6.701412478	1.235694935	0.31513781
0.033743136	0.422630816	8.22694048	9.117396143	7.795937007	1.169506133	0.281237054
0.24554283	3.059271227	8.047946241	9.497067864	6.783007618	1.400126374	0.533192096
0.060174787	1.396967088	4.213214119	4.50071626	3.872986884	1.16207888	0.127450875
0.082712637	0.85884995	9.76827354	10.13005989	9.211137324	1.099762118	0.242914196
0.034747227	0.3142788	11.24429258	11.70015459	10.46197142	1.118350846	0.273314162
0.066767379	0.707697606	9.574918591	10.22227207	8.664309655	1.179813796	0.346751655
0.054334085	0.652310024	8.528655035	9.104969497	7.619784074	1.194911747	0.281998168
0.096781705	0.836157277	11.68199828	11.98862755	11.18153385	1.072180946	0.190835376
0.125730657	1.874859187	6.871926659	7.458761028	6.156749306	1.211477138	0.243222905
0.047291302	0.403978443	11.7304776	12.17041197	11.00219998	1.106179854	0.280400844
0.040283873	0.345604031	11.76307674	12.34286887	11.12552923	1.109418583	0.257192149
0.015822693	0.170647043	9.46012881	10.77363909	8.277969579	1.301483291	0.523475974
0.096173593	0.864033957	11.24310565	11.81042165	10.49181472	1.125679586	0.239296883
0.069579307	0.676869924	10.430702	11.50217867	9.807771005	1.172761748	0.355904364
0.082997837	0.928492995	8.982886097	9.580059104	8.288766461	1.155788277	0.259074624
0.118050063	1.080620151	10.92482782	11.63231801	9.968769685	1.166875992	0.382227717
0.25455137	3.79546992	6.618902773	7.842954479	6.006120701	1.305826984	0.372714366
0.03178445	0.575630767	5.404454448	6.271521626	4.868138795	1.288279133	0.320119034
0.069671231	0.759416757	9.600125343	10.51856301	8.246968405	1.275446018	0.456620103
0.070248702	0.70566702	9.92072745	10.79748986	9.138761071	1.181504777	0.350901037
0.061086955	0.531549997	11.55500679	12.35711333	10.66009456	1.159193595	0.366647891
0.045102806	0.390735319	11.59321501	11.95730128	10.98870377	1.088144838	0.225030279
0.95456587	14.17075764	5.929355239	13.37594475	4.607883841	2.902838963	2.095405889
0.171933014	1.594229885	10.81917898	11.52542033	9.823048119	1.173303865	0.374242876
0.142213316	2.04096239	7.095857905	7.68219779	6.261496916	1.226894765	0.306637853
0.026074563	0.372687224	7.306405787	9.153167062	6.507049256	1.40665403	0.550895521
0.010260119	0.127649194	7.497784661	8.911735848	6.682119472	1.333669038	0.465547907
0.204318504	3.22757398	6.486137077	7.090139398	5.624320595	1.260621488	0.272744133
0.096399867	1.513185428	6.353200597	7.69284615	5.29205432	1.45365971	0.449116343
0.006378103	0.060137475	10.68115488	11.27003161	9.989565583	1.128180352	0.347853981
0.131281445	1.397994035	9.396550163	9.901811572	8.708035682	1.137088998	0.276947745
0.005720494	0.06810723	8.557291691	9.296525386	7.609131896	1.221759001	0.348288157
0.131422866	1.294080573	10.34536901	10.96609287	9.821224344	1.116570856	0.243282972
0.146671624	1.523187694	9.773647245	10.42010756	8.778451362	1.187009773	0.352469272
0.016051324	0.163541419	9.983107859	11.05306763	8.903681485	1.241404204	0.392888525
0.009192388	0.082585111	11.21415203	11.60963767	10.67116025	1.087945209	0.214709565
0.047637784	0.500054032	9.711191232	11.22245672	9.177642294	1.222803893	0.377899294
0.026771063	0.519902307	5.009998265	8.3487858	4.09805385	2.037256246	0.85377806
0.379688057	5.420171323	8.240105403	10.42662726	6.986238022	1.492452337	0.745625127
0.131461757	1.951682248	7.219387731	7.869209443	6.506837862	1.209375369	0.349471868

0.004579695	0.080933944	5.660102692	6.548288335	4.883779512	1.340823909	0.296565852
0.138295944	1.93651762	7.040209612	8.143109291	6.132549157	1.327850635	0.34507039
0.012749135	0.215023158	5.504891943	8.08755979	3.402226869	2.377137123	1.13534848
0.017720096	0.431876733	3.995917115	4.443756251	3.755276562	1.183336614	0.122794112
0.205117535	3.273662277	6.510766115	7.245323578	5.85474333	1.237513443	0.321631963
0.009641401	0.162497049	6.008743711	6.524077773	5.447816946	1.197558185	0.226382872
0.042670359	0.751609554	5.625757543	7.231257074	4.87720145	1.482665243	0.522470506
0.327867737	4.853323379	7.456368308	8.417150423	6.808961009	1.236187197	0.341634282
0.008037447	0.134160469	6.255341707	6.945479673	5.870702005	1.183074812	0.296369055
0.141838549	2.501179862	5.13343557	10.62845055	4.432931945	2.397611938	1.357143174
0.149147676	2.030205405	7.916447523	8.692918136	7.171541002	1.212140896	0.326835155
0.00923835	0.196822564	5.270372899	7.631749538	3.765234512	2.02689886	0.915988533
0.010698526	0.267513673	3.885174416	4.906005237	3.283543095	1.494119339	0.259280564
0.019820203	0.310962462	7.370169351	9.901976501	3.636767226	2.722741349	1.414272998
0.085224045	1.218882716	7.245444379	8.210402653	6.68794958	1.227641231	0.348631501
0.003139554	0.048029504	6.278679098	7.987740832	4.07912152	1.958201243	0.778106619
0.005989194	0.127469781	4.813244499	5.593143743	4.367940358	1.28049911	0.204993296
0.056533187	1.449111038	3.971695025	4.386410412	3.587097249	1.222830079	0.125346539
0.003804234	0.066348675	6.023860442	7.663543118	4.900943397	1.563687335	0.583959168
0.175312984	2.818002258	6.6786455	9.000768641	5.561353053	1.618449423	0.684816359
0.079294954	1.062606611	7.508214815	10.94271599	6.705624384	1.631871301	0.691656705
0.014347197	0.161581645	9.299484378	10.76826153	8.041998293	1.33900321	0.575335039
0.067118576	1.533186758	4.386864418	4.655737128	4.02339915	1.157165112	0.126438255
0.033414331	0.432582741	8.052108636	8.785635782	6.728715573	1.305692845	0.425071205
0.29871726	6.461800407	4.671762148	5.656946387	4.253857059	1.329839322	0.271183693
0.072860283	0.8736719	8.337188016	8.755682957	7.834443583	1.11758836	0.226435368
0.053117861	1.192086338	4.456854677	4.671471712	4.123046017	1.133014692	0.098827175
0.138257053	3.459837226	4.062856762	6.01360604	3.620663624	1.660912657	0.441571516
0.259090996	3.471698747	7.529252952	9.512164061	6.690924874	1.421651601	0.59207471
0.334107954	6.391285394	4.793973585	5.549464573	4.48524269	1.237271862	0.236933908
0.24766415	3.067496783	8.126997626	8.844620002	7.186062052	1.230802063	0.346335302
0.022132442	0.258393469	8.723760749	9.623997268	8.064108435	1.193435994	0.306946587
0.049480976	0.482074432	10.78795885	11.55266767	9.921634922	1.164391531	0.359479034
0.462921596	6.933619258	6.875296843	8.155203839	5.678828726	1.436071456	0.564053609
0.134925873	2.233215105	6.43240889	8.082410077	5.37669339	1.503230609	0.51175566
0.112465334	1.371138971	7.975963139	8.828589878	6.752437904	1.307467022	0.343241452
0.249774864	3.740923295	6.580155123	7.549357014	5.934574754	1.272097383	0.315527023
0.250174379	4.017494747	6.406709321	7.054084683	5.864108806	1.202925273	0.262503896
0.287566186	3.730435924	7.602928972	8.49523625	7.030858399	1.208278672	0.30758198
0.008895403	0.15007655	6.126431361	7.274790804	5.57991969	1.303744715	0.317453672
0.00569221	0.153709199	3.631248461	3.834524581	3.395949059	1.129146673	0.07805621
0.387651847	6.846586304	5.097262512	5.657606543	4.328947829	1.306924169	0.3833366
0.070583399	1.114355966	5.548813827	7.586045978	4.780880893	1.58674649	0.491931481
0.020442457	0.45832801	4.432170787	4.853634306	4.13535615	1.17369197	0.150515596
0.097630233	2.106818637	4.655597352	5.430392209	4.328511507	1.254563422	0.195746843
0.087568104	1.741953853	4.008692412	5.495980917	3.706604798	1.482753414	0.307451047
0.213367114	3.207142067	6.164943996	7.382652497	4.720540891	1.563942071	0.674769497

0.111765298	2.146536401	5.196845173	7.874232495	4.498967059	1.750231196	0.657211511
0.092956257	1.776230434	4.967719284	5.230262578	4.573134482	1.143693149	0.120601944
0.078386322	0.918783917	8.811360286	9.637713293	7.771964675	1.240061387	0.453671686
0	0	4.068649468	4.347871203	3.71829687	1.169317931	0.111632182
0.255159482	3.384085773	7.376747874	9.953958128	4.941315159	2.014434985	0.989336591
0.214324065	3.333077705	6.697334755	8.69452598	5.181483756	1.677999274	0.762950054
0.040644498	0.917304181	4.323784555	4.857642475	3.943092913	1.231937107	0.195712188
0.026452865	0.579023469	4.466775444	4.817898162	4.092847356	1.177150708	0.162459233
0.100967777	1.90605194	5.20818227	6.468835381	4.852433917	1.333111484	0.241280891
0.00205061	0.047176824	4.240707602	4.569946251	3.967404369	1.15187307	0.138651318
0.08333607	1.325656606	6.338251382	11.01298839	5.222486832	2.108763267	1.297763116
0.370849222	6.382801211	6.208217575	11.08187008	4.870377717	2.275361527	1.109421329
0.127201439	2.744018774	4.533098583	4.882427361	4.274629946	1.142187142	0.116860565
0.032254676	0.789977103	4.038834354	4.219811313	3.754928464	1.123806047	0.091687736
0.017684741	0.406318514	4.394142801	4.571637114	4.191867881	1.090596661	0.09426589
0.239094016	6.00812701	3.894263913	7.096638041	3.528553866	2.011202977	0.548434471
0.048426208	1.121309668	4.172785066	4.571524576	3.946260272	1.158444771	0.15488933
0.2263767	3.462583989	7.002642706	7.944868899	6.11319265	1.299626783	0.424237022
0.024745202	0.327966298	7.477898551	8.970981137	3.527803518	2.542936729	0.967858434
0.256807041	2.877691147	9.970462745	11.72945313	8.398717155	1.396576753	0.774621489
0.019254518	0.207976365	8.893079082	10.62138703	7.654273835	1.38764137	0.612407928
0.010408612	0.111176521	9.753930411	10.92219196	8.598623799	1.270225587	0.462633118
0.380925494	5.2051251	7.681187569	10.18636198	6.137386622	1.65972304	0.854135986
0.042270843	0.524876017	8.156012843	9.445870247	7.418530027	1.273280584	0.458696863
0.121855712	1.473669618	8.259213025	9.182805265	6.669748424	1.376784352	0.495150646
0.065495766	0.951527659	6.954947411	7.540956294	6.184655166	1.219301011	0.211510832
0.2279288	3.115756583	7.497331846	8.086067474	6.949929735	1.163474709	0.243037462
0.171720882	2.471337869	7.241100774	8.100013663	6.511073194	1.244036647	0.331332996
0.108081272	1.224400908	8.890218805	9.578219005	8.257159909	1.159989526	0.328661633
0.106638774	1.915426285	5.291186285	6.254741213	4.679266464	1.336692676	0.328416599
0.198233851	3.078353394	6.564267252	7.533418883	5.797318726	1.299466053	0.326246288
0.143083057	2.789274419	5.391427441	9.670518065	3.439122859	2.811914102	1.34572637
0.07635339	1.276399375	5.904896633	8.847694861	5.138232702	1.721933469	0.717609705
0.017076629	0.298960665	5.673342717	7.465845018	5.156415936	1.447874863	0.433300274
0.09588368	1.742031818	5.521212156	6.367179423	4.772493793	1.334140954	0.328851158
0.108467823	1.73555752	6.469400665	7.666020115	5.397135464	1.420386827	0.370940463
0.033594643	0.93381823	3.402920048	3.633712151	2.982325176	1.218415812	0.129150792
0.145055885	4.286881776	3.306074233	3.550718888	3.163843254	1.122280278	0.081086493
0.07456441	0.984112571	8.002815351	9.203040616	6.923620514	1.32922372	0.578151242
0.009199459	0.093942437	9.695702065	11.10674307	9.033915289	1.229449548	0.449830095
0.158505056	2.275567521	7.112648862	7.87614338	6.725733599	1.171045993	0.258319784
0.042744605	0.571141267	7.555377203	8.680971958	6.344925242	1.368175609	0.419882334
0.423686598	7.326960234	6.199416934	10.38783855	3.001292995	3.461121112	2.230313446
0.200828932	3.28717716	5.791714972	8.262380423	4.49400895	1.838532258	0.866333913
0.094455324	1.445161862	6.754521921	7.744198741	5.968513166	1.297508864	0.449628071
0.13012179	1.617707848	8.13994174	9.985000791	7.154141568	1.395695164	0.66927885
0.158512127	2.024932784	8.171117685	10.54679135	6.880002224	1.532963363	0.72017889

0.152400957	2.046199802	7.63661685	8.435684938	6.752902016	1.249194038	0.458952487
0.078227223	1.268379113	6.147267452	6.737107828	5.556302674	1.212516348	0.278373878
0.067375491	0.903186178	7.691934478	8.389563029	6.9761575	1.202605163	0.317593303
0.4107654	6.078219826	6.139306648	7.800170231	5.286346256	1.475531464	0.478541372
0.101082329	2.122227361	4.796141609	5.095075635	4.565210764	1.116065807	0.158081638
0.109007581	1.696895591	6.164401984	7.503804491	4.900519756	1.53122625	0.554121058
0.193040151	4.430254301	4.262078819	4.638215363	3.873965609	1.197278404	0.12634753
0.128018147	1.99758416	6.29528702	7.504834625	4.548681892	1.649892167	0.570795875
0.098871206	1.823818718	5.649124702	8.08916965	3.236706964	2.499197407	0.901031926
0.094533106	2.331958416	3.797198342	4.097782518	3.26278995	1.255913676	0.161598856
0.239546564	2.731508547	9.633866948	11.43078189	8.36672659	1.366219126	0.62484527
0.111680445	1.864206502	6.645402005	8.262165972	4.974044544	1.661055887	0.696924737
0.272476527	2.970616314	9.119145454	9.969258349	8.436657495	1.181659722	0.334692811
0.001827164	0.034887472	5.269447656	5.540369818	4.856870404	1.140728362	0.149245484
0.171918872	2.334809814	7.347445461	8.034142149	6.95723523	1.154789494	0.229699154
0.022570848	0.509751168	4.50400292	8.916200163	2.440012999	3.654160927	1.47838597
0.037250385	0.838053263	4.332107558	4.814673013	3.938223303	1.222549521	0.165461742
0.19773534	4.260403349	4.806744315	6.118138093	4.495361521	1.360989114	0.272256189
0.077152421	0.940017328	7.997241592	8.786027886	7.457277848	1.178181646	0.35253758
0.262544034	3.883715503	6.434197896	7.066848115	5.493508499	1.286399778	0.438771153
0.216987501	4.889381086	4.171374843	4.496347252	3.928256509	1.144616509	0.090904316
0.34911276	5.402178628	6.431051664	7.289863514	5.966863418	1.221724548	0.306541482
0.172852253	2.722444272	6.705037155	8.792633323	4.296479571	2.046473905	1.170730942
0.291872466	4.371241166	8.014345808	10.32446517	6.448475725	1.601070642	0.894805104
0.412494276	7.390030906	5.724294799	6.13349937	5.391243696	1.137678005	0.174516573
0.076328641	1.461725423	4.857372259	5.413409126	4.433622389	1.220990118	0.263441549
0.178841447	3.717723321	4.008012284	6.085005269	3.199063741	1.902120671	0.54699054
0.066369042	1.319200386	4.948537463	5.543755415	4.460202393	1.242938084	0.179542576
0.060825325	1.431142243	4.192174966	4.367425202	3.981128623	1.097031926	0.079544817
0.353192766	7.316026798	4.651695518	6.726189125	4.236460034	1.587690919	0.432448376
0.045969012	1.176080034	3.845025168	4.189730594	3.502386847	1.196250094	0.143691062
0.039197286	0.705197669	5.632533706	6.476079187	5.294892788	1.223080324	0.206594619
0.029003752	0.311224992	9.464464424	10.04095512	9.024070333	1.112685823	0.229896489
0.069411959	1.383208893	5.062678161	5.664864139	4.70971187	1.20280482	0.185105227
0.224043248	3.457474044	6.206037578	7.94710191	5.352426531	1.484766183	0.548059618
0.142114321	3.128479221	4.356896273	4.666847485	4.153879114	1.123491406	0.109938838
0.121137998	2.165425152	6.442945131	8.55462829	3.569319712	2.396711133	0.896603949
0.025861252	0.621430595	4.125657313	4.504292494	3.889047933	1.158199275	0.119599667
0.097248396	1.97555686	4.94483864	6.889042293	3.810756397	1.807788684	0.623791653
0.950577788	17.77131435	4.594049341	5.998716659	4.253029716	1.410457264	0.333664414
0.031901122	0.511904522	5.670675033	6.381281479	4.621054123	1.380914681	0.380284241
0.152282516	2.593452451	5.359062994	6.282704372	4.081376381	1.539359222	0.411972646
0.109184358	2.919749202	3.855745075	4.176639569	3.347785111	1.247582933	0.184889964
0.065290705	1.138896458	5.567199214	5.919656979	5.048997301	1.172442096	0.163713482
0.140473833	4.21786415	3.243708243	3.531770108	3.025797675	1.167219519	0.088880638
0.117287802	2.884703851	4.17214639	4.816055936	3.668546906	1.312796608	0.224261981
0.046831682	0.989927669	4.623448745	4.902301051	4.489499261	1.091948292	0.094425369

0.045806377	0.580797069	7.513322181	8.025348569	6.793489832	1.181329297	0.326329811
0.052000633	1.147970458	4.517222809	4.862808178	4.045858402	1.201922483	0.162125619
0.653691935	10.59231202	6.394804648	8.64838713	5.041510576	1.715435681	0.646408863
0.101590031	2.460562698	4.099863964	4.47614554	3.724216789	1.201902519	0.140870735
0.469660324	8.36712548	5.830337172	7.271223309	5.231680929	1.389844566	0.38143448
0.095593766	2.372085372	3.958218638	4.847366589	3.660447789	1.324255083	0.265862928
0.008021621	0.19813208	4.020360967	4.288542862	3.689533965	1.162353539	0.101012413
0.12952782	2.632051069	4.959536304	6.161531794	4.601718803	1.338963126	0.231974141
0.121728432	2.305558186	5.238405411	5.798177874	4.831080659	1.200182378	0.199561186
0.381092843	6.731956347	5.340146294	6.123305354	4.084517718	1.499150151	0.493841057
0.008471139	0.184364897	4.561278608	4.973728772	4.227491332	1.176520158	0.139597924
0.063922453	1.43611222	4.215958777	4.541209567	3.967574059	1.14458092	0.116302858
0.056660466	1.110228101	5.064882499	5.998989068	4.739522695	1.265736964	0.26810568
0.038643386	0.684725224	5.809319206	7.456763734	4.744677753	1.571605939	0.494085047
0.087030703	1.561856224	5.292441313	5.809012047	4.531365033	1.281956321	0.274476809
0.442450855	7.381097597	5.877214852	7.724333901	4.464576183	1.730138223	0.581599023
0.355497934	6.155554204	4.503719025	4.880042179	4.138280646	1.179243893	0.135916634
0.095197786	1.633564926	5.830663424	6.363836924	5.541094385	1.148480153	0.171954657
0.019035315	0.495645814	4.021244614	4.355247416	3.849084896	1.131502041	0.138819853
0.076919076	1.872714846	3.883489617	4.178245623	3.679323477	1.135601599	0.098569544
0.069416673	1.05699965	6.629211117	7.619313854	5.870208008	1.29796318	0.363229227
0.06602256	1.593678654	4.141188854	4.489726533	3.73568673	1.201847708	0.139827736
0.107870907	1.924164849	5.6971058	6.13955105	5.364890811	1.144394409	0.152419487
0.030737932	0.624662588	5.286038338	7.829787508	3.37976602	2.316665551	0.95528278
0.056094781	1.363693532	4.04035337	4.371429792	3.81518524	1.145797521	0.12920952
0.082506987	1.665865258	4.734680055	5.282106485	4.129416203	1.279141221	0.275356636
0.061412224	0.927533484	7.828819538	9.350732258	6.391797268	1.462926915	0.792388794
0.172442131	4.468288464	3.770033549	4.027792969	3.439419954	1.171067512	0.119007718
0.12051928	1.549886374	7.181752143	8.835464715	5.534164151	1.596531016	0.66621253
0.388392542	5.392490117	7.408863437	8.634527374	6.515754184	1.325176968	0.495326454
0.167556023	2.102701027	8.619984257	10.0267738	7.643465068	1.311809986	0.531912746
0.336229274	8.657689269	3.562547438	3.804666019	3.318910453	1.146359949	0.08828759
0.170787501	3.876082987	4.212523	4.716755697	3.892817263	1.211656078	0.172193495
0.096852416	1.891773864	5.070872792	5.525330916	4.185564307	1.320092229	0.235674486
0.257881843	6.663262432	3.891990351	4.356342887	3.579000009	1.217195551	0.144918105
0.11317244	1.883744958	5.964552566	6.398137735	5.484536415	1.166577674	0.203233704
0.056094781	0.965921217	5.198368396	8.072932046	4.348074388	1.856668337	0.788885694
0.115687383	1.692766567	6.748892675	7.564061946	5.035608516	1.502114774	0.486109913
0.066609459	1.38263767	4.760271635	4.997437814	4.274634338	1.1690913	0.12570282
0.372213939	5.021971377	6.964308869	9.664976661	4.563817697	2.117739424	1.02759449
0.042596112	0.613873582	7.279245183	8.719707488	6.740659141	1.293598639	0.544928937
0.368487486	4.929035475	7.482875508	8.126439298	6.677191837	1.217044455	0.292964314
0.148112943	2.196343885	7.078571149	7.743607989	6.362210808	1.217125339	0.316946482
0.311409826	3.731833851	8.342974761	9.135544786	7.443188405	1.227369816	0.38241687
0.013368738	0.192608223	6.821997517	7.661577561	6.328780854	1.210592962	0.337077428
0.146993358	2.468942409	5.970921511	6.244086575	5.751476855	1.085649257	0.131141985
0.033932287	0.464041945	7.566229685	8.775977941	7.107865705	1.23468539	0.299539466

0.449900225	6.609573758	6.700114196	7.400894511	5.991087674	1.235317344	0.277767943
0.140346554	2.212602293	6.331236238	7.163222777	5.697241813	1.257314155	0.359877472
0.339015275	5.753403882	6.041377852	7.303225921	5.162705768	1.414612075	0.408500775
0.232609847	3.437320337	6.738408903	8.228509181	5.082394435	1.619022153	0.603408701
0.271401725	5.19188377	5.834149685	7.316519071	5.002026836	1.462710879	0.451439804
0.06676679	1.06350565	6.191819951	6.868961032	5.718237413	1.201237468	0.234303094
0.134908903	2.130440105	6.047314268	6.535541434	5.336560267	1.22467303	0.254333439
0.116792827	1.40732989	8.477179043	10.06221934	7.54881676	1.332953185	0.480901647
0.029670201	0.351784896	8.516769742	9.333778977	7.774557288	1.200554402	0.392883325
0.207263604	3.553477191	4.422975749	6.147089418	3.897090189	1.577353646	0.351955723
0.275029183	4.214674227	6.826652201	7.949190417	5.799699619	1.370621056	0.447610875
0.051010683	0.828145096	5.926240731	6.267360578	5.633022175	1.11261067	0.133588745
0.157083771	2.719237558	5.777486855	6.583439523	5.317903648	1.237976458	0.318358455
0.229003602	4.995954887	4.44134642	4.707039303	4.073703983	1.155469156	0.137220216
0.086277634	1.347620167	6.392901128	7.590641724	5.864864987	1.294256857	0.353776584
0.043306755	0.810203169	5.504823543	6.713964739	4.698864924	1.428848211	0.394582128
0.233497266	4.651729726	5.085854795	5.517271903	4.65177473	1.186057413	0.15995205
0.132395138	1.856316704	7.22476367	8.907985651	6.303404969	1.413202181	0.521777672
0.229993552	2.921405408	8.125925692	8.917007981	7.063800335	1.262352779	0.380761597
0.063910668	0.951970344	6.895021393	7.772118716	5.698967191	1.363776708	0.314908149
0.051325346	0.590264482	8.719569382	9.329295326	8.052238102	1.158596555	0.27712257
0.11860302	1.662912762	7.161631683	7.783777718	6.816198741	1.141952871	0.196692469
0.033736065	0.404847396	8.394373794	9.133102994	7.69988469	1.186135035	0.273500531
0.081677904	1.131915657	7.08720121	7.717650935	6.621243891	1.165589285	0.265297784
0.039329279	0.390731293	10.05771926	10.99311067	9.303276648	1.181638586	0.347355063
0.296192889	3.586682721	8.689823627	9.778417087	7.811767789	1.251754705	0.35999803
0.152653747	2.13340886	7.249068909	8.27896845	6.16016974	1.343951352	0.371499983
0.014538115	0.181166255	8.048073862	8.909489926	6.478610514	1.375216168	0.411716487
0.001774838	0.025147423	7.784827749	8.863526822	6.784725309	1.306394352	0.471122539
0.002159033	0.037857487	6.128467931	7.04878865	5.200870533	1.355309386	0.350121612
0.016533924	0.221343584	7.855698384	8.991504055	6.688321108	1.344358907	0.428226408
0.239596062	3.270323525	7.809931812	8.450207824	6.56534167	1.287093384	0.354539984
0.026458168	0.418073836	6.478824535	7.055374646	5.734247262	1.230392469	0.259236336
0.047637784	0.461197347	10.39554885	11.06339656	9.687249099	1.142057611	0.279870285
0.097382746	1.404608186	7.443222666	9.166133242	5.172405312	1.772121999	0.800700354
0.077178937	0.922185702	8.425035929	8.911531319	7.974488711	1.117505039	0.220194882
0.219012183	3.364230057	6.637723107	7.178266075	6.095175658	1.177696342	0.236310279
0.231141893	4.024096414	6.045130763	7.119289735	5.441985979	1.308215376	0.361295331
0.013899362	0.315147026	4.241854536	4.532787821	3.869944661	1.171279751	0.146951862
0.508784542	9.827899425	4.824891101	5.713312829	4.178178747	1.367417043	0.297713078
0.32462141	4.663585011	6.825592543	7.755765246	5.987772356	1.295267219	0.31563396
0.290946156	3.703146314	7.972815395	9.769736686	5.093647892	1.918023564	0.80232857
0.10208147	2.187166477	4.612354677	5.027126235	4.321159146	1.163374471	0.167275812
0.014901097	0.329943914	4.244942869	6.54538829	3.867968585	1.692203064	0.466992799
0.170568298	3.053332872	5.458643123	6.096207493	5.04596837	1.208134306	0.2365707
0.055394745	0.863257349	6.570728159	7.689781324	6.124514533	1.255574018	0.364324294
0.042882491	0.812545909	5.292782913	5.622971366	4.827014931	1.164896203	0.162311753

0.287071211	4.676945744	6.475439965	7.292668074	5.404303144	1.349418765	0.371824042
0.07125515	1.167062786	6.174616948	6.810294129	5.775484984	1.179172684	0.213206681
0.108383913	1.768000735	6.237144092	6.777790273	5.363322337	1.263729802	0.320064597
0.217746462	4.159062053	5.052226317	6.613634378	3.785483825	1.747104118	0.523416539
0.158215142	1.972256633	7.757345101	8.627984066	6.784988107	1.271628473	0.436279919
0.02447768	0.674484976	3.571857998	3.825167349	3.297212538	1.160121559	0.105468475
0.14389623	1.414125862	10.69277329	11.9118556	9.905543029	1.20254443	0.487326255
0.262400255	4.116436545	6.438704366	8.021393511	5.403472821	1.484488546	0.587640365
0.287587399	6.401985902	4.454356842	5.226730865	4.043785905	1.292534023	0.230111441
0.020965716	0.553029338	3.751858274	4.336167876	3.416636843	1.269133383	0.177071278
0.059906087	1.254868521	4.593547897	6.747471122	3.706353244	1.820514851	0.63088512
0.003938585	0.05743016	6.470909209	7.268195543	5.758739072	1.262115795	0.29454586
0.033538075	0.771533052	4.171833224	4.335006398	3.904624452	1.110223647	0.086031269
0.026148809	0.306983992	6.831423517	10.73292816	3.464666227	3.09782457	1.759061464
0.492909995	7.505046964	5.593386685	7.674687973	4.22509745	1.816452298	0.950181093
0.058018111	0.837977752	7.249537659	8.122012647	6.587152122	1.23300821	0.377719124
0.255859518	6.351735808	4.019402454	4.308708268	3.651755529	1.179900526	0.129607792
0.182376981	4.666359354	3.830937944	3.990216521	3.544409029	1.125777665	0.105718316
0.111698123	1.603370667	6.915730931	7.403568804	6.265534245	1.181634082	0.282249075
0.150808199	2.42318407	6.30035069	6.794176078	5.940788051	1.14364896	0.188215304
0.238082853	4.537383261	4.63348956	4.980998257	4.363934416	1.141400805	0.138351946
0.064158155	1.045025086	5.672900782	6.783124843	5.145055061	1.318377503	0.36417556
0.100908852	2.09850077	4.787130321	5.171564085	4.445679959	1.163278538	0.168658557
0.152454579	2.700842509	5.304353812	7.196437796	4.576910926	1.572335121	0.518428954
0.039470701	0.901198625	4.053839073	4.617753354	3.807438464	1.212824159	0.23376784
0.174616484	2.195485003	8.024152737	8.957347244	6.954872914	1.287923928	0.452135049
0.188344962	3.039115039	6.132709796	7.130801024	5.309383008	1.343056437	0.380138373
0.286233289	4.394472913	6.192069079	6.60157495	5.625196375	1.173572354	0.205611655
0.317356594	4.144953527	7.316466798	8.067888088	6.427764449	1.255162374	0.323328593
0.039237355	0.374766227	10.67544598	11.10810674	10.15877981	1.093448913	0.248769472
0.149963206	1.834975718	8.181091617	9.022429597	7.142666905	1.263173786	0.364308153
0.073021739	0.970511583	7.479487902	7.964119292	6.7368471	1.182173081	0.307905884
0.084948273	1.288880581	6.559585374	7.070391745	6.094313807	1.160162074	0.208638129
0.039707581	0.618660347	6.370197391	7.281708741	5.807527627	1.253839707	0.319773794
0.130987996	1.66061774	8.070217376	8.919635748	7.194084266	1.239857002	0.423853302
0.040955625	0.622991771	6.469271685	7.043009563	5.389697454	1.306754159	0.282875702
0.154490104	2.232654344	6.921495891	7.514304639	6.264093846	1.199583663	0.263464337
0.203010357	2.438329693	8.545505958	9.355771784	7.339621478	1.274694044	0.395473462
0.084704321	1.233843761	6.913496741	7.967535184	6.347354541	1.255252898	0.328300143
0.290649171	4.4703292	7.200329634	8.762943369	5.787690239	1.514065717	0.591363296
0.145367012	1.79303519	8.210346124	9.334835739	7.403068839	1.260941367	0.428603192
0.166170094	1.781289484	9.523814812	10.15972043	8.493321706	1.19620106	0.376315247
0.055712943	0.527926677	10.28246769	11.47204543	9.150322648	1.253731248	0.437539915
1.003624939	18.621552	3.995913072	4.861367844	3.589004394	1.354517106	0.384018577
0.046552375	1.014793395	4.642563559	5.483096243	3.4983142	1.567353854	0.505911791
0.294257184	4.498407048	6.475630236	7.026302771	5.787723774	1.214001056	0.320572162
0.2452812	3.091929733	8.07960612	8.653712729	7.598690414	1.13884265	0.250597788

0.028154635	0.423902499	6.385264833	6.94990838	5.442439499	1.27698404	0.33933779
0.353334187	6.347618039	5.13174103	5.65343346	4.899505166	1.153878457	0.156351351
0	0	3.913839243	4.354802822	3.441611997	1.265338111	0.171767184
0.164975083	2.250067049	7.328489347	8.498732549	6.50772141	1.30594597	0.478422973
0.132253717	2.032132955	6.632291242	7.258213788	6.299343081	1.152217572	0.24634256
0.249378884	3.138650763	7.872762839	9.009388911	6.484599624	1.389351607	0.483351041
0.330367359	5.559215527	5.512346461	5.97469106	4.970942125	1.201923279	0.229195656
0.131936697	2.068476646	6.425809046	7.189663273	5.837422528	1.231650311	0.267162533
0.207228249	2.864701221	7.361622265	8.382980742	6.92102275	1.211234386	0.331294474
0.093408806	1.355457032	7.654110224	9.780482432	5.847763803	1.672516668	0.938500403
0.472831698	6.385921147	7.008418498	8.189529769	5.664817877	1.4456828	0.457362646
0.062515311	0.981440767	6.434333184	7.173319042	5.985040618	1.198541413	0.239270505
0.443857998	7.136197783	6.483668552	7.557158135	5.677345579	1.331107651	0.438837324
0.099496995	1.65045393	6.014117949	6.713977379	5.422302918	1.238215105	0.278868091
0.055055334	0.976938255	5.620261759	6.201049645	5.18610339	1.195704979	0.222707582
0.007005071	0.137755098	4.838293456	5.489555852	4.278635869	1.283015433	0.299466493
0.032261747	0.624235821	5.173238574	5.503445084	4.791172402	1.148663547	0.150431629
0.020315178	0.348256869	5.884851293	6.790566143	5.374795697	1.263409165	0.245006022
0.142602225	2.896601225	4.884436543	5.888923472	4.457184196	1.321220576	0.212629065
0.216989858	3.890985796	5.221023667	5.563984521	4.743302418	1.17301914	0.139985717
0.175546329	2.966154902	5.786525277	6.257007631	5.416187993	1.15524196	0.205274484
0.104213397	1.52965644	7.157575828	7.984686742	6.576781023	1.21407216	0.328305397
0.193322994	2.918739261	6.941422192	8.213137757	6.335597948	1.296347689	0.400853098
0.115569532	1.391333601	7.977511883	9.687989365	7.207504371	1.344153103	0.493512199
0.17250577	2.69303471	6.758046581	7.403924916	5.138979256	1.440738432	0.417959092
0.217649824	3.932442277	6.164643699	7.572945784	4.53522855	1.669804664	0.592195408
0.067599408	1.322447356	4.833153292	5.31404055	4.401506649	1.207323077	0.197129621
0.090149044	1.354431387	6.833369691	7.991891611	6.181270879	1.292920464	0.415340188
0.084375517	1.059657273	8.06802468	9.076587918	7.475941213	1.214106379	0.286073051
0.36999598	5.637554749	6.330796607	7.755051702	5.633242727	1.376658539	0.448915172
0.005275017	0.077559985	6.680702269	7.585977845	5.523409327	1.373423079	0.399259931
0.028697929	0.524083404	4.958931647	6.359349601	4.528342001	1.40434393	0.446900973
0.136715561	1.787269186	7.95102425	9.561419935	7.368144499	1.297669981	0.421806827
0.263849824	3.992632556	6.313601811	7.271398115	5.201284373	1.398000493	0.39283892
0.245974165	3.787460989	6.595013381	7.691583896	5.919133229	1.299444293	0.447701817
0.069883363	1.128280131	6.628303977	7.572416841	5.549982122	1.364403826	0.464900346
0.064417428	1.16577156	5.813837611	7.006433993	5.135973027	1.364188238	0.410557768
0.271965053	3.653015884	7.039910486	8.724879657	5.702870848	1.529910091	0.5607656
0.2965323	3.591346769	8.326383488	9.067238072	7.636960638	1.187283594	0.29930325
0.138939411	3.751609706	3.589040365	3.969002548	3.373381687	1.176564918	0.105797864
0.066036702	0.927959724	7.255479171	8.334287348	6.469267494	1.288289185	0.493764026
0.32183258	5.156304778	5.14645666	5.566438952	4.820018143	1.154858506	0.157815759
0.175860992	4.194093705	4.105903772	4.408439183	3.460748943	1.273839639	0.147153773
0.393766553	6.97547284	4.55445126	5.091355577	4.213490111	1.208346393	0.158057317
0.410044151	4.944842475	8.958632541	9.665999672	8.124169661	1.189783089	0.383774434
0.297794485	5.091184664	4.436187949	4.67204703	4.080465633	1.144978894	0.112776241
0.355702995	7.045442612	4.252027611	4.54060407	3.915806032	1.159557964	0.110396876

0.048097403	0.981139937	4.735250249	5.223573172	4.381070187	1.192305293	0.222222591
0.08363659	2.285517576	3.607441672	3.864017718	3.430353401	1.12641972	0.070227541
0.368501628	8.780034761	4.367004138	4.928373814	4.22207829	1.167286222	0.17144966
0.097210683	1.457454551	6.779746737	7.583600655	6.211530433	1.220890848	0.356936517
0.034959359	0.587028553	5.920750891	7.052428273	5.307360858	1.32880135	0.295756269
0.283528606	4.072625094	6.950881795	7.69026218	5.940723716	1.294499214	0.356072711
0.10953084	1.887121121	5.930082506	7.356033375	4.935524384	1.490425901	0.46291335
0.134767481	1.47284764	9.100945081	9.789029662	8.392345372	1.166423595	0.33649746
0.139363676	1.956716823	7.119959428	7.720322994	6.78713067	1.13749438	0.241516891
0.067818611	1.029967376	6.739170093	7.231740101	6.215003561	1.163593879	0.217469184
0.001053589	0.015843382	6.799237532	7.432421566	6.341754526	1.171981907	0.220697613
0.136627172	2.210221829	6.189095038	7.315079923	5.589807285	1.308646175	0.255978952
0.316676004	4.48563317	7.070681987	7.845977981	6.170751457	1.271478528	0.343904301
0.160171471	3.139392111	5.097569728	5.471836207	4.838633733	1.130863899	0.160086542
0.097312035	1.063427627	9.573163137	10.30030823	8.620191499	1.194904804	0.387387091
0.122916372	1.603407448	7.757333704	8.862367269	6.777955315	1.307528135	0.445951929
0.1419729	2.5470041	5.632544312	6.160182458	5.179042784	1.189444211	0.242560834
0.188748013	2.737559047	6.987933374	8.037924234	6.046963787	1.329249606	0.461036416
0.083318392	1.34719849	6.210530548	7.12891426	5.636312796	1.264818777	0.298194763
0.193952319	2.870192892	6.748672759	7.419191077	6.390016265	1.161059811	0.2034656
0.219012183	5.176730318	4.180129278	4.706734799	3.934305971	1.196331661	0.144112165
0.079806428	1.776636765	4.429158336	5.013485908	4.170085902	1.202250032	0.156059055
0.019134309	0.416003252	4.543421625	4.799085422	4.362743939	1.100015378	0.094717509
0.23739696	4.038810204	5.80208578	7.385276262	5.298208794	1.393919445	0.355510869
0.232687628	2.393534637	9.760817357	10.42447536	9.16365509	1.137589232	0.275213326
0.069084333	0.947683539	7.330877194	8.523297485	6.70554771	1.271081477	0.380244124
0.030564691	0.432624891	7.326795273	8.346038399	6.045146248	1.380618112	0.403129674
0.140537473	3.869431997	3.731216547	4.218354669	3.436172495	1.227631813	0.132053093
0.161414093	2.681756687	6.126787298	7.032755385	5.545089316	1.268285321	0.293907725
0.035878598	0.507802385	7.073697942	7.726665339	6.681786567	1.156377155	0.231948872
0.037734753	0.678221643	6.01574193	8.266455727	4.930796635	1.676494964	0.691325504
0.235197858	5.035578745	4.931238222	5.668545229	4.210432788	1.346309397	0.246392802
0.165724616	2.427475995	6.934371369	7.567985895	5.907668077	1.281044533	0.267993104
0.053598694	0.837930975	6.461720941	7.081082406	5.676907902	1.247348473	0.264538878
0.177649972	2.169208633	8.264010871	8.948057739	7.176435076	1.246866675	0.339471274
0.014463869	0.165166134	8.829660739	9.705488068	8.391298005	1.156613442	0.301765466
0.098895954	1.588976106	6.212845835	6.700094561	5.868182873	1.14176649	0.150087994
0.324615551	4.196554627	8.38211408	9.500025176	7.485794384	1.269073753	0.401648948
0.013866364	0.299283655	4.525023302	4.881350581	4.136704199	1.180009579	0.174874541
0.076842382	1.322674913	5.923818739	6.285576068	5.5753619	1.127384407	0.186285993
0.084845743	1.400114089	6.0970996	6.926153349	5.405290525	1.281365602	0.29948259
0.334759671	4.934096294	6.965349362	7.872043019	6.379947121	1.233872769	0.350471962
0.120792694	1.975054999	6.419878115	8.00939298	4.810204552	1.665083656	0.542479358
0.002131927	0.036784303	5.862768283	6.679734103	4.584553569	1.457008627	0.394043434
0.035369481	0.582490935	6.203029497	6.79796996	5.238607071	1.297667465	0.321400417
0.208023744	4.192786259	4.808558262	5.144993092	4.59103409	1.120661052	0.145848291
0.015832121	0.254869395	6.357947589	7.21839388	5.405898307	1.335281108	0.378114644

0.123167395	1.930655864	6.402903879	6.852393284	6.015339645	1.13915318	0.190639163
0.115017989	1.551198097	7.320158626	7.966036079	6.738515166	1.182164896	0.285098229
0.107819642	2.48039658	4.21083387	4.473427444	3.932684783	1.137499619	0.114656877
0.301524474	4.497544285	6.824415512	9.029059278	5.472078574	1.650023689	0.545177942
0.182652753	3.170668954	5.514273647	5.859394632	4.988648474	1.174545503	0.182562028
0.017161482	0.216474507	8.008708662	8.991758016	7.431661767	1.209925626	0.340796338
0.360638601	4.253009788	8.400746342	9.361114676	7.627392607	1.227302062	0.345512639
0.024529534	0.361248151	6.95715335	7.606587894	6.541991635	1.162732745	0.21122255
0.072535014	0.759597276	10.1455084	11.81483283	8.612330173	1.371850892	0.683218119
0.034245181	0.794332474	4.348678851	4.653044902	4.232474902	1.099367394	0.118406483
0.151357974	1.94404707	7.687300979	8.252231624	6.845783558	1.205447346	0.29211502
0.227101485	3.602488268	6.210062385	6.596492659	5.92059008	1.114161354	0.180809444
0.060779363	1.006871124	6.625944879	8.032767712	4.374053383	1.836458545	0.617630119
0.111595592	1.96514591	5.98101327	7.029202774	5.017645519	1.400896645	0.335853582
0.422637723	9.131259155	4.503401455	4.902783141	4.251982947	1.153058044	0.123026957
0.083127473	1.399917203	6.207151662	6.910236906	5.82461866	1.186384433	0.239306605
0.367709668	6.421306142	5.678179337	6.537404041	5.199403408	1.257337338	0.327943777
0.022160727	0.299532948	7.39373232	7.994291305	6.902424713	1.158185947	0.279220591
0.121162747	2.031545917	5.844377192	6.441034604	5.428495294	1.186523015	0.205710397
0.062006194	1.301226742	4.579875283	5.021280976	4.151934444	1.209383492	0.202930749
0.088572195	1.258146496	7.14303479	7.90742788	6.04442642	1.308218072	0.397640864
0.044210084	1.051494523	4.191894565	4.525845992	3.946539549	1.146788455	0.115349963
0.130159502	2.150097185	6.232706417	6.957316137	5.604447667	1.241391936	0.357982642
0.025246069	0.598681905	4.181263427	4.449499447	4.001285459	1.112017498	0.11619218
0.036790766	1.002910828	3.741410608	4.031093231	3.41497818	1.180415516	0.141853647
0.030334881	0.593074821	5.065085617	5.997951175	4.41215207	1.359416239	0.358219865
0.119451549	2.106979403	5.287502076	5.946356595	4.279844226	1.389386221	0.358788598
0.114006826	1.731227896	6.807964164	7.799575683	6.344450136	1.229354084	0.328661949
0.16932379	2.587848613	7.083649198	9.630150965	5.949253994	1.61871572	0.792147949
0.226735204	3.620654285	6.548084681	7.2754425	5.905764325	1.231922254	0.283915729
0.011154609	0.170675443	6.821175703	7.488915789	6.219135718	1.204173076	0.318027728
0.022949151	0.363868399	6.685023112	7.646605711	6.067923906	1.260168359	0.333759183
0.185371578	3.161773099	6.052509881	6.797894416	5.593694907	1.21527801	0.271901508
0.029111586	0.533039903	4.385435953	4.813826043	4.204341015	1.14496565	0.158123697
0.020619234	0.210700211	9.448875025	13.28269702	6.661279747	1.994015794	1.346759791
0.001605132	0.028835377	5.625847303	7.916847469	4.778933174	1.656613972	0.598867279
0.019346442	0.417735828	4.457651363	5.02776558	3.997973188	1.257578614	0.173393816
0.032502163	0.524971298	6.350867325	7.010684867	5.727328063	1.224076007	0.295903944
0.561032662	5.517871457	12.53077033	13.09211657	12.07315954	1.084398539	0.314804556
0.436282527	7.404893748	5.283447045	7.163235376	4.512069496	1.58757204	0.513983213
0.259999628	4.507236172	5.534054731	6.413429211	4.62552936	1.3865287	0.380600496
0.329766318	4.339652248	7.988148868	9.285826935	6.525728887	1.422956285	0.556741465
0.117218859	2.260467386	4.95776478	6.127056794	4.326479009	1.416176244	0.350943961
0.086507444	1.518737815	5.477182513	6.015628755	5.226942025	1.150888747	0.165068707
0.343936738	4.051231968	8.396636127	11.30296578	6.983636188	1.618492927	0.984593548
0.027117545	0.4443251	6.278223903	7.155006394	5.66074364	1.263969338	0.340947646
0.051878068	1.216577652	4.194639944	4.533095816	3.959196401	1.14495351	0.116174426

0.001117229	0.01653349	7.642992783	8.774565066	6.886172419	1.274229649	0.492777081
0.350463334	4.959240994	6.916149706	8.722965726	5.819882901	1.498821518	0.588987394
0.273332126	5.650186912	4.699294656	5.141553518	4.284942564	1.199911887	0.162780314
0.023958546	0.41448477	5.809468363	6.317364406	5.417834912	1.166031175	0.192571271
0.343116495	7.079885263	4.398317184	4.809841442	3.955274097	1.21605768	0.173453665
0.106490281	2.544238185	3.999336657	4.2964888	3.622477093	1.18606376	0.123734106
0.155528137	2.415455504	7.055577412	8.742156426	5.982034818	1.461401796	0.527373762
0.044850369	0.776120374	5.625369401	7.865236171	5.019441735	1.566954372	0.48568483
0.10747316	1.371043574	7.141462495	10.06919688	3.893483336	2.586166683	1.201779635
0.15230373	2.403077947	6.413319953	7.82265848	4.694714553	1.666269246	0.563055462
0.502024601	7.706310406	6.265519355	8.752125322	4.199289197	2.084192088	1.125128809
0.093175461	1.449608747	6.25377164	7.451287346	5.364994449	1.388871399	0.401064086
0.01781202	0.464828166	3.845494231	3.965883878	3.679542981	1.077819691	0.057014149
0.200111219	3.796201545	5.04338412	6.31362234	4.393713985	1.436967077	0.308828188
0.246532779	3.301015103	7.775821748	9.099802259	6.438438575	1.413355451	0.536790695
0.147021642	1.683286759	8.847509989	9.903108303	7.899925478	1.253569838	0.470153846
0.272572694	4.146705537	6.667668752	8.042511885	4.826191868	1.666430201	0.617405207
0.072721218	1.076534405	6.838532186	7.255913611	6.25690435	1.1596651	0.242428549
0.12022583	1.842843579	6.230969914	9.22105617	4.581762286	2.012556653	0.952673206
0.603657059	12.6786616	5.455303446	6.521007895	4.812902717	1.354901247	0.371937656
0.220108199	2.113636433	9.505453966	12.00846349	7.856787576	1.52841901	0.964100977
0.464851998	5.423459601	8.362028331	9.349057783	7.217667984	1.295301724	0.43319033
0.454574201	5.168606355	9.37789705	11.36563772	8.160190071	1.392815317	0.781946977
0.13866364	1.830141519	7.989595847	8.780237462	7.521890816	1.167291267	0.313906417
0.015513923	0.280736992	5.217564894	6.051353113	4.449098219	1.360130259	0.420153294
0.000669394	0.010493639	6.475979269	6.963424772	6.008076492	1.159010672	0.208575691
0.195157936	2.450528465	8.322936152	9.493656328	7.43993069	1.276040964	0.451680534
0.005550788	0.118851437	4.59054636	5.36959248	3.928735236	1.36674837	0.260186742
0.116773971	1.875054943	6.245816402	6.944140501	5.308943672	1.308007945	0.375878418
0.335787333	4.382877462	7.840934309	9.313485776	6.736418233	1.382557533	0.583014362
0.011019081	0.170756992	6.434493162	7.534429468	5.758920999	1.308305752	0.351723287
0.114287312	2.288746863	5.146444275	6.870287721	4.61613319	1.488320947	0.495383109
0.373048325	8.542030901	3.93489343	4.876669297	3.582109993	1.361395743	0.239643624
0.480175002	7.371252777	6.455966581	7.299678576	5.783980288	1.262051081	0.34029773
0.400399215	4.891204795	8.563328671	9.42087072	7.299834943	1.290559416	0.474462732
0.075808918	1.569771282	4.754680194	6.244894629	4.060293957	1.538040027	0.503697961
0.151009724	2.521150688	6.083077321	8.103200568	3.744516485	2.164017865	0.672963861
0.120703128	2.409111363	5.666381793	7.009620371	4.651961406	1.506809657	0.440230582
0.151009724	2.57978503	5.78509841	7.132132082	4.908901758	1.452897702	0.513104113
0.221939605	6.238973106	3.771026917	4.115095972	3.449594859	1.192921529	0.162823787
0.128113607	1.592648656	7.980112336	9.496408015	6.672788549	1.423154345	0.719914879
0.22216588	3.685538608	4.283470149	6.221749778	2.790539528	2.229586686	0.845989839
0.101010204	2.201318043	4.583817088	4.776268802	4.193736173	1.138905407	0.174883687
0.285338799	3.98416839	7.97859617	9.079436334	7.237145875	1.25456036	0.452496621
0.287177277	4.032918223	7.597931698	9.399169755	5.013581397	1.874741629	0.830362703
0.151596623	2.088006194	7.099364376	9.001972059	5.371790444	1.675786156	0.706945893
0.160682945	2.820475141	5.758372104	7.787350755	4.509488119	1.726881311	0.603286821

0.060205428	0.89396956	6.801660097	7.570990841	6.153021557	1.230450888	0.333080703
0.249780756	4.517615232	5.432066091	6.121193462	4.790168514	1.277865997	0.26562232
0.004030509	0.080000177	5.146716842	6.13189606	4.673154878	1.3121534	0.306861712
0.59346765	7.879627302	7.64854766	9.469427182	6.456200583	1.466718244	0.682660067
0.066199337	1.398722707	4.586665125	4.889612154	4.188643037	1.16734993	0.134662337
0.027269573	0.378225562	7.208285074	7.872968454	6.355031708	1.238855889	0.284731202
0.028729749	0.522584299	5.870797093	6.809835254	4.943844331	1.377437233	0.467189898
0.086585225	1.317427802	6.881399303	10.02772313	5.765595574	1.739234569	0.693993783
0.156800929	2.917925359	5.205090709	6.884778404	4.550828589	1.512862607	0.437928162
0.193443202	2.389188226	8.365280857	10.01161874	7.960271155	1.257698204	0.38145074
0.17647971	2.730310858	6.65141626	8.571449253	5.069482843	1.690793621	0.614797807
0.200323351	4.767188615	4.128650735	4.47495315	3.921263984	1.141201706	0.096701353
0.133968451	3.098931751	4.184236585	4.818220229	3.586208536	1.343541565	0.247126156
0.013357247	0.281309083	4.545526645	5.0376925	4.367296139	1.153503756	0.154358038
0.115406898	2.763058868	4.223929885	4.646433827	3.822932706	1.215410834	0.145380013
0.084944738	1.696847935	4.917568975	5.334926841	4.538274779	1.175540729	0.171311749
0.122311795	3.31705571	3.704307296	3.869048643	3.526708722	1.097070654	0.072488095
0.140449084	1.779446501	7.901535474	8.52601455	7.42102672	1.148899589	0.262720415
0.165646835	1.820913048	9.222182666	9.913586647	8.396110691	1.180735582	0.37214073
0.013173399	0.236967822	5.386362113	5.830390238	5.002186084	1.165568442	0.191126877
0.314796868	5.137813281	6.350977864	7.892897776	5.333097702	1.47998372	0.494571828
0.038335794	0.58737522	6.264236171	6.7312029	5.797130769	1.161126628	0.21515084
0.067684261	0.818078191	7.936504869	8.493743016	6.910757812	1.229061016	0.327230443
0.129068201	1.712239588	6.95090855	8.004430234	6.259826421	1.278698433	0.432412433
0.367136912	4.846899567	7.350916155	8.764659382	6.363933244	1.377239365	0.554526146
0.259416265	3.332272412	7.908300401	8.755484136	7.22303549	1.212161306	0.270867499
0.204026234	2.374796569	8.622986143	9.345313362	8.11240274	1.151978478	0.296356987
0.018865609	0.264754585	7.471217619	9.051998236	6.273438121	1.442908667	0.479882648
0.348267767	5.878992974	5.858047527	6.569161267	5.408897901	1.214510125	0.276712214
0.000738927	0.012639726	5.969398575	7.094862204	5.165080548	1.373620825	0.454834179
0.267618703	4.003459965	7.376468468	8.135305589	6.866747243	1.184739339	0.348788942
0.126367053	2.202838089	6.13705125	7.174521861	5.491454744	1.306488389	0.377881019
0.094179552	1.384393232	6.948490244	7.894216152	5.981296347	1.319816925	0.414753682
0.054072456	1.582122311	3.215160611	3.620979667	3.047711518	1.188097904	0.150403086
0.144669333	2.539912831	5.81436023	6.256578262	5.239539606	1.194108401	0.212575177
0.046782185	0.694176803	6.555663376	7.351004052	6.153762101	1.194554474	0.238332173
0.051944064	1.078620797	4.919357286	5.291042901	4.656307545	1.136317318	0.13678722
0.258878864	4.639020585	5.73716074	6.542080376	5.289549305	1.236793534	0.299668748
0.052276404	0.850627049	6.027624763	6.980394386	5.64904869	1.235676088	0.273987875
0.273607898	5.844521799	4.61459902	6.055966126	4.25572215	1.423017272	0.298666007
0.002390021	0.039204006	6.354636249	7.508725671	5.661165665	1.326356817	0.38054854
0.014601755	0.304810682	4.687221616	5.161830581	4.324907542	1.193512354	0.154057741
0.010425784	0.192136479	5.145909674	5.800524513	4.748635366	1.221513986	0.214684983
0.464279241	7.266583343	6.261331737	8.262896072	4.149580588	1.991260538	0.703266002
0.094278547	2.54618006	3.560206255	3.870214306	3.405299037	1.136527002	0.143318888
0.112115316	2.182274683	5.891746712	8.913490509	3.377824997	2.638825432	0.971686109
0.004454773	0.084530174	5.101343271	5.461268288	4.948212423	1.103685093	0.123249676

0.131526575	1.795791832	7.504991021	8.246557955	6.824945759	1.208296483	0.311327051
0.019975767	0.273964319	7.470108117	8.821061211	6.459788001	1.365534165	0.47612657
0.1153574	1.781642427	6.521109244	8.477479421	5.611859584	1.510636411	0.46260733
0.019608071	0.223388967	8.618753858	9.270326656	8.089952451	1.145906198	0.238063112
0.018215071	0.260896886	9.203112112	10.58538445	7.926478575	1.335446044	0.626972734
0.045732131	0.772397514	5.526690215	6.897132636	4.276102014	1.612948572	0.609797528
0.668053274	9.645786132	7.628282336	9.597505959	5.745334315	1.670486943	0.823897292
0.089982873	1.178203418	7.610275431	8.465565406	6.743210141	1.255420672	0.378727582
0.074649263	0.950973699	7.899385176	8.957587322	7.491345279	1.195724798	0.262904727
0.07118444	1.620161201	4.357867317	6.258033103	3.647431479	1.715736989	0.508613124
0.103803275	2.439490796	4.198570336	4.58548455	3.955716139	1.159204652	0.123569747
0.423069058	7.270914383	4.57785239	5.120621196	4.349226068	1.177363769	0.12525012
0.284143789	3.664304326	7.386168336	9.612015758	5.878501723	1.635113199	0.640905453
0.302917474	4.201303794	7.249576151	8.122722231	6.074997564	1.337074154	0.417805553
0.288336932	3.759368065	7.746444143	8.974311768	7.079150565	1.267710255	0.363670774
0.169542993	3.789030826	4.437460754	5.041876337	4.045979125	1.246144921	0.187004433
0.086889281	2.237112626	4.07047254	4.741840569	3.661264606	1.295137358	0.188895615
0.244779154	3.724791749	6.756557178	7.54649506	5.810274115	1.298819111	0.373258299
0.376470721	6.021070776	7.008474615	8.172935493	5.707512003	1.431961157	0.604987367
0.140141493	2.354157043	5.869038242	6.654043249	4.54645867	1.463566202	0.364864494
0.145161951	2.693828335	5.140198191	5.515949654	4.789853018	1.151590588	0.16313477
0.00483661	0.119768197	4.056514438	4.273789438	3.821730516	1.118286447	0.0971607
0.163871997	2.1096762	7.799273242	8.483567241	6.856096674	1.237375674	0.296171223
0.065891745	1.208441102	5.295996039	6.097382623	4.107738104	1.484364989	0.47298049
0.072485516	1.945158186	3.580348206	3.992826664	3.383531681	1.18007663	0.11074522
0.15369673	1.992681505	7.767752508	10.5014151	6.194790328	1.695201055	0.916917419
0.011349064	0.327667024	3.397916708	3.641268216	3.144328521	1.158043185	0.082528965
0.121176889	1.698831085	7.565311764	8.43519264	6.636401191	1.271049232	0.436646213
0.011356135	0.094969653	12.02995485	12.45273942	11.68387581	1.065805527	0.185893366
0.046962497	0.413762684	11.32299803	11.5648396	11.04103666	1.047441463	0.130798795
0.258935432	3.465929824	7.415767623	8.034268063	6.686614768	1.201544928	0.278690132
0.155821586	1.883564968	8.198786429	9.107559666	7.645692841	1.191201354	0.313442384
0.119536401	1.800707089	6.54420532	7.087146117	6.15929176	1.150643027	0.230338126
0.221074578	3.911124142	5.698338785	6.583693836	5.04108213	1.306008049	0.277016404
0.068645926	0.850982914	8.004965403	8.5373098	7.455313967	1.14513082	0.253916976
0.164628601	2.085709011	8.027634621	8.659086818	7.51758575	1.151844103	0.264205693
0.077513045	1.064629069	7.415384133	8.110077522	6.791806421	1.194097272	0.312924872
0.10588924	1.562615301	6.996762425	7.501948806	6.568582523	1.14209554	0.246252571
0.047578858	0.726148233	6.528465316	7.041257663	5.893211325	1.194808276	0.229055015
0.309765803	4.054948719	7.933253563	9.110792354	7.071125404	1.288450117	0.418339564
0.154300128	1.889770627	8.02742718	8.586932336	7.548824481	1.13751914	0.226335497
0.268212673	4.121892491	6.72716539	7.665363266	5.707942013	1.342929422	0.445914114
0.092949186	1.440316857	6.497996609	6.828543467	5.954493166	1.146788362	0.183481958
0.175515688	2.210703807	8.222484522	9.193321997	7.2838111	1.262158212	0.408909935
0.084534616	1.232723101	5.409201213	6.339937828	4.513342837	1.404710002	0.490510534
0.105769032	1.306267509	8.710668956	9.771680812	7.709484787	1.267488176	0.425130996
0.076402888	1.835119282	4.130629312	4.99807939	3.726025091	1.341397137	0.190887349

0.34718943	4.17240133	8.466920037	10.21025325	6.816435643	1.497887428	0.634917716
0.017486751	0.377496279	4.6355539	5.385890276	4.277965782	1.258983954	0.219195985
0.207564125	2.520728423	8.54737325	9.116234961	7.632741371	1.194359211	0.338949249
0.113667415	1.967592617	5.812275137	6.650527347	4.952121889	1.342965197	0.334971908
0.060690975	1.455993554	4.128081141	4.381498849	3.920561218	1.117569298	0.101210934
0.136588281	1.927663111	6.84669689	7.745688322	5.140159996	1.506896347	0.425026471
0.14985714	1.881250424	8.027532593	9.298788379	6.46019825	1.439396752	0.627688635
0.456819265	6.134576563	7.567549319	8.442902066	7.031372082	1.200747446	0.280320339
0.054461364	1.880064928	2.974241936	3.280320773	2.731171036	1.201067502	0.112925839
0.16846112	5.24920624	3.297131587	3.541009317	3.073118447	1.152252794	0.090986783
0.106575134	2.103013143	5.371678171	7.84511088	2.869783739	2.733694102	1.067562443
0.250506719	5.831890696	4.006542562	4.33634344	3.748554945	1.156804023	0.116440986
0.065636008	1.121106293	5.876885583	6.304145423	5.35573901	1.177082268	0.212455752
0.181354033	3.026052197	6.484985733	8.599381943	4.753741194	1.808971417	0.838493526
0.05364112	0.737048335	7.779049057	8.744256735	7.136742147	1.225244874	0.384885333
0.002432447	0.035862297	6.905465609	7.557418392	6.368257695	1.186732503	0.274322258
0.012042028	0.191596719	6.334229839	8.13142042	5.537514091	1.46842433	0.50487308
0.18998545	2.417963887	7.73615986	8.54132856	6.802545639	1.255607682	0.389884319
0.075370512	0.974655313	7.863476499	8.742697106	7.0818691	1.234518315	0.35614251
0.006137687	0.065867594	9.261024549	9.936370792	8.294271606	1.197979915	0.356279099
0.076718729	1.050503313	7.525289633	8.488244503	6.800704593	1.248141922	0.282946889
0.110633927	1.692599961	6.596893167	7.032054867	6.167715958	1.140139221	0.205104524
0.262334259	3.340575954	7.733487968	8.254873539	6.880473021	1.199753784	0.332985745
0.088179751	1.226254827	7.452619746	8.197213307	6.437965989	1.273261356	0.393182262
0.076820081	2.319440265	3.38710153	3.632763392	3.18078205	1.142097552	0.096901577
0.015443212	0.228364039	7.304459179	8.875462958	6.092790899	1.456715503	0.591664609
0.01026719	0.178564935	6.019417393	6.683016429	4.746623494	1.40795166	0.387660514
0.218071731	4.763315279	4.470581694	6.447715104	3.913514789	1.647550974	0.67982152
0.030186388	0.455579941	6.857984014	7.377158146	6.369011661	1.158289314	0.223871402
0.084414408	1.359364617	6.018412002	6.707724566	4.961936724	1.351835974	0.304906406
0.065654865	0.967174832	6.747449293	7.47218709	6.216094497	1.202071026	0.255644237
0.060577838	1.1931319	5.00615357	5.340312902	4.872578824	1.095993127	0.132271535
0.249067757	3.933319598	6.1273737	6.705587511	5.389707409	1.244146853	0.248786488
0.007665038	0.110639489	7.198529774	9.384956273	4.739327517	1.980229524	0.910955032
0.096520076	1.395187679	7.00111365	7.986509835	6.193596118	1.28947863	0.352682467
0.064915938	0.804492519	8.187319135	9.185282425	7.66592209	1.198196684	0.331290765
0.073263334	0.777142064	9.242163778	10.09615182	8.431118271	1.197486679	0.330678116
0.011516412	0.13671344	8.631914214	9.260899799	8.195449944	1.130005047	0.24786788
0.000876812	0.015511486	5.490498777	6.178535267	4.747608008	1.301399622	0.322562585
0.098501742	1.244219384	8.680538326	10.10586948	7.668189418	1.317895129	0.543183453
0.234243263	3.341789433	6.957618071	8.711419058	5.486970003	1.587655674	0.540944805
0.073468395	0.950997371	8.932100461	10.06772292	7.691705962	1.308906369	0.512447493
0.001951615	0.034500012	5.671274345	6.0823039	5.410663543	1.124132715	0.163101263
0.067960033	1.644200253	4.073296532	4.263296855	3.762591199	1.13307469	0.122415546
0.272630676	3.559722846	8.08478231	9.217647018	6.22750567	1.480150723	0.543782023
0.041012193	0.424419737	10.24487349	11.52282199	9.001741155	1.280065911	0.480459576
0.136556462	3.688616252	3.841639646	4.070162377	3.54274887	1.148871265	0.099556253

0.176981756	3.04829475	5.897098651	7.809997465	5.014118948	1.557601155	0.695714952
0.510302465	10.52428962	4.452828127	4.763601962	4.137063028	1.151445344	0.124751904
0.048161043	1.035869374	4.583958211	5.20624431	4.028650286	1.292304852	0.209816169
0.311339116	4.691421992	6.782025206	7.825700676	5.924594005	1.320883873	0.359027995
0.354840325	5.045855967	7.210168773	8.693669435	6.078439792	1.430246861	0.484706847
0.018536804	0.385900721	4.801392193	5.075256951	4.504836134	1.126624099	0.105259842
0.40592879	5.917302918	7.433185798	8.491766785	5.370209831	1.581272809	0.699121614
0.024921979	0.305065441	8.421503562	10.03043602	6.551612089	1.530987471	0.679727158
0.05022933	0.818716908	6.073178743	6.423192305	5.473170287	1.173578012	0.167478295
0.058480088	1.046474012	5.869197092	6.713877491	5.189292757	1.29379432	0.278591494
0.045806377	0.489076019	9.587741811	10.15359347	9.121961041	1.113093273	0.236229241
0.272794725	4.899542355	5.267053928	6.649757768	4.350635189	1.528456761	0.352945689
0.045848804	0.888714545	5.246875322	6.704299495	4.626455846	1.449122118	0.388132578
0.115654385	1.556503617	7.326151701	8.681948031	6.047648997	1.435590597	0.56403834
0.041082904	0.565827866	7.596490413	9.245036853	5.937167657	1.557145997	0.565870135
0.057127157	1.016898816	5.880261783	7.372366666	4.339515853	1.698891516	0.58417928
0.095551339	2.077254869	4.538634202	4.992127045	4.2169553	1.183822614	0.147830995
0.053181501	0.825802569	7.279409441	9.152061744	6.297611686	1.45325914	0.744846505
0.025945516	0.512773432	4.964605397	5.514431776	4.595093613	1.200069518	0.172973995
0.209897577	3.976547154	4.932752547	5.495243799	4.325563423	1.270411103	0.326843563
0.268849069	5.43350577	4.876053513	9.153805002	3.413415645	2.68171414	0.981333333
0.225178154	2.755372126	8.04726727	9.175687527	7.22806778	1.269452336	0.434119944
0.113985613	2.031632987	5.596973428	6.573517969	3.574187612	1.839164219	0.501456113
0.03956616	0.971384359	3.993033805	4.94168777	3.799924941	1.300469837	0.228089129
0.107338809	1.347820089	8.024202092	9.003585908	7.341250909	1.226437568	0.391794952
0.043868905	0.891350619	4.714646139	4.977258232	4.471760863	1.113042129	0.113934321
0.325410541	6.239574898	4.614595298	7.469237743	2.573664092	2.9021805	1.08703608
0.185389256	2.544849577	7.801384372	9.16554739	6.178540442	1.483448636	0.477212424
0.021170777	0.278748623	7.859829134	8.548482363	7.359266447	1.161594355	0.305760931
0.044710362	0.652518484	7.073956662	7.734379744	6.425501411	1.203700575	0.2827375
0.014463869	0.321013408	4.378695732	4.879814649	3.843047083	1.269777482	0.164249789
0.07045612	0.960907586	7.467892242	8.093078772	6.533974593	1.238614974	0.339748165
0.236286802	3.188476635	7.314046962	8.090010223	6.733882752	1.201388637	0.3035872
0.09759311	1.97113698	4.822882714	5.732617409	3.895588072	1.471566629	0.351533904
0.133317913	1.647967766	8.217436104	8.764732829	7.533074189	1.163500134	0.301852834
0.241017346	3.564594788	6.96086749	7.720335393	5.145459374	1.500417131	0.395363143
0.079749271	1.053747797	7.823546678	8.603794334	7.446812127	1.155366107	0.242728597
0.111927932	1.339228425	8.350737531	10.49715322	7.333837887	1.431331505	0.584724885
0.142496159	2.169225728	6.410475838	7.05983039	5.662684108	1.246728628	0.289398729
0.070135093	0.786960884	8.953748747	9.506265502	8.463461054	1.12321253	0.261947974
0.161411265	3.515875751	4.63633955	4.842893166	4.337501774	1.1165167	0.121835645
0.065495766	1.068802579	6.244055218	7.173919086	5.639866446	1.27200159	0.281066787
0.413848386	4.509625541	9.379318639	11.83960277	6.956239571	1.702011935	1.116407089
0.304770094	5.363977796	5.63457457	7.277101379	3.500089674	2.079118553	0.649762096
0.134498781	2.173770348	6.360697943	7.327153608	5.500646853	1.332053085	0.412425659
0.072209744	1.243092604	6.123240247	7.10446302	5.271294572	1.347764372	0.406785402
0.02926715	0.820460648	3.727466941	4.054325686	3.343538071	1.212585471	0.133317376

0.023857783	0.614297123	3.692167592	3.879644639	3.551916221	1.09226806	0.075803767
0.191145105	3.540652839	5.392392792	5.859736553	5.028359196	1.165337703	0.155208132
0.109467201	2.093316064	5.346625821	5.891029027	4.977695693	1.183485169	0.160263952
0.019509076	0.343465198	5.575193014	5.950837372	5.310761384	1.120524336	0.112839061
0.178643457	2.037009067	9.053696591	9.688530717	8.080163563	1.199051311	0.406450065
0.143938656	2.504947969	5.970252026	8.155807441	4.885062547	1.669540024	0.553017043
0.183395215	2.480333461	7.582886585	8.852823097	5.424778728	1.631923354	0.580034847
0.276111056	4.418417538	6.112057633	7.846445969	4.822923552	1.626906561	0.572020288
0.20773383	3.12432615	6.640088031	7.206660169	6.01777217	1.197562813	0.244758145
0.030589439	0.411572786	7.490622304	8.293827189	6.722617162	1.233719992	0.342963104
0.166555467	2.429751473	6.765071978	7.579102159	5.307272897	1.428059628	0.373270787
0.284603408	6.279900868	4.501516833	5.13851552	4.122402929	1.246485511	0.218960246
0.071203885	1.025216593	6.916595535	7.703105845	5.963948475	1.291611736	0.354249692
0.329398623	5.073801806	6.557298172	7.669928697	5.186069926	1.478948184	0.519613942
0.028842886	0.524957497	5.823749052	7.191271879	5.049514213	1.42415123	0.416399336
0.22131028	3.250574148	6.979520779	7.872873928	6.273634193	1.254914406	0.385393835
0.0999684	1.91422298	5.259134416	5.924319624	4.839062909	1.224270016	0.186203839
0.278798062	4.657906446	6.178120456	7.406787982	5.258039192	1.408659714	0.42714265
0.182582042	3.086509813	5.898531583	6.481423498	4.265309659	1.519566929	0.425606546
0.119267701	2.354283422	5.277762725	7.075125123	4.323665376	1.636372038	0.427611284
0.020428315	0.516192059	3.699029503	3.962075977	3.475158511	1.140113743	0.104579648
0.062847651	1.23335263	5.260251452	6.910286756	4.412739006	1.56598583	0.54645951
0.114678578	1.78608994	6.473210847	7.707767298	5.721036629	1.347267602	0.412800108
0.058187817	0.957258146	5.977752788	6.667077571	5.453510711	1.222529472	0.283379263
0.159318229	2.997733439	5.521720023	6.04231654	4.898117958	1.233599638	0.259823813
0.013887577	0.202753387	6.868914998	7.685221232	6.30685662	1.218550174	0.301796723
0.007445834	0.135925739	5.626298091	7.131344115	4.787060392	1.489712586	0.442976473
0.111174864	1.69556956	6.406227597	7.120940615	5.633919712	1.263940734	0.250965806
0.1985273	2.562492754	7.809389541	8.427944276	6.186337505	1.362347959	0.428444687
0.38268619	6.159224434	6.554178704	7.2098833	5.954442515	1.210841029	0.301874316
0.048620662	0.666523432	7.623766579	8.746966894	6.337028242	1.380294763	0.573672214
0.112659788	1.94306508	5.743724284	6.104364415	5.162921321	1.182346977	0.203901748
0.088393062	1.062054438	8.332178174	9.497758606	6.992330767	1.35831083	0.503443596
0.086076108	1.690024944	5.267801226	6.957470103	3.757947729	1.851401511	0.661817614
0.015146227	0.271141822	5.368073035	6.029765419	4.911421467	1.227702705	0.241338554
0.009326738	0.164431891	5.591632556	6.104850098	5.153607436	1.184578021	0.191780049
0.08952679	1.232347722	7.143109868	8.188654255	6.645780205	1.232158453	0.324631075
0.396899036	5.696988572	6.577418856	8.088786835	5.476830935	1.476910084	0.560455517
0.038721167	0.611676856	6.385354843	7.343468478	5.704266952	1.287364098	0.400072801
0.183656844	2.533484242	7.443303478	8.149061008	6.009561246	1.356015968	0.369048622
0.005656854	0.099474743	5.510152788	5.999577169	5.071049191	1.183103721	0.187697969
0.193966461	3.111311082	6.27382876	6.867137567	5.060518607	1.35700273	0.383103855
0.000278129	0.004617414	6.192958064	6.973511463	5.132205881	1.358774692	0.353425845
0.094487144	1.629667026	5.811846329	6.777224028	5.216578033	1.299170449	0.329966365
0.479807306	7.058730637	6.702442365	8.663756971	4.462102633	1.941631039	0.727213301
0.137494557	1.994531547	7.09710657	7.79940212	6.616064948	1.178858155	0.211750276
0.098436335	1.290443166	7.671683082	8.333094933	6.887606605	1.209868015	0.368262098

0.059078772	1.288244649	4.596457076	5.347099878	4.094500612	1.305922354	0.265176404
0.13488769	2.073591712	6.973440204	7.771859371	5.936000623	1.309275363	0.339320383
0.068525718	1.394534011	4.957709363	5.894429806	4.368497074	1.349303824	0.274863363
0.043663844	0.676698695	6.072791229	7.054755274	5.313443276	1.327718187	0.368130396
0.087797913	1.373456723	6.356898247	7.118455097	5.738937679	1.240378533	0.235704091
0.090257938	1.519282126	6.03682393	6.636844599	5.667626241	1.171009576	0.230648102
0.089767206	1.331501298	6.793915692	9.256601774	5.345544409	1.731648091	0.87857568
0.337263418	4.690443503	7.271504048	8.276738298	6.356393987	1.302112222	0.395984249
0.224396801	3.439744327	7.189983497	10.51429813	5.061986538	2.077109066	1.182040483
0.117927733	1.494136299	8.02319792	10.53365716	6.69056575	1.57440455	0.822361733
0.05469471	0.746029101	7.450033405	7.775065684	6.643900271	1.17025623	0.234059846
0.058993919	0.735440665	8.488013651	10.78524	6.583975496	1.638104517	0.937128974
0.392027071	5.849182207	6.457363753	8.344738001	4.529680173	1.842235584	0.649143987
0.072407734	1.082926199	6.824999199	8.280133294	6.077670089	1.362386107	0.402375946
0.1789263	2.539044085	6.73555458	7.11801438	6.081959188	1.170348922	0.210443377
0.185629672	1.838935381	9.398449473	10.86259273	8.512659212	1.276051638	0.479487884
0.072641964	0.970809725	9.263199256	10.77739855	8.402632432	1.282621683	0.548647556
0.030373772	0.623886061	4.767398245	5.361803047	4.352035149	1.232022	0.255678202
0.066864017	0.953204442	8.147402683	10.84235462	4.743662797	2.285650368	1.320635111
0.299077884	4.360662054	6.815066661	9.244848892	4.372913065	2.114116781	1.032381728
0.219966777	3.382016273	4.43337254	6.059156453	3.997222262	1.515841766	0.357212636
0	0	7.062986016	7.410817299	6.562876899	1.129202545	0.18474221
0.147049926	2.070032844	7.4244273	8.314181191	6.795083687	1.223558322	0.344453646
0.016401342	0.213364831	8.116306073	8.890695582	7.626510148	1.165761981	0.295426586
0.006215469	0.065361014	9.810829143	11.3352036	8.443220632	1.342521308	0.505304327
0.012699638	0.172725257	7.284291427	7.980534526	6.797987522	1.173955454	0.246390829
0.010431593	0.188274425	6.846545865	9.066189371	4.931389377	1.838465527	1.062785709
0.132865364	1.658043578	8.069488389	8.62638906	7.568591493	1.139761482	0.237209144
0.38069922	7.135509458	5.120970133	6.076959493	4.544459989	1.337223676	0.273048085
0.251935075	2.565935989	10.17819886	11.04736285	9.204542166	1.20020775	0.357087558
0.024964405	0.39771454	6.392366223	7.273639951	5.216829048	1.394264578	0.451295781
0.283410755	3.877895327	7.206528907	7.881365276	6.607356115	1.192816785	0.287250255
0.199967441	2.407390269	8.253771303	8.762424742	7.660363032	1.143865468	0.234681213
0.150033917	2.157149161	7.337194929	8.305210817	6.271510628	1.32427597	0.59006719
0.188878828	3.084011471	6.461175158	8.019307386	5.904365909	1.358199595	0.377876576
0.181337534	2.72189401	7.653062108	9.455530552	5.2159552	1.812809004	0.918460696
0.058029897	0.768653424	7.712890175	8.691138025	6.405359457	1.356854066	0.442249929
0.232178512	4.174170981	5.660210151	6.555588947	5.198551048	1.261041564	0.288500231
0.103138595	1.822517896	5.675290545	6.182592417	4.720996999	1.309594651	0.250845211
0.046527626	0.538291106	8.629988635	9.638144451	7.950849624	1.212215663	0.295831481
0.01417042	0.334058865	4.314271431	5.701384846	4.107238089	1.38813108	0.294470922
0.136987797	1.926209896	7.202479595	7.980145734	6.829373626	1.168503317	0.232863893
0.233998133	3.219165286	5.903733703	8.787142709	4.435427613	1.981126393	1.001084594
0.132448171	1.966279812	7.168224816	8.422507764	6.109787161	1.378527196	0.598307277
0.149542478	2.226699576	6.747553505	7.586505263	6.295255374	1.205114775	0.237429469
0.026474078	0.806772476	3.197258248	3.484061118	2.904909555	1.199369912	0.113839442
0.00624611	0.117176951	5.679481346	10.08481432	4.103144612	2.45782571	1.204881318

0.26130424	3.737412156	7.076838902	7.706844764	6.38502519	1.207018694	0.312438377
0.042150635	0.685832702	6.156139858	6.698985868	5.697803061	1.175713832	0.188412016
0.136803949	1.789585216	7.542234703	8.134045044	6.887363141	1.181010044	0.276892648
0.02763939	0.477605358	5.876653364	6.476022944	5.291641974	1.22382107	0.269300391
0.002276884	0.045773816	5.143696599	5.663622808	4.712983651	1.201706441	0.217104122
0.287948023	3.851388394	7.542774397	8.620954703	6.37263677	1.35280811	0.466364619
0.086981205	0.903847884	9.704310587	10.73855231	8.899737395	1.206614514	0.322713401
0.09749824	1.616782727	6.016111735	6.744104005	5.123571114	1.316289723	0.282711981
0.100467499	2.065429278	4.802036895	5.534338286	4.621302816	1.197571011	0.177720377
0.074122468	1.045305367	6.989759167	7.735027079	6.6043811	1.171196356	0.2129087
0.061065742	1.711698737	3.588159549	3.831147209	3.31178896	1.156821058	0.100243901
0.064445712	1.146047118	5.19622069	6.462132479	4.776973151	1.352767176	0.394848068
0.194772563	2.791119702	6.997344384	7.82228426	6.125122699	1.277082051	0.354996318
0.057636274	0.595131983	10.18402174	10.88564672	9.302428006	1.170194138	0.368125703
0.026273731	0.463417585	5.594511817	9.099901743	4.066159362	2.237959935	0.922869644
0.123524484	1.813762729	6.769067028	7.704536879	6.302707772	1.222416961	0.340531557
0.173481578	2.038052154	8.534700781	9.185184921	7.920850385	1.15962106	0.323379507
0.142549192	2.356879305	7.096171968	9.070346755	5.929098056	1.529802116	0.65155416
0.001984613	0.033910068	5.826996846	6.610484469	5.175660479	1.277225292	0.30314263
0.182784746	2.618998196	7.222875923	8.092703768	6.320092222	1.280472418	0.346830535
0.012558216	0.1818469	7.43022226	8.510587582	6.46624795	1.316155466	0.449086592
0.09654836	1.912402802	4.97357966	5.452491393	4.494788496	1.213069624	0.19235827
0.082568859	1.7430785	4.73785634	7.333604851	4.237349978	1.730705486	0.472290726
0.082286016	1.537757598	4.629047905	5.178016789	4.265755606	1.21385688	0.13346831
0.156890496	2.623884286	5.913243314	6.276779093	5.172168255	1.213568234	0.198220387
0.304862018	4.897602883	5.240760343	6.390166368	3.744373376	1.706605011	0.677547846
0.27011479	4.31515069	6.358831564	7.584721299	5.158273756	1.470399141	0.468094913
0.145777134	2.579285551	5.734946135	7.518010582	4.064480624	1.849685428	0.715404905
0.081091006	1.174372509	7.049155509	7.962700715	6.254606751	1.273093742	0.315963008
0.093589118	1.339953533	7.142078352	7.971864386	6.234291551	1.278712155	0.391448013
0.006880149	0.128540933	5.320732657	7.456151261	4.921398286	1.515047316	0.404725612
0.085185154	1.662852319	5.097091533	5.379201429	4.756676493	1.130873928	0.15828491
0.142672935	2.562346351	5.429896336	6.702906472	3.180427988	2.107548574	0.54217455
0.349462778	5.809856546	5.869708189	6.411817263	5.224243766	1.227319695	0.245626317
0.139476813	1.775348559	7.667270406	8.329606466	6.947532266	1.198930231	0.308210644
0.219302097	3.884879682	5.485840707	5.974923295	5.062396754	1.180255832	0.248026441
0.055130287	0.911950469	6.2350656	7.29736192	5.508247083	1.324806569	0.382883537
0.265073119	3.622010337	7.360485361	8.454195909	6.279308376	1.346357816	0.494323514
0.248385399	4.808934998	5.160720687	5.870542745	4.588069188	1.279523587	0.223621152
0.081907714	1.075734232	7.850086023	8.890736396	7.315369191	1.215350335	0.338716382
0.193704832	2.817635275	6.775529271	7.32980063	6.18867909	1.184388546	0.258340014
0.05364112	0.93385219	5.315562509	6.429643201	4.088748991	1.57252089	0.576769133
0.15336439	3.651368451	4.357662614	4.646556463	3.864465702	1.20238005	0.158836676
0.235728188	3.221745208	7.409089109	8.061994565	6.852089126	1.176574679	0.317070397
0.067054936	0.907685619	7.47177517	8.216520434	6.243230678	1.316068692	0.399447425
0.014127993	0.230039882	6.458913928	7.518144507	5.336981062	1.408688624	0.382589156
0.158522734	2.313811905	7.212775347	8.187246565	6.322210894	1.294997383	0.416706207

0.082229448	1.171878145	7.115831848	7.80388394	6.647091462	1.174029872	0.282720582
0.049324234	0.655216991	7.642770675	8.581639616	6.977381114	1.229922728	0.292600397
0.322695251	4.143559012	7.909749388	8.669222541	7.17058244	1.208998378	0.364490248
0.227115627	3.335417053	6.878858222	8.040527004	6.001964318	1.339649251	0.429246154
0.073659313	1.237616119	5.753585916	6.630485549	5.384713478	1.231353456	0.234639494
0.205838784	2.794889165	7.419860598	8.682114472	6.890085053	1.260088142	0.382553057
0.036345289	0.553411489	6.400141519	7.944401023	5.355443662	1.483425375	0.456838423
0.026827631	0.414119106	6.188380748	6.997975955	4.66182511	1.501123656	0.377069522
0.047040279	1.089386495	4.279906428	4.514758361	3.985785124	1.132714941	0.09836511
0.99866812	17.77214618	5.045378701	10.47790405	4.328600121	2.420621855	1.166627301
0.771913118	16.64362463	4.213249514	8.353419076	3.706725474	2.253584501	0.860705851
0.254618545	3.57550145	7.217378793	8.476980812	6.331991755	1.33875424	0.403416904
0.1027709	2.251069097	4.727048933	5.068849397	4.267866619	1.187677556	0.13962793
0.063558293	0.947996663	6.933250454	8.064950234	5.862525203	1.375678561	0.550604919
0.21618517	3.053216948	7.162381477	7.706682803	6.011348035	1.282022395	0.327174798
0.018299923	0.304038552	6.129410478	7.009231075	5.530940933	1.267276429	0.294766495
0.077300913	1.063550211	7.624319434	8.447377676	6.927775234	1.21934927	0.430364274
0.049561114	0.909822947	5.815767987	6.88949829	4.985307186	1.381960636	0.359440624
0.089922769	1.46623554	6.097027659	6.736990164	5.631665033	1.196269687	0.247376822
0.273084639	4.138998201	6.846292257	7.903914152	6.369606591	1.240879486	0.363154614
0.069823259	1.140920191	6.223031258	6.756991299	5.832505373	1.158505799	0.189451542
0.134010877	2.726182645	4.799434969	5.3454793	4.354262048	1.227642995	0.29667281
0.205654936	4.256282851	4.619746549	5.011713163	4.365633835	1.147992102	0.190526473
0.093044646	1.466098814	7.490710296	9.23992428	6.073869602	1.521258256	0.898875615
0.4841348	6.393404385	7.885347493	9.40664325	6.696378291	1.40473594	0.681108724
0.114873032	1.915170058	6.407353923	8.478251688	4.553169748	1.862054823	0.787350609
0.108922729	2.305332519	4.487308458	4.992872301	4.161820044	1.199684813	0.191030695
0.08436491	2.070238721	4.117089973	4.614532545	3.630520158	1.271038954	0.203868699
0.4057308	4.76138654	9.085268388	10.90890849	7.922449892	1.3769615	0.737437245
0.00165463	0.034974836	4.626756025	5.654880573	4.16363318	1.358160128	0.372049592
0.003676955	0.092257088	3.947595394	5.511419238	3.124264441	1.764069381	0.432943146
0.078818836	1.39733133	6.150003916	7.812178747	4.798936051	1.627898072	0.717075162
0.401346738	5.412230615	7.491480813	9.504889084	5.59100231	1.700033117	0.982422446
0.211403714	4.450420112	4.952058227	6.320953714	4.576951895	1.381040015	0.351568876
0.094370471	2.375313468	3.844885619	4.139908462	3.37345496	1.227201344	0.126273428
0.295832264	4.229994907	7.311661481	8.534164869	5.692449724	1.499207772	0.538944557
0.16534985	2.728048187	6.053116225	7.064294619	5.550569521	1.272715276	0.32684639
0.008015055	0.166715055	4.170807034	4.823560308	3.669807042	1.314390717	0.281670601
0.146526667	2.534759458	5.967017359	7.363073877	5.455102045	1.349759146	0.424950169
0.051597582	0.544856305	10.16208439	10.94881951	8.892382866	1.231258222	0.43929067
0.199976869	2.714139146	7.515104385	8.572003425	6.539801919	1.310743587	0.408907772
0.276457538	3.69606562	7.569129379	10.73378317	4.733038553	2.267841904	1.264214357
0.14889901	1.700329667	8.582303846	10.123686	7.445952658	1.359622666	0.539020609
0.217774746	3.283753282	6.448652041	7.412003249	5.631098977	1.316262293	0.338678814
0.230728943	3.997138532	5.791399871	6.426765671	5.306905925	1.211019333	0.228007449
0.160286965	2.528725551	6.524314572	7.352500207	5.176419458	1.420383388	0.456338565
0.169781052	2.471640036	7.241658475	7.68905617	6.651246661	1.156032329	0.240486352

0.489275466	8.801438195	5.569862792	7.897542039	3.885204267	2.032722477	0.879802002
0.055394745	1.275599227	4.333737448	4.699466329	4.162987342	1.128868753	0.142032647
0.088345921	1.741737825	5.830373101	9.860706616	2.625776942	3.755348163	1.604481501
0.119437406	1.940058626	6.246821718	7.180500694	5.334708996	1.345996698	0.306906632
0.00534337	0.080331968	6.627036867	7.12855379	5.983856846	1.191297515	0.257861107
0.253865477	5.34443185	4.239941937	4.706693755	3.9525212	1.190807972	0.262043621
0.074001082	1.299371613	5.699176081	6.233869499	5.390870458	1.15637531	0.205018786
0.187347942	4.24512055	4.359553867	4.822860502	4.060266302	1.187818764	0.168277521
0.055819009	1.117665355	4.808691149	5.138871094	4.589394556	1.119727457	0.10641469
0.000240416	0.003928764	6.177625774	6.989269289	5.416202982	1.290437104	0.337517936
0.098125208	1.196354365	8.154088449	8.590863722	7.165737615	1.198880588	0.285686916
0.192778522	3.714874305	5.688141737	7.050346134	4.934472049	1.428794421	0.384819635
0.175107923	2.753446936	6.507742533	7.496788716	5.969893371	1.255765933	0.322436403
0.123941677	1.566387443	7.891898307	8.842065164	6.163749725	1.434526961	0.466790473
0.523195378	7.262333161	6.831962159	7.668355348	6.170861041	1.242671857	0.313571359
0.077728713	1.266419979	6.322546579	6.92355575	5.936560901	1.166257007	0.25066159
0.134265436	2.04210131	6.528234943	7.086956628	5.562745165	1.274003467	0.274092956
0.03913836	0.547614608	7.182265947	7.793428862	6.651196124	1.171733432	0.241880725
0.228027795	3.128651699	7.383464939	8.397494226	6.860979064	1.22394984	0.345326428
0.090502597	1.774554574	5.062648273	5.475267441	4.633428185	1.181688206	0.203583032
0.460814418	5.799934758	9.390162038	11.21500286	8.04940858	1.393270419	0.590395557
0.18442052	2.742288358	6.597618472	7.815170014	5.775114417	1.353249382	0.451804438
0.108109556	1.847772773	6.216594078	6.868876393	5.643514184	1.217127515	0.213950865
0.076445314	1.394170815	5.488708008	6.135954723	5.218249819	1.175864502	0.205234852
0.353079629	4.480788862	8.185471088	8.744615088	7.288662387	1.199755816	0.323193832
0.076798868	1.712073294	4.29990673	4.686439269	4.108431091	1.140688298	0.136558846
0.194411938	2.925710691	7.400247999	8.657547863	5.949615459	1.455144105	0.569714412
0.06072633	1.283641235	4.808534296	6.939071022	3.917251772	1.771413079	0.676844471
0.036786523	0.532279823	6.988094826	7.980322883	6.318839867	1.262941149	0.40064214
0.01455049	0.239084403	5.674986975	6.212319388	4.908446765	1.265638538	0.26864947
0.057699913	1.108860279	5.204804128	6.673423195	4.322209176	1.54398432	0.460977356
0.012232947	0.175751201	6.885426874	7.514601694	6.328442251	1.187433083	0.275888951
0.05001602	0.772282269	6.454806248	6.977151502	6.091476202	1.14539584	0.166406781
0.198803072	2.921374303	7.028632379	7.830060148	6.263207165	1.250167836	0.340663487
0.048924718	0.938086837	5.17069765	5.646235255	4.815913057	1.172412207	0.199447804
0.01702006	0.319962616	5.953990274	10.72889121	3.517640785	3.050024679	1.694183854
0.140464994	2.416006283	5.831665015	7.380172465	4.641343707	1.590093932	0.464722817
0.22647216	2.906445118	8.376399011	9.547063065	7.014022164	1.361139563	0.584399752
0.145324586	3.519673272	3.765302956	3.969027354	3.628739275	1.093775841	0.068509446
0.071622846	1.188296684	6.143615508	6.925684294	5.646645852	1.226512956	0.276987168
0.230700658	3.151892642	8.103017148	9.247997887	6.940950961	1.332381966	0.40668529
0.044088108	0.74563353	6.262615886	7.211294586	5.61919303	1.283332775	0.36565676
0.126833743	3.050292406	4.101325139	4.372533061	3.82288975	1.143776919	0.115958772
0.135094518	2.14861402	6.239325375	6.62794496	5.901990326	1.123001664	0.186443965
0.18157795	3.503985435	4.225912894	4.529132318	3.833327249	1.181514654	0.146992333
0.128504283	1.977845142	6.479964341	6.896234439	6.157149325	1.120036899	0.181889234
0.183416428	3.071630812	5.605785464	7.409633181	4.301592101	1.722532729	0.570328639

0.041952645	0.628484053	6.954151753	7.782113042	6.440495601	1.208309659	0.261034502
0.024023953	0.381574315	6.171247006	6.846885431	5.589710752	1.224908718	0.280138585
0.48807692	8.132427325	5.778038405	6.857339473	4.994573754	1.372957896	0.405172109
0.24783032	3.270281498	7.570138228	8.072817406	6.89595692	1.170659489	0.290204429
0.158823254	2.576974318	6.120888122	6.4269015	5.643380819	1.138838881	0.187250759
0.053047151	1.418662125	3.618519077	4.253934367	3.440894889	1.236287217	0.192040099
0.258122259	4.742139672	5.139524516	5.511393149	4.598924622	1.198409107	0.201675055
0.188005551	3.202140604	5.498646524	8.561739444	5.026264833	1.703399986	0.564098384
0.104977073	1.965808386	5.353327745	6.288698088	4.659311112	1.349705555	0.349678437
0.117033243	1.800795058	6.329319359	6.771561082	6.033864364	1.122259413	0.162097318
0.082423902	1.311583391	6.255791235	6.980673964	5.620894716	1.241915089	0.318742042
0.416415183	5.314063222	7.994630217	9.830818791	7.086420279	1.38727572	0.519126575
0.055147258	1.459191801	3.730770048	4.041489086	3.383559301	1.194449018	0.137801677
0.008697413	0.171485282	4.959249657	7.134391992	4.602396038	1.550147343	0.408366501
0.191463303	3.22777586	5.583553177	6.17340294	4.920088034	1.254734244	0.222860794
0.554244437	7.819096611	7.278052608	8.614377752	6.370410789	1.352248393	0.393403328
0.151897143	3.033182457	4.805088189	5.422219554	3.989079248	1.35926594	0.320069022
0.039442416	0.962319165	3.916191919	4.243237521	3.710471537	1.143584442	0.126703936
0.038735309	0.675589992	5.698578922	7.240649407	4.862986006	1.488930751	0.467856108
0.071790194	1.054270283	7.344799818	8.048555386	6.43201577	1.25132706	0.318859479
0.031070272	0.387267478	7.906871747	8.818828269	7.097037066	1.242607047	0.312640297
0.079761645	1.407501661	6.069529192	7.448523299	5.090195891	1.46330779	0.56543109
0.182886098	3.338239844	5.710131696	6.942805864	4.945183816	1.403953042	0.41900665
0.016984705	0.379631082	4.354084453	4.848222655	4.128718937	1.17426803	0.18561584
0.183589669	2.884582843	6.470785037	7.024771056	5.943946839	1.181836118	0.229419997
0.349954217	5.479209001	6.647279988	7.480632118	5.664522697	1.3206112	0.425360188
0.237591414	4.434089482	4.825025631	6.463077888	4.358972367	1.482706781	0.374570839
0.028885312	0.406639436	6.467001076	7.470469586	5.190786089	1.439178856	0.447301449
0.093557298	1.293152443	7.443058264	8.38184509	6.794348955	1.233649485	0.31418808
0.186812898	3.62882719	5.216182791	5.856702024	4.465683509	1.311490618	0.274779955
0.077003928	1.522403272	3.937891809	4.216605254	3.539552105	1.191282153	0.114634015
0.02741453	0.406979321	6.731011836	8.13573286	5.932908697	1.371289072	0.413928443
0.12813482	1.745621115	7.256053517	9.461340262	5.180202438	1.826442185	0.823431172
0.147610898	1.837218446	7.983583641	8.792002592	7.367997701	1.193268911	0.343774816
0.020868135	0.449897316	4.578112922	4.972847698	4.197596826	1.184689217	0.194339648
0.219436447	3.597678085	6.236971022	6.72566884	5.412968849	1.242510169	0.256244003
0.177116107	1.996464048	8.944877074	10.05066622	8.087978383	1.242667295	0.435582879
0.138112097	2.586246906	5.408658079	5.870784324	4.80056807	1.222935336	0.210810866
0.023501872	0.546128988	4.255704785	4.51765895	4.088282297	1.105026175	0.102436773
0.121869854	1.676427731	7.142748012	8.034882761	6.706087869	1.198147552	0.287930362
0.232524994	3.360929617	6.880308875	7.95728837	6.311318914	1.260796432	0.330935164
0.139292965	2.022936635	6.635421312	7.669511962	6.202115326	1.236596155	0.242953543
0.110605643	1.882432075	5.812091206	6.35722702	5.245245673	1.211997953	0.270541214
0.319949319	4.756252535	6.572262157	7.305134677	6.146588852	1.18848598	0.267142017
0.167356619	2.725448	5.829738306	7.06627931	5.157462785	1.370107668	0.358552399
0.42390698	6.997977308	5.837346491	6.464243135	5.027694338	1.285727154	0.249562564
0.101872874	1.22921242	8.246101541	9.032519977	7.694951114	1.173824218	0.302056704

0.117521147	2.011706162	6.039980603	7.075172213	5.125097891	1.380495039	0.390641486
0.305204964	7.253575501	4.000827964	4.685085928	3.615022265	1.296004723	0.175833783
0.00675287	0.156479203	4.363208193	6.105478793	3.728441358	1.637541859	0.551387027
0.122499179	1.804729617	6.92473492	7.988601494	6.562888155	1.217238707	0.283462272
0.216685802	3.006227386	7.141721798	7.888184476	6.406954638	1.231190936	0.342466597
0.226040825	3.696601166	5.557983543	6.463355933	4.258289184	1.517829263	0.457928823
0.023525443	0.336392667	6.959058671	7.947380534	6.222417273	1.277217548	0.300779704
0.068377226	1.142342868	5.856835742	6.756432667	5.253237291	1.286146483	0.298846916
0.269247406	3.019412045	10.33030606	11.89555448	8.223788895	1.446481011	0.790890557
0.117354977	2.232226312	5.130888739	6.017507835	4.076207207	1.476251704	0.447229572
0.377948575	4.696581562	8.223614513	9.295790588	6.817067418	1.363605495	0.516142788
0.163688149	3.689439515	3.65881689	3.954394066	3.30901109	1.195038021	0.105808232
0.082551181	1.629320838	4.859421402	6.144214013	4.632970677	1.326193158	0.287279602
0.085721141	1.397905783	6.315838277	6.87222471	5.949546158	1.155083855	0.214157158
0.541063967	7.537735927	8.475495508	10.00850542	7.020305781	1.425650923	0.717260742
0.199743524	2.552622063	7.814054271	8.83294673	6.606900565	1.336927451	0.428482743
0.032427917	0.41732906	7.917299065	9.213628987	6.834258676	1.348153388	0.451977109
0.119840457	1.673654341	7.547339063	8.622470066	6.871996196	1.254725675	0.348935755
0.036452533	0.82519539	4.356302718	4.5741129	3.941732398	1.160432124	0.149666221
0.029161084	0.554283747	4.719880124	5.616915659	3.914729153	1.434815907	0.393949492
0.119826315	2.532811284	5.032877887	5.924228546	4.319966717	1.371359766	0.333810899
0.00536694	0.090169435	6.035597719	6.545118444	5.475710036	1.195300409	0.252848687
0.15363309	2.090515141	7.351846593	7.888639729	6.646275845	1.18692632	0.288286814
0.11754236	2.220093687	5.077765577	5.556784049	4.643943643	1.19656578	0.316960816
0.025413418	0.430176518	6.673213975	8.324186183	5.180384986	1.606866325	0.748090527
0.423620602	7.627704716	5.556372344	6.567614987	4.78984807	1.371153091	0.372304136
0.00695086	0.104111751	6.228611807	9.331089317	3.366813391	2.771489903	1.055595269
0.039240891	0.546372609	7.025284337	8.02582807	5.645779608	1.421562411	0.4191617
0.078488853	1.520122762	5.215784389	5.925695853	4.742396249	1.249515128	0.248865604
0.751933816	15.66471464	4.540398032	8.60715455	3.258012692	2.641841933	1.485451476
0.060747544	1.207959343	5.317671262	5.920263884	4.896129109	1.209172339	0.239686429
0.040693995	0.39991514	10.17262423	10.95646114	9.472852203	1.15661692	0.306743302
0.194518004	3.587670199	5.379630639	5.809471148	5.172467227	1.123152819	0.147010857
0.176698914	2.341309003	7.272762369	8.062653716	5.469617428	1.474080011	0.549522342
0.041080547	0.489803231	8.415280119	9.042674457	7.926874047	1.140761718	0.228410846
0.27097039	3.916022593	6.981179694	7.409440398	6.391990292	1.15917579	0.257218898
0.181422387	2.068037305	9.01377178	10.09199557	8.294738924	1.216674288	0.388313419
0.111128902	1.297431433	8.702886547	10.05745494	7.557412963	1.330806585	0.447047479
0.166986802	2.23721546	7.645818578	8.292182624	6.875297579	1.20608345	0.321294341
0.049449745	0.921961881	6.002692695	7.72023537	4.740908849	1.628429404	0.626962412
0.083120402	1.266312285	6.760481391	7.954393145	5.871363102	1.354777929	0.33075977
0.123665905	1.330893932	9.724767264	10.77941035	8.510139213	1.266654996	0.46837497
0.23977991	3.56578452	6.782822191	7.828117087	6.119867674	1.279131756	0.325355777
0.124514433	2.492162071	5.088319628	5.588266268	4.380931875	1.275588488	0.327903265
0.113812372	1.577750984	7.18494833	7.761766536	6.898886867	1.125075202	0.191443206
0.127788337	1.472186875	8.857453034	9.652275115	8.240903968	1.171264118	0.336536461
0	0	5.188319851	6.019260987	4.676141568	1.287228134	0.294372464

0.123156788	2.19484455	5.665306165	6.515281165	5.034481989	1.294131388	0.320919643
0.068695424	0.901107937	7.78970242	9.135617118	6.597848838	1.384635711	0.48652745
0.278239447	4.214506858	6.64996139	7.73393379	5.55650317	1.39187067	0.429464499
0.100684935	1.541206117	6.629331638	7.411265386	5.64449278	1.313008214	0.348177441
0.208377297	3.109158458	6.600263778	7.187264205	6.222774376	1.15499354	0.261213972
0.061779919	0.957679792	6.309277569	6.593095545	6.108062067	1.079408734	0.128489135
0.074182572	1.181769583	6.164645397	7.119318554	5.422482143	1.312926141	0.350623319
0.101073843	1.760930718	5.511245831	6.046649391	4.936287524	1.224938653	0.203592178
0.066779164	1.357069725	4.005432059	7.006883838	3.19446283	2.193446664	0.85057575
0	0	4.066667701	4.706188116	3.756313291	1.252874228	0.152006445
0.111125366	1.896943863	5.641531946	6.128221014	5.025063805	1.219530986	0.24760278
0.017741309	0.434816176	4.047260044	5.279003837	3.61582886	1.459970602	0.250892145
0.633953049	12.31853329	5.042244066	6.928448846	4.419619572	1.567657291	0.524477911
0.37076437	7.12537491	4.482574989	5.725553992	4.151415267	1.379181225	0.335219475
0.060983246	0.982622702	6.42849814	7.047379281	5.714520573	1.233240688	0.20894041
0.122021175	2.1382172	5.154164789	5.454228383	4.914036955	1.109928239	0.107917536
0.019576251	0.258012851	7.955237733	8.993658761	7.012459647	1.282525564	0.457632386
0.206376185	2.753928675	7.026249951	8.534522684	6.007970032	1.420533498	0.541550071
0.315047891	4.303908867	7.846455766	9.051722727	7.039757139	1.285800426	0.412312905
0.271580858	3.89933121	7.259781664	7.944054006	6.28169207	1.264636012	0.356277342
0.097499419	1.612778783	6.069167193	7.158062152	5.324731198	1.344304883	0.355710797
0.064240651	0.779009438	9.225755436	9.971891907	7.365673327	1.353833039	0.494606173
0.304939799	4.515586978	6.675293417	8.086163036	5.90762011	1.368768283	0.420027408
0.141539207	1.684553422	8.358989928	9.047774598	7.313852901	1.237073636	0.388056103
0.191229958	2.961571995	6.716201444	7.770616014	5.892072829	1.31882552	0.395765189
0.223184113	3.41970942	6.67056992	7.601786317	6.043268795	1.257893133	0.326955696
0.133419264	2.443189867	4.997138251	6.710131235	4.52375763	1.483309183	0.369670553
0.117596572	1.59981584	7.633687651	8.99621944	6.727750875	1.337180821	0.589133607
0.103962375	2.50086162	4.069177197	4.379839853	3.727385098	1.175043559	0.116510264
0.046167002	1.113415965	4.029798352	4.264446596	3.813799568	1.118162221	0.079108971
0.066581175	1.551082676	4.270940947	4.433907026	4.07053129	1.089269855	0.084018469
0.00324562	0.051088497	6.329318454	7.107551096	6.022782906	1.180110791	0.257694821
0.552596878	8.553946684	6.723093531	7.441909734	5.901917295	1.260930874	0.376550631
0.112988593	1.636726557	6.91162523	7.780723161	6.600532218	1.178802391	0.212375201
0.051371308	0.722315496	6.938611072	7.712149851	6.104875848	1.263277099	0.408027129
0.240186496	2.862412528	8.342564298	9.079442923	7.370164941	1.231918552	0.37065506
0.154584149	2.480077443	6.124037297	6.502551216	5.264162349	1.235248988	0.272430963
0.015796765	0.213762118	7.586712418	8.303070734	7.019071193	1.182930121	0.28007854
0.221331494	3.477102469	6.338848686	6.838647151	5.599900642	1.221208659	0.219236495
0.287297485	4.036270796	7.246208782	8.580534341	6.417028844	1.337150658	0.342417934
0.065723808	1.076027551	6.044169197	6.874891337	5.021574921	1.369070749	0.339265902
0.338672328	5.067057345	7.079087519	8.621339906	5.4984952	1.567945336	0.563688036
0.10522456	1.567416736	6.780276456	7.178918826	6.277560726	1.143584131	0.221152369
0.049087353	1.072403894	4.538809114	5.285995587	3.874510396	1.364300272	0.285384269
0.126922132	2.61430343	4.152937881	4.404750659	3.83532911	1.148467454	0.125938195
0.094681598	2.199286471	4.260056566	4.568217299	3.978738543	1.148157198	0.126558119
0.644400552	12.48791321	4.147509945	4.413061627	3.765118873	1.172090916	0.131847946

0.017896873	0.459132599	4.029211498	4.338639718	3.802689554	1.140939763	0.13492934
0.091824887	1.794337879	4.788381814	5.68337796	4.304749909	1.320257409	0.291523961
0.086670078	1.619117651	5.280849976	5.836967636	4.399326078	1.32678677	0.277293447
0.192634743	3.338745437	6.024809114	6.858443301	5.340209355	1.284302327	0.332647851
0.33917791	7.775882329	4.135456371	7.006058607	3.560476272	1.967730739	0.587181812
0.015061374	0.209279725	7.502691427	8.26728727	6.82746935	1.210886032	0.351029072
0.008160012	0.100252164	8.081006993	9.064886424	7.552664768	1.20022359	0.31244069
0.064869976	1.149142866	6.149713489	7.208645367	5.207397663	1.3843086	0.400682796
0.206408005	3.0730758	7.10726053	8.045323017	6.442274859	1.248832624	0.336094295
0.144157859	1.794201875	8.295551763	9.37997331	7.153988639	1.31115295	0.412910987
0.179930392	1.966179128	9.599376681	10.5721481	8.737178967	1.210018489	0.361239292
0.031621815	0.525415132	5.928883685	6.591103625	5.185342941	1.271102741	0.302111238
0.084739677	1.910662605	4.514783131	4.899265314	4.300033691	1.139355099	0.106478581
0.097792868	2.118298977	4.541583624	4.762408064	4.31586129	1.103466433	0.1167685
0.319605194	3.62512887	8.927563798	9.994063231	8.161793512	1.224493516	0.462664471
0.066383185	0.76648382	8.998469601	9.771597906	8.26874327	1.181751276	0.270308373
0.03821205	0.811455954	4.603442814	4.963885525	4.234573592	1.172227951	0.155315361
0.141343574	1.96154009	7.438310107	8.383196061	6.487749347	1.292157821	0.37174419
0.062409245	1.486707531	4.239516359	6.621603529	4.066724951	1.628239827	0.411227872
0.368013724	7.545593357	4.836668007	5.327289344	4.45428946	1.195990829	0.193313197
0.075825417	0.992783083	7.753908076	8.767196308	7.218369656	1.214567378	0.287719628
0.105054854	2.43749294	4.277492032	6.414790425	3.049871967	2.103298268	0.612516387
0.393726484	4.662406868	8.506194268	9.711477758	7.765082225	1.250660003	0.385263253
0.146040178	2.604430355	5.580407146	6.691729684	5.096489948	1.313007531	0.281844339
0.115560104	1.957543769	6.295526249	7.074163258	5.591328756	1.265202525	0.393144901
0.007597862	0.153319352	4.960744015	5.762705341	4.517622938	1.275605649	0.2616014
0.183678057	3.098567247	6.036904987	6.724115394	5.332449282	1.260980656	0.350130156
0.06555587	1.136921938	5.419210169	6.667433629	3.264881774	2.042166942	0.813394167
0.021225417	0.305075804	7.104691237	7.862917978	6.309563112	1.246190558	0.375384532
0.049235845	1.286929031	3.771355627	4.690983766	3.38572815	1.385516958	0.212471077
0.145458936	2.729389011	5.170109796	5.509180637	4.822123893	1.14248011	0.168709214
0.021955666	0.47553606	4.346224039	4.887460295	4.189693764	1.166543564	0.157837706
0.030582368	0.405219075	7.589382153	8.240717293	7.042260184	1.170180748	0.246028905
0.048974216	0.767028711	4.430204124	8.803282974	2.433978808	3.616828111	1.624279857
0.095042222	1.743119644	5.480163189	5.970161651	5.074283851	1.176552559	0.183358624
0.094716953	1.586340371	5.877905395	7.150125549	5.421815007	1.318769737	0.325988447
0.142595153	2.091335364	6.571427059	7.708962457	5.561132956	1.38622157	0.485151603
0.406176277	5.415459936	7.473005068	8.51627711	6.516964973	1.306785773	0.450844518
0.014283557	0.361685168	3.996322496	4.527612941	3.692858867	1.226045485	0.156247484
0.240939565	3.053321495	8.357501022	9.568981893	7.483810164	1.278624348	0.593651639
0.053863859	1.266695444	4.249760881	4.514164871	3.893436781	1.159429349	0.110604771
0.787971513	8.947054085	11.08857552	12.96571436	8.904191872	1.456136002	0.819520534
0.006639733	0.147887201	4.245014762	4.495517512	3.910835124	1.149503206	0.123880482
0.133950773	2.043508578	6.668611024	7.453306676	6.175690854	1.206878202	0.236166473
0.150822341	2.484749704	5.974757657	6.404236507	5.337739082	1.199803214	0.279679864
0.041242003	0.688790537	6.132892807	7.031537113	5.135100126	1.369308668	0.37282035
0.076275608	0.854267975	9.031655373	11.40146835	7.660392808	1.488366019	0.768047863

0.406727821	4.561758337	8.754698533	10.72607553	6.744169618	1.59042197	0.880221118
0.032995017	0.622980952	5.212736904	5.57065413	4.677680161	1.190901032	0.206283474
0.030617724	0.375299422	8.221349631	8.831221597	7.602969503	1.161548996	0.287829888
0.191696648	3.435172032	5.608096337	6.417578141	4.967897486	1.291809696	0.279753875
0.039046436	0.956640855	4.082273222	4.304624076	3.903349753	1.102802554	0.108162256
0.188514668	2.85272231	6.872278724	7.490343265	6.280284138	1.192675857	0.237950971
0.216899702	3.184767811	7.066255725	7.955405048	6.315620901	1.25963942	0.410507881
0.14800452	1.809183905	8.390259127	9.263033323	7.805664287	1.1867066	0.316216021
0.267173226	3.135972391	8.642067752	9.346887762	7.940411374	1.177128907	0.284959751
0.08939951	1.391872142	6.244874524	7.19314475	5.331258171	1.34923962	0.331783382
0.044073966	0.582198299	7.967564493	8.961562813	7.087507188	1.264416751	0.400625062
0.258261324	2.913404052	8.968208611	10.18869422	8.314845011	1.225361892	0.356046767
0.118712622	1.536819089	7.690045331	8.853021007	6.228497825	1.42137338	0.358339456
0.009963135	0.118303747	9.142773103	10.19864825	8.578281459	1.188891773	0.3514097
0.131387511	2.046276025	6.395847758	7.082469057	5.972078444	1.185930346	0.209087566
0.103057278	1.441174813	7.175081825	7.625495892	6.798731239	1.121605727	0.21766082
0.27110474	3.237103993	8.627229825	9.560816049	7.915415318	1.20787295	0.344953725
0.047811025	0.676901489	7.082399171	7.670258999	6.61370182	1.159752769	0.230880867
0.03438896	0.565272547	6.13026938	6.881644256	5.584142258	1.232354754	0.349473806
0.293628448	4.269225715	6.739981022	8.056017062	6.015281813	1.339258461	0.378739596
0.304289261	4.765581076	6.516110367	7.218175713	5.660674361	1.275144135	0.344921438
0.079146462	1.619828552	4.541284311	4.825480641	4.232817914	1.140016117	0.096410353
0.09038946	1.471473676	6.09024301	6.891688099	5.436848291	1.267588818	0.265278437
0.018648763	0.394247607	4.600183238	6.314083187	4.029264208	1.567056133	0.423413569
0.081062721	2.028627631	4.007895304	4.607083706	3.655318937	1.260378037	0.16883388
0.214613979	2.575936656	8.060487201	9.652836405	2.616148297	3.68971301	1.091701265
0.226726718	3.903528276	5.165910991	5.788393222	4.745855404	1.219673321	0.241022771
0.170426876	3.835572452	4.207098822	4.641246587	3.796941652	1.222364474	0.185971961
0.061712744	1.0897273	5.436716303	5.654448655	4.921713488	1.148878062	0.17235597
0.097354462	1.704114084	6.002024709	6.64788255	5.568453353	1.193847219	0.19771228
0.148853049	2.831756528	4.371199589	4.605007385	4.126450641	1.115972972	0.111314283
0.097708015	2.120314499	4.53710217	5.060883538	4.127770232	1.226057473	0.197508141
0.011950105	0.276628835	4.111565097	4.277440015	3.82544524	1.118154815	0.074859491
0.154534651	2.125514886	7.283999112	7.899555085	6.614717655	1.194239195	0.292386623
0.072368844	1.252236103	5.980625054	6.591402337	5.439426447	1.211782603	0.26124661
0.185785236	2.021810251	8.947839709	9.695361884	8.010872629	1.210275376	0.369164663
0.047160487	0.736873081	6.890860016	8.061884347	5.589525112	1.442320087	0.51136418
0.323402357	5.207394894	5.326228004	6.319368366	4.506418982	1.402303778	0.406200804
0.336413122	5.623579294	5.105699018	5.513243221	4.80332365	1.147797572	0.153150986
0.178692955	3.577338556	5.019697593	5.244405259	4.541488524	1.154776728	0.133003103
0.133558329	2.46288454	4.492588078	5.089792102	4.227203534	1.20405655	0.20942192
0.085915242	1.817523056	4.784754825	5.13625842	4.457674531	1.152228227	0.183874354
0.132193613	1.728110747	7.662854999	8.708683965	7.010168799	1.242293048	0.309142648
0.032517484	0.62258598	5.217677485	5.659817443	4.996372233	1.132785385	0.140052228
0.323084159	3.903197774	8.163215025	9.568817925	7.171226875	1.334334848	0.551318316
0	0	3.763738666	4.376625693	3.513104528	1.24580002	0.141662389
0.111072333	1.654600878	6.806561279	7.859471123	5.392229841	1.457554918	0.54146928

0.405663625	6.104976305	6.628400981	7.52666974	6.217727515	1.210517785	0.275491828
0.04516291	0.562505435	7.888594352	8.715199426	6.477175084	1.345524756	0.411957557
0.177766645	3.431908422	5.206171004	5.624674364	4.921254061	1.142935174	0.192625149
0.093331024	2.280221255	4.14725003	4.357948389	3.934544217	1.107612	0.086044095
0.08449926	2.254206502	3.712845029	3.841673491	3.496029029	1.098867732	0.064773544
0.282284098	3.228354852	9.697810875	11.73413979	8.360622171	1.403500786	0.720230788
0.086282348	1.023320704	8.686121072	9.42166051	7.961828254	1.183353899	0.305523483
0.044319096	0.667872404	6.439357274	7.458877002	5.395914673	1.382319302	0.423924637
0.109325779	2.498239006	4.416410332	5.163228079	4.099613195	1.259442741	0.196781422
0.111680445	2.186950459	5.007026705	5.983399071	3.576192579	1.673119928	0.472763278
0.097099903	2.336029019	4.185194267	4.524419792	3.809382977	1.187704103	0.165378897
0.25183608	4.457369716	5.915976497	7.099361233	5.492617875	1.292527788	0.359470415
0.1542907	2.717705573	5.961723798	6.864186932	4.786933904	1.433942283	0.429008798
0.157840376	3.050491789	5.241833502	6.650344792	3.911967812	1.699999875	0.594398491
0.05135363	0.771605879	6.332681666	7.03658409	5.737344329	1.226453161	0.25233253
0.098372695	1.56276952	6.180013511	6.828896999	5.211850765	1.310263341	0.305137199
0.124514433	2.296351681	5.288104866	5.801213235	4.711554043	1.231273839	0.248282015
0.06838194	1.151854444	5.859343367	7.474227414	4.652545602	1.60648128	0.498836708
0.148379287	2.71223808	5.33512775	6.951203399	4.830252905	1.439097193	0.449386523
0.172781542	4.071192809	4.1217983	4.374007927	3.847667927	1.136794549	0.127968967
0.041012193	0.75001381	5.185374376	5.505266959	4.63878465	1.186790803	0.176249973
0.068313586	1.417138427	4.370639153	4.61017522	4.105877832	1.122823281	0.108674162
0.213202123	3.578492176	5.890637035	6.49640541	5.382727267	1.20689849	0.23282142
0.058781787	1.334666334	4.290234315	4.638489326	4.04206467	1.147554457	0.110912913
0.057975685	1.235147345	4.655594961	5.421538678	4.40979244	1.229431714	0.204650964
0.09419723	1.447740495	5.607164211	6.87064291	5.016103698	1.36971708	0.370478168
0.270927963	3.376797351	8.07513674	8.841838978	7.165867973	1.233882484	0.381618352
0.151964318	1.927429575	7.680968431	8.760626928	6.958981373	1.25889501	0.353940592
0.366069181	4.975846607	7.274725558	8.041883251	6.272037258	1.282180402	0.329930172
0.041995072	0.732570408	5.655401269	6.591956637	4.744188274	1.389480403	0.374298964
0.175942309	3.500388674	4.81946324	5.338736711	4.595604122	1.161705092	0.208979128
0.11698021	1.506134052	7.981922147	8.721725776	7.535667502	1.157392596	0.296203409
0.022790052	0.404732165	7.560287	9.04788433	6.367626283	1.420919496	0.497100437
0.3536571	5.471268571	6.437575551	7.370840491	5.862079982	1.257376309	0.329332525
0.160088975	2.491951824	6.482555071	8.623476382	5.186520624	1.662670797	0.626751528
0.20210526	3.174041565	6.869983159	10.44004441	4.260530395	2.450409559	1.113022279
0.014721963	0.176832653	8.223894641	9.254125491	7.404965704	1.249718886	0.408040274
0.067820968	1.280782142	5.392542123	5.838109715	5.012367663	1.164740918	0.173701375
0.027541809	0.350798624	7.80071299	8.535651927	6.748820599	1.264762013	0.28480905
0.087751952	1.804800521	4.779201648	5.004464203	4.511653041	1.109230732	0.118962942
0.215653426	3.20855208	5.959021554	10.86987869	3.541886403	3.068951812	1.549156303
0.112967379	1.822439663	6.83461589	7.421034278	6.0877991	1.219001179	0.334219957
0.078170655	1.53260033	4.943325917	6.604140066	4.607867746	1.433231254	0.401712239
0.716620903	15.07159344	4.157330899	8.126155441	3.458964438	2.349302974	0.875403446
0.216049406	3.750144639	5.503061712	5.979574911	5.206819057	1.148412274	0.174502576
0.142588082	2.350386672	6.18635714	6.737737125	5.734076851	1.175034325	0.264733868
0.132624948	2.305671019	5.937503975	6.889624078	5.482535085	1.256649337	0.269556521

0.355441366	5.364417112	6.583329732	7.216205968	5.707502234	1.26433695	0.386930644
0.077993878	1.488497232	5.299346191	5.487103852	4.787780047	1.146064313	0.118772894
0.061168272	0.771966235	7.819834461	8.751747953	6.971065583	1.25543905	0.330117639
0.047535253	0.673935905	7.195663391	8.006879209	6.658128183	1.202572103	0.321290064
0.04125261	0.639270456	7.015876829	8.694845431	4.118781237	2.111023852	0.747859793
0.250506719	3.780044074	6.768488329	7.960714281	5.840102773	1.363112019	0.416340188
0.023765859	0.323456462	7.640410425	8.830418695	6.881310618	1.283246635	0.409706992
0.15436141	2.140062362	7.629821361	8.897525682	6.32021207	1.407789103	0.651952275
0.098627254	1.103713687	9.149020894	10.19131456	7.991636713	1.275247478	0.448177654
0.084994235	1.36751964	4.641445989	5.101910132	4.410486201	1.156768188	0.226255813
0.034188613	0.751836399	4.433717774	4.888346547	4.100456477	1.192146917	0.154410411
0.012852844	0.239458418	5.720437759	7.021741335	4.681912064	1.499759338	0.529550815
0.109163145	1.71634059	7.547703961	10.47019063	5.299361631	1.975745638	1.261772407
0.058216101	0.99205746	5.741050239	6.247621905	5.350849898	1.167594312	0.177314072
0.21557093	3.370900455	6.412589452	7.298051579	5.058227545	1.442808081	0.442039074
0.046877644	1.018252386	4.599051549	4.869013504	4.25342512	1.144727688	0.114368492
0.139282358	1.963523694	7.120920952	8.020256003	6.481244324	1.237456205	0.335136317
0.034711872	0.490693591	7.314986602	8.668542142	6.333398784	1.368703036	0.496286503
0.262124484	3.199948662	7.975041271	8.662588679	7.013890509	1.235061863	0.374284232
0.035199776	0.534031638	6.700329912	7.566527135	5.736861293	1.318931511	0.371398499
0.139837437	3.040784557	4.614533189	5.245671226	4.092172708	1.281879237	0.262638552
0.205658472	3.23350434	6.348114202	6.878882458	5.813127978	1.183335802	0.239180783
0.302281078	5.236821248	5.646942349	6.066908417	5.339519477	1.136227416	0.167790065
0.090031192	1.487789625	5.884702727	6.454366339	5.378568735	1.200015591	0.236442014
0.03198244	0.469357092	6.728453709	7.559051536	6.10684635	1.237799529	0.301281919
0.116212999	3.283335708	3.530702736	3.773196502	3.320919742	1.136190211	0.084088692
0.135856426	2.491474382	4.074435624	4.587230542	3.614160197	1.269238299	0.392151519
0.050145656	0.883979844	5.64623469	6.602419253	4.570449793	1.444588509	0.43276518
0.239893047	3.606951611	6.633170614	7.009626579	6.226115756	1.125842637	0.187760221
0.145133667	2.93620528	4.489373779	4.903508919	4.254686844	1.152495847	0.124602209
0.277260104	4.834040759	5.495996653	7.625351382	4.93924434	1.543829553	0.439099753
0.093628009	1.470548419	6.075111273	6.992357925	5.508478469	1.269381003	0.295081364
0.156327167	3.646398702	4.267861821	4.45854757	3.816095204	1.168353338	0.132664773
0.019346442	0.43890356	4.296894753	4.538685763	4.094603369	1.108455534	0.120111981
0.110937983	2.44399365	4.625047382	4.955210053	4.441009375	1.115784641	0.175406862
0.137588837	1.690939774	8.21666491	8.920900319	7.667450271	1.163476776	0.281641213
0.050367216	0.82548829	6.114217625	7.367932515	5.067015746	1.454097024	0.412898985
0.012805704	0.136214055	9.253048017	10.08120867	8.082129314	1.247345629	0.451545017
0.037285741	0.339948932	11.01872269	12.10420308	9.900085785	1.222636182	0.386512315
0.062371532	0.838793475	7.555127792	8.354762847	6.465894771	1.292127871	0.455644958
0.004772971	0.083615245	5.332831471	6.862644849	4.692085981	1.462599977	0.52093519
0.128884353	2.674487931	4.980195821	7.523334997	4.667416486	1.611884223	0.483870895
0.073210301	1.280146681	5.478853368	6.317317662	5.108827191	1.236549491	0.226206723
0.247232815	4.420174174	5.725623026	6.188330653	5.366952192	1.153043745	0.220946761
0.053421917	0.897674203	5.919649497	7.109878381	4.764224106	1.492347594	0.454699544
0.151235998	3.385242674	4.642759958	6.306848922	3.90313855	1.615840391	0.361718031
0.087850946	1.37879385	6.319027266	6.787669648	5.990026637	1.133161847	0.210746088

0.146894363	2.005870685	7.018875419	7.375629476	6.599167726	1.117660557	0.207675439
0.034641161	0.671515459	5.151278427	6.919343648	3.95404226	1.749941754	0.541240664
0.021411193	0.408126398	5.442884698	6.022860404	5.118420899	1.176702839	0.197442199
0.057127157	0.692224152	8.081012452	8.511490166	7.553969004	1.126757359	0.260312287
0.0268842	0.614456298	4.147148181	4.756246895	3.457591859	1.375595238	0.325550239
0.166488292	2.491654897	7.137808621	8.116915966	6.410897179	1.26611233	0.400854541
0.24517867	4.481943123	4.765763233	5.480586274	4.262958842	1.285629648	0.272964644
0.091091853	1.193692387	7.809927066	8.479741695	6.498286859	1.30491957	0.343203587
0.151603694	2.465027563	6.036128741	6.577887058	5.633504296	1.167636823	0.19420989
0.118313107	3.488698225	3.359056899	3.564975666	3.145200662	1.133465254	0.086356034
0.204742768	4.403604586	4.495875725	4.877150831	4.267611864	1.142829054	0.147057301
0.100642508	1.976598154	5.253057691	6.611539401	4.995859576	1.323403771	0.322689038
0.044689149	0.658207056	7.037236896	7.932992602	6.25351532	1.26856531	0.371210652
0.113582562	1.601551663	7.192672235	7.625136439	6.704885589	1.137250791	0.22081851
0.045134626	0.637172229	7.30330022	8.403917105	6.049639897	1.389159892	0.414888962
0.239157656	4.388260904	5.485748576	6.24621629	4.549010518	1.373093394	0.280338324
0.088978782	2.062219888	4.223011516	4.673589382	3.941335757	1.185788187	0.131923912
0.043192439	1.065555527	3.983141627	4.859842725	3.749670451	1.296071958	0.206765638
0.258486419	4.288570303	6.23923961	9.669065315	5.311528773	1.820392156	0.727546566
0.107685292	1.74348418	6.436242187	10.61768271	2.875390985	3.692604853	1.135430448
0.040234376	0.845926839	4.597539435	4.892573207	4.267576659	1.146452331	0.100264365
0.01834235	0.30963155	5.994270334	11.73757642	4.025683497	2.915672937	1.564070924
0.031013703	0.371318705	8.207305717	9.220158905	7.015554154	1.314245276	0.552090502
0.063646681	0.853775891	8.355292171	10.98652878	6.946502496	1.581591425	0.783143209
0.033629999	0.659875743	5.020768014	5.90499121	4.143181248	1.425231207	0.336251667
0.131302658	1.712161413	6.384618536	8.981362853	4.741935747	1.894028796	0.852216094
0.37302004	5.028649411	7.517036372	8.255585559	6.244096261	1.322142583	0.391305991
0.064891189	1.108691713	6.020445116	7.552137739	5.115700926	1.476266468	0.588450809
0.022641559	0.339069233	6.889236435	7.890567749	5.332151259	1.479809436	0.408924903
0.26698655	4.984739346	5.187206696	5.545715854	4.738408625	1.170375181	0.177750332
0.001840835	0.027529085	6.792072395	7.584783366	6.242948673	1.214936044	0.287816968
0.418317301	7.437196859	5.264686408	5.821037327	4.573978004	1.272642177	0.244590718
0.138937054	2.340891945	5.724649254	7.016881889	4.376782282	1.603205606	0.403169393
0	0	6.06343566	7.164106278	5.406196882	1.325165627	0.407468244
0.187284302	2.846078607	6.696941698	7.538395615	6.201672536	1.215542351	0.294931919
0.002605688	0.039129641	6.772929795	8.026427188	6.089233098	1.31813433	0.377823571
0.012936519	0.198029079	6.665402038	7.41090761	6.163857596	1.202316487	0.266786924
0.001675843	0.036222523	4.889701523	10.2617709	3.686971891	2.783251732	1.534948355
0.096449365	1.317599489	7.33640807	7.959848167	6.626291699	1.201252303	0.316302408
0.125391246	1.727547001	7.257696329	8.457690098	6.639946805	1.273758713	0.320016755
0.543623693	7.584175665	7.07778961	8.04505851	6.485022878	1.240559773	0.347138103
0.228437917	3.516486291	6.459357248	7.801074916	5.372054268	1.452158621	0.437927493
0.093896709	1.651993431	5.673423361	6.267364035	5.209183926	1.203137406	0.226615671
0.192672456	2.423772879	8.487885869	10.12122652	6.215758556	1.628317193	0.782350165
0.26368719	4.803060068	5.233645392	5.663205795	4.930072429	1.148706409	0.185916199
0.028647253	0.390855994	7.420112193	8.332554271	5.46377069	1.525055634	0.495796042
0.025218963	0.443045094	5.801642287	6.878150678	5.228279304	1.315566801	0.308074764

0.136966584	1.944951618	6.916189232	8.302039589	5.62494865	1.475931623	0.58966983
0.36549996	5.348584496	7.051116744	9.872879495	5.145089356	1.918893689	0.890218161
0.137829254	2.161198887	6.463688828	7.651476797	4.599695118	1.663474774	0.667768489
0.32908396	4.441332547	7.447247585	8.710166064	6.480485035	1.344060825	0.453101676
0.134866476	2.63173419	4.779077661	5.399346247	4.49618854	1.200871849	0.260406202
0.181655732	2.383324229	7.57987995	8.469059221	6.969537009	1.215153777	0.274544261
0.159176808	2.712301867	5.95717967	6.531589963	5.382411304	1.213506288	0.247507666
0.156100893	2.453999712	6.748363948	7.563449501	6.169666976	1.225908875	0.29195977
0.027669088	0.281926366	9.78790319	10.46083615	9.11134868	1.148110617	0.287844453
0.058979777	0.779084932	8.016319946	8.879763143	6.574288407	1.350680499	0.470377473
0.082307229	1.065682623	7.92502178	8.805115135	7.410976492	1.188118077	0.328102813
0.544337871	10.96317217	4.588205634	5.60415337	4.007366988	1.398462728	0.34845726
0.055722371	0.922565448	6.130814325	8.219320087	5.391940879	1.52437133	0.53202519
0.022733483	0.307203329	7.296522138	7.807734586	6.529245478	1.195809625	0.257226581
0.289430591	3.990001727	7.384612062	7.990643182	6.9510008	1.149567294	0.254783761
0.298427346	3.727480352	7.94916772	8.642805533	6.910636573	1.250652591	0.333300402
0.256920178	3.064197644	8.47813506	9.153587494	7.964914419	1.14923865	0.276483958
0.243126882	4.106097285	5.860045165	6.473308249	5.031614714	1.286527013	0.279204382
0.353334187	6.534122411	5.12618883	8.092296509	4.325474942	1.870845773	0.7270298
0.048776226	0.617467258	8.779750453	10.44615777	7.516210962	1.389817	0.61727215
0.391772512	5.514444453	6.831627248	9.370002212	4.003754077	2.340304133	1.204831212
0.105719535	1.219933547	8.772431766	9.316734275	8.053156897	1.156904602	0.300291282
0.027736263	0.693341548	3.976750106	4.277964834	3.720870722	1.149721437	0.143621796
0.029281292	0.693578967	4.166469836	4.672819004	3.885494288	1.202631804	0.130936932
0.009273705	0.179299679	5.098404198	7.433316329	3.70422482	2.006713061	0.684555057
0.232402429	3.076239603	7.49651167	8.185837343	6.041799293	1.354867473	0.407468198
0.107455482	2.18579293	4.806463103	5.012587737	4.408280438	1.137084586	0.129639984
0.104036621	2.207638552	4.513195796	5.106818261	4.185357388	1.220163008	0.298288677
0.141202153	2.376519739	6.133533112	6.95253295	5.297238966	1.312482407	0.288668183
0.263072007	3.292966761	8.203868663	8.936846818	7.720752029	1.157509888	0.32585005
0.188550023	2.519459329	6.993373371	8.263151008	4.582091093	1.803358083	0.651800925
0.007327983	0.134189978	4.301030777	5.506532638	4.092615814	1.345479979	0.249696781
0.074861395	1.668592569	4.359005908	4.917357952	4.052614636	1.213379113	0.149496702
0.205874139	2.728086981	7.392604851	8.039587748	6.845826324	1.174377989	0.305397978
0.057802444	1.071685042	5.658269229	6.545361687	5.192159189	1.260624232	0.280950008
0.17203908	2.882564997	5.983232581	6.475562788	5.532762993	1.170403069	0.205833807
0.07628268	0.81004222	9.673616895	10.36396961	8.905416489	1.163782696	0.349189321
0.066666027	0.812271476	8.092133904	8.883024778	7.058048751	1.258566651	0.408110785
0.186341493	4.239606621	3.713004242	3.939488548	3.214208525	1.225648093	0.142692066
0.086694827	1.730040137	5.044446418	6.449098251	4.560781814	1.414033496	0.35212737
0.184267313	2.244322028	8.414611739	9.493532537	7.637222353	1.243060906	0.3384606
0.022280935	0.422669628	5.297504493	6.074555089	5.001098383	1.214644189	0.217585783
0.035864456	0.861968355	4.165862097	4.481638778	3.876076181	1.15623083	0.125837234
0.123863895	1.709248702	7.26601353	7.881858627	6.863648662	1.148348206	0.225938632
0.126200883	1.939823997	6.524918326	7.306928753	5.978990666	1.222100713	0.245686973
0.067093827	1.232744321	5.397188447	5.696181559	5.094056605	1.118201465	0.168481349
0.202529524	3.195475925	6.406567707	6.985307286	5.857647648	1.192510664	0.254777834

0.167400459	3.459216194	4.997020242	5.61441817	4.660001037	1.204810498	0.205355874
0.170391521	3.201716891	5.19240655	5.791492032	4.663947551	1.241757539	0.293220966
0.097863579	1.001304935	10.22005067	11.14727582	9.349957184	1.192227473	0.506094208
0.073397684	1.208686187	6.28921599	7.462394306	5.705037613	1.308035952	0.370996603
0.093161318	1.309568828	7.22491631	8.154617015	6.159096046	1.323995754	0.421216749
0.037108964	0.686477414	6.017349707	6.947850223	4.595884491	1.511754753	0.438816348
0.209268252	2.750104981	9.107300131	11.54910071	6.489181484	1.779746912	1.032495435
0.490944238	8.821150165	6.429674043	7.070483332	5.532407438	1.278012043	0.318883645
0.016984705	0.289994653	5.192943625	5.929049342	4.580066662	1.294533416	0.323346386
0.226567619	3.137301111	7.407199408	8.160184395	6.813779665	1.197600274	0.302462186
0.082604214	1.523749295	5.761750693	6.690233437	4.67080365	1.432351676	0.385615011
0.293399817	4.322256675	6.603757956	8.064826989	5.923656765	1.361460886	0.433138504
0.009100464	0.166882514	6.18336715	8.763761044	4.134855553	2.119484207	0.910090349
0.097686802	1.678811112	6.32705753	8.854171606	5.481004609	1.615428601	0.629451843
0.044191817	0.731522304	6.352770512	7.136136094	5.344305548	1.335278462	0.308908835
0.057399393	0.533509124	10.9246136	11.41640818	10.34288252	1.103793662	0.254686067
0.006462956	0.069672568	9.324506902	10.28485999	8.52234695	1.206810759	0.367732495
0.027591307	0.537110018	5.092551189	5.934205414	4.710224098	1.259856281	0.260782267
0.216222647	3.283039966	6.612988909	8.166897297	5.501059766	1.484604357	0.373317613
0.104779083	1.710104093	5.975512698	8.129359878	5.030362625	1.61605842	0.591329478
0.128463624	1.689077554	8.886917029	10.47928478	7.566331087	1.384988927	0.71302929
0.137772685	1.859710902	7.48364812	8.426000928	6.292147681	1.339129556	0.398745092
0.167211898	2.887366252	6.293077332	7.400767328	5.222724004	1.417032055	0.424708327
0.117931269	1.859776794	6.303666245	8.122669611	5.196288703	1.563167498	0.592196072
0.510205827	7.945378292	6.80653897	7.60967467	5.363740552	1.418725346	0.422162919
0.037394164	0.747406392	4.975377601	5.528585355	4.338524824	1.274300731	0.235141461
0.19601	3.336105886	5.779427469	6.099119304	5.567215249	1.095542211	0.136756728
0.02008419	0.368579606	5.835582841	7.089138287	4.6570117	1.522250478	0.571622162
0.018013545	0.233591676	8.23555284	9.307608384	7.464961472	1.24683944	0.450985758
0.008365073	0.207679436	4.017708013	4.447454323	3.632246593	1.224436229	0.131330954
0.087693026	1.26809051	7.047721617	7.665721857	6.346441549	1.20787717	0.261532363
0.096908984	2.21405281	4.345777352	4.719187726	3.744082277	1.260439108	0.173474935
0.118496954	1.897446501	6.408741636	8.294409055	4.660950909	1.779552975	0.7605971
0.224883527	3.285825143	7.112283867	8.303565416	6.418452687	1.293702053	0.341333729
0.180930948	2.735394477	6.671878533	7.431551638	5.864830474	1.267138355	0.305169657
0.092128943	1.499590635	6.197818647	7.286458262	5.682575003	1.282245858	0.32944072
0.14773582	3.73020063	3.943989591	4.364104332	3.688484858	1.183169919	0.140912103
0.242509342	4.5799515	4.79149787	5.566653914	4.478319864	1.243022848	0.229916879
0.136775665	2.032883769	6.792533267	7.836592002	6.345209828	1.235040639	0.312151818
0.108282797	2.024406136	5.309472996	6.084345192	4.830107192	1.259670842	0.288194158
0.198965706	2.975419353	6.883947575	7.886973324	5.566765049	1.416796515	0.464794189
0.036242758	0.540672832	6.758389387	7.31843243	6.334581531	1.155314269	0.219929395
0.063137564	1.708886791	3.622384469	3.8839581	3.469828539	1.119351592	0.140853267
0.115774593	2.817782816	4.005183261	4.485705783	3.802111185	1.179793427	0.151741108
0.067327172	1.316367134	5.051244606	5.470519919	4.216580357	1.297383058	0.243789383
0.093776501	2.127225403	4.425548063	4.758988173	4.155569381	1.145207248	0.135226507
0.01105915	0.21193903	5.380029317	7.08143306	3.431915049	2.063405696	0.791880125

0.21531755	3.961081174	5.174901149	7.570571408	4.681792073	1.61702427	0.558312274
0.077909025	1.125805801	6.941119419	7.928328013	6.478641129	1.223764036	0.29090023
0.226595904	3.100115072	7.058433375	8.197217784	6.29574947	1.302024139	0.400006601
0	0	4.022554728	4.482280424	3.696965806	1.212421391	0.1551916
0.188949539	2.556582529	7.978955386	8.754885944	7.222868121	1.212106576	0.300523911
0.101604173	1.549546372	6.049043391	6.891708365	5.634841796	1.223052681	0.253768528
0.000576292	0.009995771	4.991742827	6.078618456	4.158060389	1.461887969	0.555960327
0.125801367	1.662011245	7.433808087	8.845083811	6.569223507	1.346442818	0.445692274
0.36459557	5.018908209	7.085564879	8.975613308	6.496895097	1.381523508	0.469545959
0.192799735	2.472830076	7.929443381	8.677733659	7.263226142	1.194749205	0.317447225
0.014955308	0.239776591	6.428449308	7.588338691	5.826360064	1.302414991	0.318913752
0.028430407	0.426631035	6.661067273	7.372412395	5.640187372	1.307121893	0.36600383
0.010762165	0.128948526	8.209270051	8.828696242	7.472267367	1.181528418	0.251461589
0.20163857	2.746191046	7.497488178	8.677573855	6.819275161	1.272506777	0.400743635
0.066531677	0.964140271	7.05191989	8.000776237	6.256579767	1.278777948	0.344958678
0.107593368	1.923362934	5.802677923	7.180035254	4.966345048	1.445738301	0.434584492
0.305646906	4.266620284	7.76183834	8.862752265	6.704175599	1.321974959	0.527525423
0.167580772	2.983105076	5.293796852	5.560318885	4.942184709	1.125073062	0.12619841
0.252484261	4.432835203	5.498586531	6.271843173	4.811425849	1.303531088	0.327644991
0.088352992	1.140225968	7.690224929	8.850334609	6.775760389	1.306175853	0.451385072
0.117535289	1.551337845	7.049244877	8.271006234	4.670376723	1.770950552	0.710696576
0.219683935	3.171819863	6.981206677	7.648768976	6.370780363	1.200601581	0.334696275
0.121781465	2.471159019	4.433453212	4.70661718	4.249360481	1.107606004	0.115204193
0.231117851	3.721548141	6.270208979	7.267248664	5.926062284	1.226319994	0.280909021
0.236095883	2.840949998	8.270081352	9.223442259	7.270132789	1.2686759	0.344011842
0.034110831	0.39928151	8.85579794	9.549995843	8.374062243	1.140425706	0.294317568
0.077406979	0.858933229	8.867336862	9.41424914	8.465872294	1.112023524	0.254626411
0.383859987	5.249067572	7.397541271	8.249388682	6.569484753	1.255713194	0.436600629
0.015750804	0.17751074	8.970844932	9.771046598	8.30128853	1.177051799	0.291478275
0.130507163	2.184392885	5.543647553	6.366463009	4.849817024	1.31272231	0.27296599
0.112380481	1.609511047	7.135005345	7.756011518	6.138404456	1.263522398	0.305891402
0.311049202	4.135972888	7.534237797	8.968590463	6.752343082	1.328219013	0.390449874
0.038137804	0.635572576	6.105215754	6.719398962	5.664068431	1.18632023	0.233376788
0.172032009	3.25387292	5.307516146	5.850590693	4.89342836	1.195601583	0.190322689
0.638103766	10.11958645	6.659847336	10.71730098	5.071256857	2.113342172	1.393708874
0.105713878	1.735098161	6.160304075	6.680283779	5.728036436	1.166243241	0.214658749
0.007106423	0.107743721	6.516029781	7.265541273	5.606195281	1.295984337	0.321183401
0.013240574	0.359181092	3.805023908	7.454627195	3.285302281	2.269084108	0.703144438
0.203658538	2.753855487	7.4472059	7.912524446	6.897044948	1.147233997	0.255008315
0.329096924	4.416148575	7.334129712	7.845971995	6.228813166	1.259625516	0.356854134
0.091761247	1.665812255	5.237172867	6.58085358	3.536441037	1.860869024	0.754824155
0.102431488	1.588466031	6.229318449	7.263047785	5.521091904	1.315509307	0.396930519
0.174977109	2.180550496	8.077231984	8.982106396	6.934866492	1.295209707	0.40813389
0.075497791	1.673171526	4.500292349	4.853054344	4.174363823	1.162585378	0.15317953
0.051498587	0.760491874	6.697839052	7.849910338	5.873231593	1.336557262	0.346905925
0.0845629	0.892732875	9.651016853	10.32019026	8.899608773	1.159622915	0.396131743
0.388074344	6.211556482	6.764387814	8.269022937	4.945390492	1.672066736	0.689798622

0.14568521	1.56509971	10.19180021	11.95284592	8.801920229	1.357981623	0.794865594
0.594181828	10.30751786	5.403350347	7.986063077	4.065923101	1.964145135	0.927564358
0.080949584	1.276894109	6.460762749	7.420487452	5.875965134	1.262854235	0.354337873
0.020930361	0.25103286	9.330208701	10.90690461	8.439117655	1.29242239	0.500226516
0.059686883	1.168749236	4.935726424	6.533038113	4.218040952	1.54883231	0.498241802
0.239974364	3.406855026	6.928144003	7.435409699	6.296011059	1.180971512	0.247918202
0.097708015	1.549370649	6.262983769	6.893085642	5.875830338	1.17312537	0.249195101
0.106122586	1.874394284	5.303516206	12.66646043	3.660583102	3.460230263	1.601711604
0.008633774	0.129130214	7.177210697	9.287970876	6.211723971	1.495232389	0.71064279
0.302705342	4.945216811	5.704040727	6.376173731	5.052660987	1.261943706	0.316114388
0.083254752	1.429428384	6.020575378	7.135473763	5.401204571	1.321089337	0.416097586
0.049097959	0.846102125	5.665746103	6.723490183	4.920204066	1.366506367	0.368961305
0.307506597	4.69518113	5.96725073	6.822922383	5.288240219	1.290206591	0.293812455
0.041589664	0.89169047	4.867763348	5.750430753	4.309949191	1.3342224	0.262917791
0.21117744	3.322021056	6.310915298	7.293224387	4.738843057	1.539030582	0.382799942
0.064726787	1.701874532	3.829890391	4.149177994	3.692290756	1.123740861	0.137055466
0.051922851	0.677026502	7.745159385	9.257827928	6.382858207	1.450420427	0.665711456
0.073296332	1.064911446	7.117505035	7.646478673	6.664637581	1.147321003	0.235995179
0.122018346	2.338229612	5.12784604	5.695727453	4.583262296	1.242723433	0.266177698
0.08151527	1.350854144	6.062374412	7.985077709	4.967455943	1.607478315	0.57923204
0.072591582	1.08902396	6.54739494	7.080377035	6.232233763	1.136089772	0.163582948
0.011709688	0.146669566	8.084408492	9.128386285	7.317515433	1.247470725	0.336188568
0.158575767	2.795923586	5.587314869	6.015483172	5.295721019	1.135913911	0.168586584
0.055797796	0.8964301	5.830447613	7.291904408	5.189487084	1.405130081	0.358122178
0.17256941	2.116591007	8.223550484	9.186041457	6.845019439	1.342003706	0.454257493
0.424013046	7.153245635	6.311951369	6.885843159	5.873889894	1.172279917	0.205857225
0.187188843	3.335539728	5.57045673	6.320172891	5.135901365	1.230586891	0.203103541
0.294623111	5.144897466	5.907061287	6.641024973	4.931447791	1.346668414	0.296125448
0.142672935	2.743673301	5.155544143	6.840187159	4.602858208	1.486073837	0.516179075
0.332736167	4.651455162	7.147297371	8.275393352	6.185347335	1.337902773	0.419877687
0.037167889	0.619929355	5.989383381	6.666054146	5.285893822	1.261102544	0.341027932
0.009775751	0.189811804	5.02951528	5.343412858	4.812656777	1.110283385	0.109063892
0.124061885	1.811376451	6.829903369	7.856525304	6.17848168	1.271594821	0.417611149
0.153343177	2.351826517	6.314883999	6.766545655	4.930391359	1.372415527	0.339449555
0.044388628	0.865332113	4.896303233	5.18795526	4.546597509	1.141063235	0.148147068
0.102636549	1.89072485	5.419462236	6.304161182	4.453917912	1.415419257	0.295032609
0.073380006	1.044586545	6.968675417	7.698843796	6.343238678	1.213708673	0.302331689
0.034648232	0.521471903	6.972765086	8.87698851	6.366779226	1.394266739	0.559022198
0.194079598	3.071710319	6.272164444	7.546119626	5.361044243	1.407583912	0.525537331
0.10797167	1.492986525	7.297599765	8.038543865	6.585150485	1.220707694	0.314362144
0.078619667	1.144907757	6.797130574	7.343468671	6.101247341	1.203601208	0.226348428
0.162075945	2.218131591	7.268286253	7.971492515	6.74205924	1.182352784	0.278450345
0.324420591	5.171785782	5.793296647	6.462667273	5.254486393	1.229933202	0.240310875
0.032777935	0.448900385	7.221887874	7.663015907	6.880951457	1.113656441	0.207165377
0.148428784	2.451788777	5.998775536	6.443407083	5.343961682	1.205736019	0.245111015
0.069063119	0.963561423	7.029020203	7.753919595	5.941596794	1.305022852	0.328614559
0.066319545	1.057298513	5.731023565	6.211842285	4.926896226	1.260802339	0.241202755

0.045799306	0.788397443	5.797549029	6.69241962	5.346376684	1.251767321	0.226158143
0.26580851	4.680186375	5.673989766	6.122887167	5.041300465	1.214545177	0.256908244
0.124765456	1.864156758	6.827345372	7.301387051	6.488103534	1.12534996	0.15192527
0.066625369	0.958692337	7.004157256	7.8275218	6.007298819	1.303001904	0.375047852
0.255551926	3.586468889	7.34326956	8.2721899	6.511380914	1.270420209	0.344117191
0.314973645	4.011662722	8.490402636	9.23330149	7.860893095	1.174586828	0.368914328
0.015759053	0.400869518	3.762026175	4.108907353	3.46054847	1.187357261	0.137353342
0.116849396	1.848513786	6.612875634	7.320539205	5.980646881	1.224038026	0.332446906
0.009213601	0.173966245	5.177369004	5.529533695	4.835396507	1.143553313	0.151859131
0.000351196	0.004640501	7.601856492	7.929081675	7.064115007	1.122445157	0.219362257
0.149252564	2.254121919	7.016893803	7.902671438	6.253114757	1.263797602	0.37514629
0.4020892	5.254698035	7.756564869	8.76090455	6.556565174	1.33620338	0.539426884
0.152544146	2.065329094	7.522969294	8.655170494	6.598540019	1.311679624	0.393535184
0.132999714	1.958862177	7.070748916	8.617263425	5.96513068	1.444605976	0.619363936
0.065361415	1.260615601	4.668217164	6.59926555	4.284748342	1.540175764	0.398840029
0.204937223	3.694670083	4.92294539	5.197378807	4.744663746	1.095415626	0.124358861
0.334634749	5.404719552	6.175618093	6.610387369	5.584185525	1.183769296	0.179312631
0.162577991	2.44165774	6.814218596	7.666999743	5.921152372	1.294849256	0.377067838
0.021184919	0.295134501	7.036609667	7.85653691	6.551900886	1.199123284	0.295151375
0.017845018	0.362994999	4.930673579	5.439404465	4.058491396	1.340252802	0.240709222
0.287028785	5.808248659	3.562205411	3.825044086	3.268312804	1.170342105	0.114597959
0.156065538	2.758719095	5.671541517	6.271217536	5.199703927	1.206072043	0.242938194
0.11018845	1.424065833	8.02564199	8.820477958	7.334621527	1.2025812	0.310842444
0.21078146	5.105426774	4.147833946	4.51811398	3.840075261	1.176569122	0.133769378
0.003786557	0.06142865	6.245112169	6.850164878	5.605404485	1.22206433	0.269536444
0.069551023	1.344944121	5.05395147	5.713764856	4.634301646	1.232928992	0.235414353
0.402103342	7.093101032	5.027462787	7.190704186	4.688154166	1.533802843	0.398771719
0.077449406	1.49113424	5.260628118	5.719074421	4.750375917	1.203920389	0.169145937
0.014283557	0.293904362	4.710899706	5.106575426	4.44843364	1.147949107	0.158183032
0.178323491	3.227048604	5.481696136	5.712099616	5.186768834	1.10128286	0.107312697
0.051491516	0.990367829	4.967967632	5.486797691	4.771667866	1.149869992	0.180871755
0.105892776	1.714578671	5.849613457	6.954233741	4.998944601	1.39114039	0.369074469
0.360341616	4.738778374	7.579301955	8.439732944	6.136295552	1.375379147	0.489638937
0.110025815	1.995943179	5.466729139	5.930952636	4.879900765	1.215383862	0.214946447
0.026636712	0.55059099	5.08935547	6.115203866	4.291143295	1.425075661	0.379880156
0.024543676	0.38098228	6.455754012	7.156444831	6.049415107	1.182997811	0.28741247
0.162478996	3.54063079	4.781791204	7.076511137	4.025199459	1.758052293	0.67746498
0.010260119	0.19411878	5.151958999	6.079219239	4.179682653	1.454469093	0.434489322
0.262845733	4.289184899	5.913113859	6.685841476	5.299303321	1.261645366	0.264124409
0.344778195	5.811041327	5.834659794	6.215592216	5.428052215	1.145087035	0.205632862
0.033622927	0.316438955	10.74196076	11.31362618	9.981776655	1.133428103	0.354446832
0.184710433	3.68355931	5.260534138	5.837491132	4.617990787	1.264075959	0.289377734
0.055571522	1.013486438	4.969093511	5.279844439	4.702918057	1.12267413	0.149490999
0.120894046	2.657974251	4.586435763	6.55704401	2.963249785	2.21278815	0.781414105
0.144270997	2.194776697	6.071943348	6.830173038	5.130202929	1.331365081	0.33906147
0.228462665	2.950440567	7.854351364	8.418971046	6.955412096	1.210420164	0.331932336
0.012756206	0.197884862	7.470469727	9.035210161	6.876102128	1.31400174	0.487703498

0.020940967	0.402778864	5.233424765	7.283398058	4.234680232	1.719940505	0.568162607
0.016708933	0.362923658	4.663152705	5.039137703	4.317881347	1.167039411	0.156488028
0.33931226	6.014733447	5.356796313	5.790444897	4.727976356	1.224719512	0.273101515
0.000551543	0.010392009	5.248247789	5.529416073	4.834385471	1.143768139	0.164150658
0.11052079	1.857269182	5.782607115	6.478682548	4.7286691	1.370085834	0.384509344
0.087317081	1.588546538	4.82899642	7.094268385	3.495754899	2.02939525	0.601274589
0.097605485	1.157752598	9.17180676	9.83412772	8.475104535	1.16035474	0.307329329
0.302924545	5.069700178	5.323369648	5.821443789	4.382056063	1.328473143	0.239713772
0.089844988	1.717631484	5.647192318	6.479269434	4.892818308	1.32424076	0.382678512
0.046916535	0.533152952	8.927187737	10.21866937	8.248364211	1.238872231	0.474715642
0.025441702	0.429347489	6.037847096	7.391374554	4.600009639	1.606817188	0.539367564
0.057367573	0.937579377	6.021188641	7.181529222	4.378158293	1.640308262	0.574908224
0.111029907	1.831420913	6.306886214	8.115491984	4.236682747	1.915529783	0.735203518
0.341483078	4.706974161	7.410337739	8.131234514	5.839521823	1.39244869	0.405754614
0.062147615	0.7127686	8.847965094	9.773799707	8.019136374	1.218809514	0.316306106
0.014908168	0.206504864	7.350322037	8.136523169	6.915538751	1.176556659	0.263946599
0.065778608	0.953083666	6.900501644	7.893864163	6.133010014	1.28711092	0.398661153
0.08878197	1.176059983	7.704349017	8.450255226	7.122047845	1.186492342	0.301337451
0.091124851	1.806160795	6.219370374	7.70456703	5.134113956	1.500661477	0.500792391
0.038894408	0.778209744	5.080249812	6.104522115	4.426483433	1.379090695	0.337887813
0.124076027	1.997362654	6.410614861	8.55484366	5.713986393	1.497176064	0.583127276
0.006342748	0.107271941	5.879614741	6.310854026	5.556591926	1.135741856	0.176869864
0.163773002	3.740065202	4.234564463	5.138488325	3.655078512	1.40584896	0.447747788
0.072780733	1.232215264	5.551716058	6.068101811	5.079386189	1.194652579	0.247947746
0.203738677	2.383343812	8.871312275	9.801564279	7.421429439	1.320711106	0.406828852
0.174782654	2.246998399	7.669989013	8.605246495	6.787659838	1.2677781	0.364855166
0.024289118	0.337069572	6.822498211	7.370845743	6.274455992	1.174738615	0.227322052
0.019791919	0.263290649	7.586934361	8.392663156	7.049062756	1.190606957	0.296766846
0.712897986	13.57474186	5.086492847	7.89411903	4.583695404	1.722217192	0.497986506
0.107763073	1.700098345	6.440396766	7.243955422	5.892239947	1.229406047	0.270192163
0.067967104	0.896404388	7.82566145	8.833888571	7.095552549	1.244989521	0.381626359
0.121862783	2.078333768	6.162278393	7.453883319	5.294935681	1.407738218	0.429632257
0.078015091	0.948500146	8.694568803	9.261642249	8.078440714	1.146464098	0.249154953
0.085630631	1.049401147	7.131752693	8.853876042	3.841004244	2.305094053	0.867584785
0.011405632	0.184598647	6.301220249	7.260142021	5.708950543	1.271712194	0.286145014
0.164253834	2.309697379	7.186581772	8.041694339	6.699292232	1.200379691	0.301008437
0.034655303	0.537613692	6.513264038	6.998392866	6.204904821	1.127880776	0.190318568
0.186244855	3.239288816	5.740825557	6.590272009	5.365677759	1.228227319	0.237151191
0.069204541	1.244435117	5.754885932	6.11786362	5.246041324	1.1661867	0.191284922
0.203335626	2.710709214	7.600346344	8.056565499	6.959991617	1.157553908	0.258269761
0.215915056	3.813774086	6.058895636	6.854853234	5.147576321	1.331666168	0.329613544
0.092505477	1.66886571	5.547834096	6.029868076	5.032155799	1.198267366	0.209029314
0.338368272	5.692431131	5.889985125	6.428637176	5.415730658	1.187030445	0.202972932
0.422740254	5.564681034	7.708541526	8.374405224	7.016789491	1.193481041	0.323919795
0.016991776	0.194586298	9.015968141	9.813286963	8.555879039	1.146964201	0.278409232
0.173191664	2.814868565	6.368948287	8.91187882	5.570066629	1.599959105	0.518487819
0.06135212	1.102165886	5.594277251	6.41186433	4.873358469	1.315697249	0.248665714

0.04449823	0.631091026	6.985267239	8.092340118	6.48503403	1.24784852	0.415818778
0.342366961	5.084616301	7.170415703	8.022386612	6.095764857	1.316059067	0.397471402
0.026566002	0.530100046	4.185552121	5.051965451	3.226257423	1.565890377	0.391802018
0.122359525	2.304851846	5.214072359	6.122167453	4.331746864	1.413325304	0.378939116
0.019438365	0.336775269	5.84653003	6.674338302	5.023764746	1.328553115	0.344250587
0.025880108	0.608663413	3.814671196	4.107230983	3.578079312	1.147887071	0.099998667
0.092991613	1.857753788	4.761659843	6.637784917	4.023460504	1.64977012	0.59375114
0.127441855	2.078315852	6.106341534	6.822454436	5.485460021	1.243734237	0.293200407
0.044583083	0.830038798	5.401925015	6.015431536	4.598291211	1.308188468	0.344665147
0.06059198	1.09186881	5.559485646	6.040115743	5.084683131	1.187904062	0.204218046
0.102127432	2.073146388	5.002155348	6.073746997	4.328980012	1.403043437	0.379863224
0.540526566	7.163911116	8.185399437	9.858996954	6.12848966	1.608715605	0.84981027
0.135509944	1.845330303	6.319766515	6.762033889	5.342548777	1.265694366	0.330442619
0.309882476	3.739968857	8.400317231	9.377107492	7.202282897	1.301963228	0.445836992
0.013914094	0.320064658	4.495607116	6.276084432	3.598573463	1.744047883	0.506320236
0.166247875	2.822709757	6.079295751	6.865634889	4.898228989	1.401656579	0.34924426
0.011822825	0.188503328	6.588919886	7.608633949	5.720256607	1.330121089	0.373504211
0.208341942	2.618927624	8.04787793	9.120480014	7.29926614	1.249506435	0.403251629
0.169055089	2.601773296	6.355198457	7.700928934	5.018431518	1.534529047	0.386134409
0.202119402	3.711361141	5.071594554	5.427556433	4.637430224	1.170380183	0.144527318
0.117386797	2.165323315	5.119623179	5.31345383	4.58347026	1.159264384	0.140313012
0.264401368	6.403445453	3.881003198	4.380381694	3.645791561	1.201489888	0.15284432
0.120379626	1.701363851	7.004632872	8.076361343	6.358583201	1.270151084	0.357427727
0.052325902	0.762857114	7.000223147	7.706459099	6.438004976	1.197025962	0.300692651
0.044158818	0.82860863	5.58180514	6.029493454	5.237109461	1.151301782	0.198151198
0.282772002	4.881923496	5.707686009	6.798008808	4.635895874	1.466385137	0.550291502
0.201147131	3.33813538	6.486499049	8.307971854	5.80802239	1.430430411	0.534401801
0.403602409	4.507798312	9.088978412	9.882444668	8.062897017	1.225669216	0.329735606
0.081069792	1.040603135	7.913863652	8.50525171	7.43222074	1.144375552	0.286627914
0.101699633	1.576996624	6.563285571	7.185983391	6.160097079	1.166537361	0.210239293
0.036404214	0.621958882	5.970309615	6.994531121	5.099055496	1.371730731	0.453692044
0.13423008	2.131662763	6.480928127	7.239483978	5.768842579	1.254928329	0.269962084
0.302542707	5.379499559	5.794222025	6.615186686	4.579250011	1.444600463	0.422140121
0.108698811	2.148792509	5.036785469	5.426877513	4.399546065	1.23350851	0.206168533
0.036820818	0.543767032	6.855363093	7.899398602	6.440099992	1.226595645	0.268720973
0.221423417	3.046279611	7.359539478	7.812221597	6.536206357	1.195222606	0.270188166
0.002149605	0.037262604	5.683947134	7.014651874	5.017478963	1.398043106	0.309904965
0.196402444	2.833447226	7.943567271	9.577222369	6.166111942	1.553202806	0.684296263
0.026870058	0.387149881	6.968988737	7.961172945	6.586983925	1.208621888	0.250857328
0.275524157	4.73543048	6.376341927	9.111239189	5.496949993	1.657508109	0.782898504
0.103725494	1.724061554	5.820099873	6.45628553	4.858527811	1.328856349	0.323183698
0.112818887	2.473127125	4.47670633	4.758985851	4.2322034	1.124470022	0.094206712
0.465820734	6.249342969	7.195935673	10.02257415	6.366602346	1.57424221	0.577838318
0.378531938	6.431290858	5.894897763	6.318047617	5.434489342	1.162583496	0.229611947
0.103446187	1.649523286	6.290130621	7.270867511	5.741012344	1.266478293	0.407689454
0.057855477	0.736217045	7.634172662	8.567015898	6.841378836	1.252235274	0.354154971
0.189101566	2.540804529	7.386421603	7.939876452	6.513678231	1.218954356	0.284478617

0.175146814	2.414508061	7.088581941	7.8849544	6.509188723	1.211357473	0.288775058
0.40474085	7.588823104	4.329723416	4.520289079	4.119862712	1.097194104	0.077446539
0.045445753	0.8504285	5.132947748	5.595629126	4.577508244	1.222418143	0.216557515
0.292781098	4.146649688	6.82108517	8.771534511	5.801202968	1.512019931	0.523682553
0.608677517	9.457860771	6.658208003	7.699633529	5.473133722	1.4068053	0.463313279
0.043490603	0.744179647	5.778558193	6.922080055	5.266512757	1.314357408	0.302490917
0.137270639	1.971228525	6.977463532	8.312908062	6.24522444	1.331082356	0.382051934
0.424957033	5.399097019	7.894243897	8.773514327	7.102204592	1.235322668	0.395290278
0.035652324	0.659745982	4.900976409	5.273130809	4.523137737	1.165812565	0.1760474
0.072520871	1.28823014	5.920584188	6.807000668	5.104064079	1.333643262	0.346406505
0.099211795	1.51398383	6.544883443	7.574954212	6.071539197	1.247616785	0.343599727
0.00436992	0.067058896	5.891689257	7.979466056	3.928227976	2.0313144	0.999989188
0.121470338	1.616283408	7.419950338	8.419613327	6.88051361	1.223689655	0.318601256
0.131599643	1.637613035	8.009259207	8.86715261	7.060885586	1.255813099	0.370917956
0.078969685	1.255478577	5.299491366	7.131041825	3.139768485	2.271199886	0.622858606
0.118549987	1.588240532	7.623389975	8.394974321	6.596775039	1.272587631	0.36924237
0.124963446	1.739362595	6.870550048	7.513519303	6.408383485	1.172451574	0.283579101
0.095335672	1.569741946	6.095632515	6.617427127	5.584106062	1.185046819	0.224292477
0.0355604	0.49904124	7.712594697	10.3155382	6.108252082	1.688787244	0.834357487
0.057374644	0.802036469	7.493473896	8.642768203	6.930219021	1.247113284	0.392605107
0.296348452	4.107096933	7.524720316	8.203145035	6.645484354	1.234393853	0.367136105
0.003404719	0.053734022	6.567285703	7.263423527	5.932091277	1.224428821	0.305623746
0.054015887	1.290415841	4.089226386	4.761588248	3.76056156	1.266190746	0.237396022
0.273317984	3.702221445	7.742794642	9.134324603	6.575738626	1.389094841	0.464238205
0.110223805	1.620988889	6.882962026	7.706557875	5.897580806	1.306732053	0.351419169
0.119536401	1.972393428	6.050809158	6.501528177	5.629964806	1.154807961	0.172841794
0.009355023	0.165165217	6.139562471	8.098427846	4.706998366	1.720507894	0.769654812
0.152296659	2.693396028	5.646289715	6.352159797	5.141561998	1.235453312	0.208456452
0.005957375	0.11717906	5.240516394	5.813349573	4.622326151	1.257667543	0.220325342
0.116076292	2.419272829	4.72400612	5.069229049	4.447525169	1.139786478	0.111557301
0.032246426	0.66614899	4.935719432	5.452676522	4.556000207	1.196812176	0.179330114
0.132264323	1.783905097	7.633977667	8.339001396	7.114440765	1.172123245	0.287916429
0.070031856	1.120304969	5.900132207	7.441291792	4.661525059	1.596321311	0.618614207
0.033934054	0.874994035	3.779324265	3.997214025	3.297259548	1.212283706	0.133919834
0.104004801	1.401776472	7.78796007	8.73166788	7.109767143	1.228122905	0.32281948
0.278706138	4.669543078	5.638099821	6.414439892	5.062111664	1.267147056	0.277918772
0.04962004	1.042568941	4.554395344	5.681243354	4.029307177	1.409980204	0.273747065
0.077633254	1.397810275	5.770067131	6.633042999	5.005153361	1.325242709	0.339183486
0.165335708	4.569381964	3.611356826	3.998471285	3.348788069	1.194005474	0.113373931
0.173919984	2.824606511	6.152233107	6.850797846	5.496583377	1.246373861	0.324196264
0.174068476	2.484343099	7.356321947	8.315175275	6.869104168	1.210518151	0.363646811
0.127653987	1.742580715	7.458620497	9.145541459	5.97794553	1.52988036	0.602657711
0.016199816	0.28726335	6.016821944	6.866430491	5.404851086	1.270419921	0.331889831
0.053683547	0.977314168	5.067545583	6.541693018	4.116266458	1.589229727	0.477787786
0.031544034	0.595092971	5.144386222	5.504294377	4.896136304	1.124211835	0.156620898
0.124599286	1.548892843	8.201988617	8.889413693	7.378167034	1.204826843	0.331697927
0.225222938	3.517376838	6.519443854	7.246317198	5.815420579	1.24605213	0.324713181

0.131540717	2.10550574	6.08749524	7.380359876	4.86439423	1.517220753	0.358343846
0.122888088	3.491008872	3.552055754	3.805489216	3.332866057	1.141806827	0.098847138
0.144504342	2.66285328	4.942490692	5.489304384	4.45920996	1.231003795	0.197307521
0.11595137	1.954080257	6.042948027	6.725818949	5.361350734	1.254500831	0.351512306
0.233818999	3.685957256	6.451424781	7.165527034	5.772345876	1.241354414	0.356072585
0.087730738	1.131683919	7.922820987	9.315179434	7.237511205	1.287069432	0.357960449
0.055034121	0.875326819	6.317172004	7.000376532	5.983546014	1.169937779	0.208781488
0.399611969	6.295222128	6.516005029	7.249653911	5.649810143	1.283167704	0.441641015
0.060231356	0.991182898	6.009227236	6.700938872	5.554235352	1.206455695	0.226861121
0.3172576	4.891229995	6.336488416	7.231640945	5.715488042	1.265270943	0.311625268
0.02453307	0.422657767	5.840613882	6.865066184	5.313381661	1.292033327	0.305245821
0.08442855	1.208479094	6.80459321	7.674268165	6.220181141	1.233769241	0.32219543
0.036649344	0.792743211	4.492655095	4.835839171	3.997966989	1.209574562	0.147229977
0.050749054	0.975073355	5.002825178	5.393432248	4.555827795	1.183853405	0.193938504
0.196094853	3.173668977	6.098861771	7.015168005	5.580601195	1.25706313	0.277089185
0.223730943	4.062732807	5.352888372	5.898740274	4.936684386	1.194878954	0.192888048
0.031647743	0.443052016	7.212700333	8.446641832	6.557563449	1.288076265	0.387927479
0.098224203	1.557607792	6.567248716	7.407333002	5.611894231	1.319934535	0.342123753
0.281117372	4.393497324	6.937739951	7.851139662	6.341584065	1.238040777	0.359184903
0.166177165	2.263489376	7.35211505	8.083394413	6.434820445	1.256195799	0.347672511
0.379426428	5.889228127	6.615683766	7.905848982	5.806258057	1.361608269	0.449651156
0.141739554	2.634825487	5.390383515	6.772956396	5.081223053	1.332938217	0.333251323
0.161609255	2.422390895	6.58242582	7.233291397	6.081471031	1.189398315	0.213722575
0.379468854	5.187412832	7.570115973	9.332408153	5.654387915	1.650471862	0.654502146
0.02788122	0.713360351	3.79280849	4.155738437	3.538557732	1.174415893	0.111231326
0.294502903	5.009783947	5.777838903	6.591756624	4.959131259	1.329216002	0.404916088
0.167280251	3.065807669	5.575801609	6.478265237	4.912727175	1.318669856	0.344115972
0.137192858	1.748919476	7.674370218	8.367929219	6.925498532	1.208278246	0.270908841
0.149376308	2.483380285	5.405776808	6.528450322	4.985651929	1.309447674	0.333707842
0.058498944	1.037774023	5.674034391	6.177895912	5.196145089	1.188938301	0.224316359
0.161892098	2.496227822	6.348311261	6.593382986	5.971321933	1.104174764	0.14904277
0.004822468	0.105530203	4.538143912	5.202887544	4.326495599	1.202563928	0.188202072
0.101981768	1.772757274	5.709656585	6.446458094	5.18908741	1.242310562	0.231818004
0.115067487	1.795046927	6.776131131	8.62287127	5.45566076	1.580536556	0.557291672
0.022075874	0.300337283	7.413424411	8.186093717	6.287963863	1.30186717	0.364150403
0.000604576	0.008537068	7.060480198	7.592061177	6.696554348	1.133726508	0.22548522
0.402301332	6.390431241	5.867788515	6.160464349	4.741889063	1.299158261	0.258910907
0.029086837	0.406057832	7.328771561	8.341712173	6.318333769	1.32023924	0.379266338
0.046669048	0.867193546	5.435862374	6.600933474	4.33677082	1.522084922	0.401886707
0.001417749	0.019892613	7.304491721	9.260311301	6.39384667	1.448316136	0.537233434
0.124436651	1.564142796	7.997225299	8.334276701	7.453529406	1.118165133	0.173647616
0.141357717	1.511307757	9.361033261	10.14055916	8.839437853	1.147195029	0.256137257
0.256446416	3.008466536	8.822370969	10.41769817	7.44319452	1.399627289	0.623190103
0.353756095	5.122202689	7.203601452	7.856218509	6.153848061	1.276635112	0.330902988
0.077909025	1.220975259	7.11645603	8.236572329	5.874215973	1.402156878	0.640382323
0.19730047	2.716631175	7.230694076	7.752389604	6.497746927	1.19308888	0.225952402
0.142793143	3.113834938	4.360524625	4.837693945	3.821395836	1.265949447	0.29277687

0.024550747	0.391059702	6.25970792	7.388148288	5.844046748	1.264217862	0.357513747
0.033934054	0.426079928	8.110810801	10.71957566	4.241803318	2.527126993	1.526114912
0.323805408	4.705641914	7.3494394	8.780351331	5.112182	1.717534965	0.739079548
0.107504979	1.341240064	8.234480817	9.31808578	7.611177992	1.224263286	0.359439453
0.001149049	0.026647614	4.300916334	4.584161516	4.059833643	1.129150088	0.114323287
0.039612122	0.413742694	9.523320943	10.18111753	8.764966063	1.161569532	0.254387104
0.206906515	3.303047011	6.436297198	7.371607735	5.664594102	1.301347917	0.364255786
0.376213806	6.169973991	6.296490109	7.288796682	5.786633268	1.25959195	0.358936744
0.146668089	1.810238989	8.214789881	8.910685654	7.45740258	1.194877916	0.300545772
0.106720091	1.374745942	7.592934614	8.303883243	6.971136978	1.191180617	0.281584513
0.19746664	3.155230618	5.575029846	6.925130468	4.482449692	1.544943266	0.448011965
0.000558614	0.008236577	6.786658128	8.247804533	5.095704374	1.618579872	0.49553676
0.103329514	2.096820843	4.755798451	6.056002326	3.719376808	1.628230383	0.639814676
0.336618183	5.034664734	7.239319777	8.628584947	5.721257888	1.508162211	0.528553617
0.005448258	0.080720692	6.781152535	7.626658502	6.258552063	1.218597916	0.277641648
0.001508494	0.02792088	5.196420681	6.052256114	4.423428623	1.368227371	0.305610372
0.145105383	2.42220318	5.928883321	6.74184133	5.429906714	1.241612736	0.222498423
0.160081904	1.698593781	9.654513012	10.50427325	8.870296428	1.184207691	0.317850793
0.447496062	6.317841526	6.662919868	8.048786038	5.324066537	1.511774127	0.519378005
0.202331534	2.744247535	7.468979311	8.387718377	6.852122995	1.224105052	0.338287335
0.344947901	6.561778372	5.339350283	6.696857205	4.678973857	1.431266215	0.437539158
0.167326213	2.654316959	6.292478437	7.198958877	5.750709459	1.251838391	0.279656845
0.153201755	1.77542531	9.204065827	10.74856389	7.231941835	1.486262492	0.689381075
0.014219917	0.349834572	3.887013234	4.141026202	3.620311349	1.143831511	0.092938476
0.010250691	0.167688834	6.141293778	6.840294724	4.90982291	1.39318563	0.35667318
0.168482333	2.462671231	7.177170491	8.033474603	6.191211611	1.29756098	0.443441409
0.174542238	2.695920423	6.521990549	7.42700181	5.702018071	1.302521619	0.352808642
0.143405498	1.957726445	7.481012421	8.879300735	6.438198662	1.379159172	0.573378038
0.425720709	6.320124942	5.379868439	7.817679239	3.075692086	2.541762641	0.926355375
0.369852202	6.219732251	6.12563915	7.128498012	5.38604086	1.323513541	0.383018852
0.015156834	0.229105601	6.671760378	7.27311797	5.912811162	1.230060925	0.283460065
0.386568206	4.944674677	7.868268741	8.621842411	6.522565869	1.32184827	0.429645541
0.137247069	2.396724743	5.519441531	6.995000089	3.456534307	2.023703359	0.775077774
0.31785864	3.71560131	8.603922936	9.497786237	7.875978742	1.205918216	0.354472384
0.072167318	1.412768885	5.445452616	6.635392126	4.939928904	1.343216118	0.363178038
0.042136493	0.764974687	5.455895643	10.37629332	4.547612332	2.281701376	1.088966382
0.073920943	1.025169306	6.970525861	7.758263531	6.108094146	1.270161092	0.32238005
0.038615101	0.611456103	6.33243028	7.076865251	5.556184748	1.273691494	0.296495365
0.277892965	3.860586629	7.406653557	8.593899708	6.628073481	1.296590892	0.393002405
0.061893057	0.979826899	6.264018351	7.444279163	5.555989801	1.33986552	0.378455171
0.229961732	3.499562085	6.5743588	7.407616451	5.59295297	1.324455344	0.381463543
0.217081782	2.513539686	8.496604037	9.200597303	7.778849765	1.182770921	0.303669113
0.038320473	0.527087381	7.456771635	8.8555623	6.441728333	1.374718374	0.462025515
0.136605959	1.853222598	7.291718928	8.326694317	5.455331061	1.526340789	0.680898034
0.061237804	1.161294461	4.998627442	5.283641311	4.760799742	1.109822214	0.129740898
0.328489991	4.724902738	7.001743879	8.258104678	5.927888034	1.393093903	0.447654461
0.200818326	2.856667115	7.104900974	7.984369378	6.270885193	1.273244388	0.331049799

0.246688343	3.83087738	6.926492497	8.32394089	5.965086074	1.395443551	0.532461146
0.058155997	0.823755209	7.184072244	8.060277843	6.417455589	1.255992773	0.356174544
0.014177491	0.2660095	5.278567134	6.523585277	4.230919817	1.541883458	0.455798895
0.287559115	3.750369026	7.831439467	8.49160489	6.741077563	1.259680639	0.329860996
0.042235488	0.686194792	6.026629887	6.995185533	5.416719607	1.291406246	0.278588878
0.046428631	0.724463427	6.370749155	7.291508823	5.782187769	1.261029409	0.319733136
0.079797	1.757705593	4.181959775	4.676268461	3.852440403	1.213845763	0.283774578
0.112981521	1.898706748	6.769874188	8.864004125	5.972273526	1.484192592	0.602043228
0.032526912	0.531132226	7.152685483	9.31727547	5.82538297	1.599427114	0.670019499
0.12035311	2.279944294	5.35240809	5.866655465	4.811194272	1.219376133	0.300163615
0	0	6.000975968	6.895721493	5.614768295	1.228139993	0.244884145
0.048409709	0.519714263	9.166023041	10.099874	8.610517212	1.172969492	0.340473642
0.278317229	3.781794117	7.678467065	8.863656154	6.712358093	1.320498107	0.466951614
0.092457747	1.220187648	7.56507586	8.162106761	6.971963051	1.170704248	0.230045432
0.143132555	1.622512948	8.759030813	9.33132498	8.064655964	1.157064235	0.292489173
0.080504107	2.099984583	3.736250167	3.887624515	3.597047885	1.080781974	0.073463183
0.006918333	0.119167479	5.746536852	6.173810328	5.198916926	1.187518558	0.247201997
0.121042539	3.068597386	3.805345266	4.175686783	3.482844634	1.198929961	0.173668934
0.106363002	2.170570077	4.815613092	5.00688517	4.635696738	1.080071768	0.089444453
0.05357041	0.826764082	7.49284094	9.163030648	6.35657718	1.441503877	0.663079853
0.020697015	0.452255885	4.556001707	4.900105423	3.842877509	1.275113612	0.179060306
0.104786154	2.176571027	4.814277239	5.326265796	4.44634902	1.19789647	0.220959235
0.064219438	0.83326267	8.21822144	9.569546527	7.667614706	1.248047391	0.449416082
0.113561349	1.527834062	7.721145968	9.07044722	6.271343767	1.446332326	0.634858973
0.063448691	1.005206373	6.415413834	7.092877667	6.088557003	1.164952166	0.207459607
0.182497189	2.985514847	6.254517842	7.074173853	5.475464347	1.291976973	0.356704478
0.073708811	1.287099981	5.73271323	6.645768383	4.926587235	1.348959851	0.276634896
0.078573706	0.946507443	7.775439562	9.19023547	6.547401137	1.403646314	0.64564523
0.334708995	8.456074591	4.136656768	4.653654809	3.764212197	1.23628918	0.149748276
0.096661497	1.761706804	5.372072001	6.2447157	4.279843644	1.459099028	0.385958389
0.18968493	2.37164067	8.165753658	8.844462332	7.463333302	1.185055253	0.272473365
0.023207245	0.275775356	8.430299693	9.256617418	7.207257173	1.284346763	0.436467482
0.017779022	0.258930959	6.897780681	7.618310398	6.470454827	1.177399518	0.247812821
0.035814958	0.56471549	6.79611404	7.248342879	6.330718026	1.14494799	0.242726902
0.089562145	1.287558777	6.996477188	7.771007301	6.413615767	1.211642166	0.244206562
0.085163941	1.376967646	6.13832176	6.85026748	5.613949863	1.220222419	0.258731257
0.198258599	2.844934513	6.653933857	7.575923439	6.163308704	1.229197466	0.300494588
0.061624356	1.649555119	3.753382881	4.089348716	3.540364316	1.155064381	0.095957598
0.069678302	1.219710301	6.135068991	6.69339272	5.401030126	1.23928076	0.345806485
0.040156594	0.512604324	7.822535457	8.924811842	7.239212808	1.232842863	0.353809177
0.016595796	0.447687566	3.844801906	4.059628786	3.578966088	1.13430211	0.102754725
0.016843284	0.20158406	8.394297815	8.951878529	7.816926083	1.145191656	0.287881864
0.052043059	0.71032722	7.393286242	9.212913023	6.558367232	1.404757114	0.54065206
0.207483986	3.296530493	6.53033809	7.675861327	6.002272195	1.278825931	0.402759781
0.066015489	1.369969567	4.688491759	5.265862889	4.37955789	1.202373167	0.186497323
0.042490046	0.648069843	6.797852275	7.555611161	6.10066228	1.238490317	0.342722025
0.040368726	0.91549661	4.8453025	7.056562044	3.619230873	1.949740785	0.590414207

0.293965502	4.631228817	6.390266962	7.889119847	5.470120219	1.44222056	0.466649805
0.177950493	3.45180942	5.186086928	6.429369534	4.618232243	1.392171115	0.339962589
0.157380756	1.981950752	7.922297956	9.024483463	7.370411935	1.2244205	0.314685717
0.269011704	3.517172235	8.320440873	9.592142017	7.412352547	1.294075256	0.467272222
0.192912872	3.809853079	4.360504944	4.633411506	4.150345234	1.116391829	0.107054631
0.132221897	2.082364359	6.440524553	7.495480587	5.238629917	1.430809335	0.44190282
0.010684383	0.181714007	5.716359798	6.152634516	5.051893859	1.217886735	0.217151271
0.255265548	3.024686507	8.619667636	9.168980512	7.986764344	1.148021917	0.255489362
0.001859691	0.026489364	7.074396688	7.637771857	6.353967036	1.202047762	0.272882387
0.16495387	2.705750305	6.377873079	6.953863348	5.692828832	1.221512811	0.258737077
0.071810229	0.920190417	7.798997278	9.477782027	6.589446045	1.438327587	0.506387257
0.166392832	3.021247568	5.990391244	6.933156078	5.206989919	1.331509411	0.410086068
0.287346983	4.98449385	6.635257744	7.954939078	5.733389643	1.387475747	0.548541296
0.058534299	0.831087296	6.933523462	7.91086953	6.398825882	1.236300171	0.348219585
0.030780358	0.702680036	4.309937335	5.107571628	3.754583298	1.360356456	0.21739025
0.25892129	3.595351106	7.408246756	8.320940533	6.872799814	1.210706082	0.281503489
0.096892485	1.178805868	8.528881107	9.589337836	7.813264995	1.227315065	0.413864066
0.094377542	1.380763721	6.967043719	8.022553066	5.699399411	1.407613765	0.439165603
0.010967226	0.221874656	4.956993207	5.852130066	4.553075974	1.285313511	0.228602789
0.131288516	1.811471974	7.065371955	7.679286033	6.530200169	1.175964876	0.261910435
0.129028131	1.732325693	7.779360763	8.821666953	7.058990893	1.249706521	0.427080391
0.153781583	3.460630509	4.532682232	4.976710337	4.235230675	1.175074209	0.1298337
0.1215163	1.495801581	8.234797757	9.03789352	7.531847235	1.199957094	0.314647532
0.172739116	2.413598852	7.218404376	7.760852262	6.224008178	1.246921926	0.284505253
0.054475506	0.675961393	8.189929959	8.851674138	7.700955713	1.149425405	0.24738288
0.070700072	1.562475966	4.480335988	4.675827621	4.143707599	1.128416402	0.091975516
0.228162145	3.712138376	6.2713338	6.758574886	5.879532595	1.149508873	0.193773006
0.120955329	1.673463424	6.996899446	7.769106815	6.621444107	1.173325137	0.272931187
0.157988868	2.646489963	5.736260222	6.386878687	4.956188228	1.288667499	0.244666308
0.106490281	1.669940616	6.552650366	8.015863142	5.327432774	1.504639004	0.612093848
0.000236881	0.003552709	6.673482253	7.414748622	6.196087652	1.196682332	0.281560942
0.329292557	5.324454747	6.446303258	7.914183542	5.144303488	1.538436362	0.559301035
0.191427948	3.093628032	6.400593056	7.566203153	5.731723654	1.320057213	0.484037024
0.068320657	1.082038159	6.489114289	7.095321619	6.077999652	1.16737776	0.245603318
0.172392633	2.624106112	7.209091778	8.41836594	5.241782378	1.606012103	0.653337824
0.00079196	0.011640036	7.012009494	7.919778792	6.000828588	1.319780873	0.41047952
0.188917719	2.817203002	6.869528081	7.697279386	6.193585067	1.242782541	0.301972962
0.019401242	0.395926815	4.788073002	5.312962031	4.492497752	1.18262987	0.180253779
0.093620938	2.801769629	3.296118982	4.062686213	3.030996454	1.340379731	0.15799425
0.335847437	5.360895765	6.169803454	7.16496625	5.30359046	1.350965219	0.356699384
0.222222448	3.444380235	6.46479583	8.081128515	5.396570061	1.497456426	0.583162023
0.142103714	1.993309818	7.387626022	8.437514686	6.011448274	1.403574364	0.45166466
0.04734787	0.596833803	7.860155069	8.732162581	7.218037293	1.209769668	0.308632897
0.118907076	2.416707387	4.812341884	5.378645483	4.494770469	1.196645195	0.282358492
0.022892582	0.550188651	4.04216583	4.335481696	3.50993198	1.235203907	0.162996354
0.139837437	3.113583149	4.373791118	4.548448506	4.172458717	1.090112285	0.079468325
0.10402955	1.359683482	7.986773228	9.378114115	6.489272521	1.445171872	0.585370366

0.114150605	1.831058955	6.327497469	7.004714306	5.949754788	1.177311428	0.227037334
0.387342488	5.354593869	8.290342515	9.61281532	6.946632006	1.383809494	0.61694875
0.21382202	4.779463125	4.476197628	4.627812641	4.248165038	1.089367432	0.084288606
0.027386246	0.325694629	8.527616069	10.09611531	7.817077432	1.291546029	0.505715226
0.017797878	0.387484299	4.466754992	4.840220577	4.21931682	1.147157415	0.143120184
0.091492546	1.000721607	9.182585842	10.06382561	8.373647693	1.20184488	0.397389352
0.101342544	1.605855221	6.602898327	7.523880281	5.751627063	1.30813076	0.520670256
0.045099271	1.165931451	3.728075306	4.439430099	3.467606058	1.280257914	0.21138624
0.147092353	2.234861272	6.412193508	6.935351176	5.33807262	1.299223834	0.298336866
0.162726484	2.920705337	5.22530367	5.968633731	4.787260376	1.24677441	0.266360531
0.42288521	6.737199544	6.397806682	7.786332399	5.473150273	1.422641808	0.39738333
0.149230172	2.52533818	6.154881259	7.501174234	4.810569424	1.559311086	0.529966667
0.346818199	5.895013045	6.464975679	8.449241823	5.173412945	1.633204601	0.679639942
0.127894404	1.462615753	8.489483276	9.641810671	7.642125468	1.261666105	0.446898986
0.609377553	8.890797791	7.686099907	8.611571563	6.659792155	1.293069117	0.456545782
0.188776297	2.455227814	7.675427905	8.701188826	7.123304008	1.221510245	0.363067085
0.086434965	1.518408997	5.168733904	6.598814042	4.637153287	1.423031251	0.435156737
0.048047906	0.979165193	4.569100936	6.186091929	3.329053869	1.858213226	0.734708668
0.288877869	3.305570811	9.544267869	11.11127878	7.960457262	1.395809111	0.759921472
0.098443406	1.744826629	6.617610898	8.813327847	5.708917632	1.543782625	0.644144367
0.91264858	12.6367571	7.454179394	8.649649034	5.884049095	1.470016462	0.655257158
0.452392776	4.460368955	10.70099675	11.65782759	9.507272547	1.226201051	0.458046973
0.150196551	2.582269956	6.691648645	8.26398769	6.176515104	1.337969316	0.385192213
0.14230524	1.476389839	9.803867425	10.80916227	8.885054354	1.216555559	0.449579169
0.145877897	2.823117735	4.876091475	6.298192199	4.425454273	1.423174167	0.31938991
0.080716239	1.392137193	5.712977378	6.251303482	5.255112914	1.189565968	0.199511135
0.077208989	1.025564883	7.419185577	7.923732353	7.05482217	1.123165427	0.237710822
0.114183603	1.210754155	9.448740952	9.951752198	8.975109628	1.108816784	0.250897657
0.223834652	2.638056161	8.648769952	9.49058642	8.087569347	1.173478212	0.307696503
0.062686784	0.880008551	7.189568842	7.92505156	6.664620104	1.189122776	0.283363578
0.005451793	0.101422711	5.673909917	6.454074815	4.955492855	1.302408258	0.358211386
0.296857569	3.665872685	8.322927843	8.953888094	7.361896303	1.216247516	0.335712278
0.175592291	2.704388723	6.624140046	7.318973938	6.085738487	1.202643517	0.313391748
0.161736534	1.722898923	9.519551336	10.4896138	8.729834334	1.20158223	0.384270584
0.226507515	3.653899818	6.337936575	6.894649488	5.810363166	1.186612487	0.272932095
0.237011586	4.157996223	6.228825468	7.850203187	5.775156489	1.359305709	0.379820163
0.070017713	0.912199229	7.828982367	8.62902363	7.193327401	1.199587221	0.339740508
0.231216846	2.677556333	8.785951662	10.5383775	6.007317786	1.754256704	0.856398729
0.060297352	1.147454898	4.847474226	5.198704427	4.35284143	1.194324331	0.245575354
0.019673478	0.320930806	6.203091703	6.821180415	5.385275031	1.266635479	0.288483092
0.063147464	0.906624584	7.244954328	8.157914821	6.238961774	1.307575702	0.352302398
0.029333146	0.498380352	5.873094955	7.038606681	5.381947529	1.307817782	0.337374791
0.140523331	1.994074021	7.266403551	7.899807525	6.504576995	1.21449981	0.363269361
0.158434345	3.143244325	4.806747403	5.367840384	4.487602536	1.196148799	0.218069487
0.480464916	7.680332647	6.428949119	7.377086144	5.621318096	1.312340988	0.38620843
0.016107892	0.235013513	6.972055759	8.035000501	4.729659688	1.698853835	0.647865477
0.13071576	1.887173473	6.772318637	7.726581754	6.010254468	1.285566492	0.318649324

0.004277996	0.056268266	7.346320452	7.854484223	6.916152139	1.135672562	0.21612092
0.1128401	1.649572963	6.052576623	9.647015332	3.581584091	2.693505189	1.483123589
0.166083473	2.797344021	5.389457043	5.763189147	5.034108822	1.144828082	0.173611683
0.106014163	1.955743545	5.539481894	6.420960687	4.97963238	1.289444721	0.302017755
0.058612081	1.133341864	5.036647391	5.658686447	4.241704969	1.334059414	0.292353528
0.281032519	3.728001597	7.541447265	8.180993172	6.345642133	1.289230152	0.349150878
0.137998959	2.067866692	7.38018428	8.849725157	6.440905196	1.373987799	0.529759738
0.005769991	0.093160877	6.098902366	6.629856447	5.588260706	1.186389969	0.191488193
0.151837039	2.042528905	7.351641637	8.2868814	6.893536922	1.202123307	0.301211762
0.061337978	1.142223484	5.065468212	5.488869795	4.773554465	1.149849622	0.139105671
0.334698388	5.257095375	6.612733534	7.252126588	5.695584527	1.273289256	0.318293366
0.052492072	0.949606694	5.780948518	7.06835399	5.269936454	1.341259814	0.357169987
0.250249804	2.867599442	8.853408804	9.535317607	8.169440016	1.167193539	0.279791362
0.094914943	1.449678069	6.665109769	7.36547267	6.189908423	1.189916258	0.262091244
0.380600225	5.175091774	7.345510208	8.013811093	6.606342652	1.213048053	0.279997582
0.093811857	1.104778648	8.689315679	9.586308519	8.199211558	1.169174432	0.299236065
0.039803041	0.612267353	6.59378412	7.406702688	5.188144582	1.427620717	0.39358278
0.123977032	1.630827799	7.639430248	8.272931529	7.036678768	1.175686968	0.272977374
0.136172267	1.946771485	7.177866193	8.032047052	6.48261733	1.239012986	0.347440779
0	0	4.009024779	4.358703942	3.724568942	1.170257286	0.137891876
0.120802122	1.525836558	8.254621748	9.771005646	7.412893664	1.318109511	0.513598669
0.062746299	0.797869777	7.790999732	8.77354335	7.139331877	1.228902578	0.339263189
0.299403153	4.242044271	7.275212925	8.334313385	6.404412728	1.301339208	0.40262599
0.03582203	0.778420333	4.454487675	4.672386818	4.235854847	1.103056405	0.098279471
0.114346238	1.994420494	6.169346721	6.941365902	5.374142795	1.2916229	0.337668657
0.028093352	0.285593539	10.00437904	10.61949545	9.372743526	1.133018888	0.240682529
0.044975527	0.73391369	6.222499372	6.520260994	5.906942579	1.103830096	0.166550658
0.080185909	1.07646591	7.955228601	8.807239278	7.266662796	1.212006051	0.382192329
0.019452508	0.261005795	7.798049105	8.521339934	7.202085251	1.183176766	0.318241149
0.051071494	0.678349513	7.963276503	8.766591408	6.721993949	1.304165323	0.447606112
0.312668477	3.695768997	8.165161458	9.370408562	7.376751999	1.27026211	0.404707501
0.067719616	0.926034291	7.740458077	9.629152976	6.997281303	1.37612775	0.635875563
0.002192031	0.04132516	5.375789351	5.898678083	4.992902498	1.181412632	0.183359212
0.032632978	0.426224615	7.337099759	8.271884441	6.685665294	1.237256739	0.319487112
0.283832662	3.905197234	7.095549675	8.258999225	6.186773793	1.334944432	0.354839029
0.212604028	3.591194785	5.998037147	7.030015103	5.229923999	1.344190681	0.369834815
0.085796801	1.456096621	5.684846679	6.120457246	5.296370183	1.155594687	0.175226816
0.060705117	0.953507968	6.181369813	7.01569991	4.675459726	1.500536914	0.406228882
0.12959146	2.694186331	4.782733321	5.604591218	4.271462195	1.312101328	0.371477469
0.078785838	1.224045517	6.542688864	6.95669725	6.103584667	1.139772385	0.219837925
0.029050304	0.533033424	5.227411567	6.177100957	4.668259366	1.323212888	0.285304852
0.023794143	0.357890528	6.571980407	7.690943763	5.802636799	1.325422223	0.366263641
0.005586144	0.07145777	8.067733173	9.953964297	6.937400758	1.43482619	0.771178353
0.285317586	4.990941427	5.98755249	6.58304925	4.767721077	1.380753854	0.384196614
0.109117183	1.672539713	6.476823468	6.878772226	6.212567315	1.107235041	0.155735764
0.081845253	1.13163289	7.332179289	8.016409439	6.810459663	1.177073184	0.276015157
0.10965812	1.253021437	8.98749535	10.37533346	7.696807275	1.34800484	0.500757012

0.326039866	5.005469793	6.836307351	7.667255564	6.245676127	1.227610175	0.320975611
0.16640061	2.564430289	6.729453509	7.734617604	6.122717748	1.263265419	0.386337305
0.093797715	1.376391912	6.759310121	7.461222382	6.065171487	1.230175008	0.247524089
0.12555388	1.758153638	7.17053813	7.965968003	6.435370642	1.237841369	0.257831852
0.229442008	3.776119518	5.64591056	6.973353962	5.097394578	1.368023184	0.320580142
0.05781305	1.017516443	5.930941647	10.20624539	4.744257683	2.151283945	1.24001452
0.55876285	9.245534289	5.362666527	6.674485866	5.045065108	1.322973187	0.306718003
0.001430713	0.022209528	6.288117984	6.64987737	5.845086014	1.137686829	0.180793632
0.044088108	0.652489487	6.619491351	7.482167151	6.231906592	1.200622481	0.232662628
0.110008137	1.134412399	9.945570536	10.58867749	8.704334266	1.216483324	0.316825457
0.073457788	0.874996649	8.524470086	8.999895136	7.964861454	1.129949992	0.249642569
0.15489174	2.442384849	5.884550658	6.959776204	4.482502071	1.55265432	0.47129741
0.054263374	0.565412739	9.069407035	10.64867856	7.708656637	1.381392253	0.520437636
0.213090164	2.263674178	9.421158163	10.11980939	8.673705159	1.166722278	0.383321177
0.39083206	5.998396553	5.195588541	9.857592609	3.145652065	3.133719942	1.691670423
0.093915566	1.457518715	6.779951682	7.993124419	5.92774043	1.348426861	0.538269696
0.003334008	0.05019046	7.0191763	7.67107951	6.320227945	1.213734627	0.313931266
0.041952645	0.812083857	5.260596335	5.547821423	5.032302565	1.102441944	0.142478699
0.355734815	4.991442344	7.608607941	8.325893954	6.593820073	1.262681399	0.406328595
0.126338769	1.64076703	7.778430515	8.573219176	6.766648444	1.266981615	0.405380681
0.649958411	9.388999381	6.610445977	7.295285431	5.192649225	1.404925524	0.431090649
0.206659028	5.181928434	3.772282172	7.891179363	3.042755124	2.593432281	0.935297313
0.610381645	11.37694835	5.026441451	11.22903551	4.250768308	2.64164845	1.15747213
0.217048784	3.256453865	6.746446512	7.239840458	6.133121712	1.1804495	0.218379828
0.422920566	10.57404607	4.504884722	6.201072303	3.994950488	1.552227574	0.406252187
0.076428815	1.516351104	4.705561557	7.503956299	4.435127534	1.691936983	0.49193165
0.135010255	1.957016957	7.18840279	8.326055973	6.075185073	1.370502441	0.456017272
0.140289985	1.794654138	7.839472564	8.662173513	7.029868493	1.232195669	0.356123817
0.095827111	1.077048698	8.905938803	9.515775524	8.481628653	1.121927865	0.234206224
0.025335636	0.324550249	7.881666282	8.778051424	7.51422405	1.168191335	0.217274339
0.161630468	1.852396208	8.81178935	9.752644015	8.195305554	1.190028114	0.324234579
0.087511535	0.847596083	10.72072451	12.60933912	9.682122255	1.302332152	0.633810976
0.057823657	1.177875765	5.111391111	5.783967646	4.712786341	1.227292567	0.281581367
0.243410903	3.731893905	6.070153776	6.550251816	5.439833783	1.204127199	0.281216256
0.081520573	1.470090215	5.534706815	6.345148942	5.012978236	1.265744363	0.266009951
0.349133973	3.695604102	9.930581642	10.82648752	8.912973214	1.214688664	0.511724983
0.03681905	0.906191925	4.277332787	5.325628053	3.872239879	1.375335263	0.306201263
0.158745472	2.011875809	8.361714872	9.005432126	7.671123671	1.173939114	0.330760993
0.185233692	3.065154214	4.520363783	5.022004323	4.059566222	1.237079049	0.166762746
0.109042937	1.613246987	6.665560456	7.163068148	5.81449165	1.231933689	0.263263857
0.006837723	0.073800161	9.176438857	10.07001005	8.217079809	1.225497413	0.442458041
0.082455722	0.99383359	8.403410527	9.572671881	7.847299105	1.219868359	0.385861683
0.050159798	0.67513484	6.634433311	8.755774256	5.721419891	1.530349882	0.463504228
0.243011387	3.782636616	6.495259327	7.374591913	5.285196589	1.395329727	0.396728691
0.291137075	3.632671171	8.098895978	8.988607293	7.533674426	1.193123937	0.341892971
0.038978083	0.594432487	6.579396882	7.695943862	5.756201467	1.336983062	0.391698151
0.247140891	4.151377353	5.824997622	6.562072217	5.486140518	1.196118145	0.248343833

0.289128892	4.103417675	7.100772907	8.219856388	6.289139649	1.306992188	0.480528554
0.137051436	2.22583722	6.941175108	8.600632388	5.750704905	1.495578808	0.696775339
0.060973032	1.042890633	6.100628171	6.81934516	5.587314909	1.220504889	0.28111842
0.3831847	5.394688671	7.192069599	8.429330378	6.513475879	1.294137038	0.455809452
0.04469622	0.66554195	6.637357682	7.399314197	5.877942615	1.258827226	0.292449246
0.050528083	0.653177147	7.78278575	8.556568424	7.317187611	1.169379395	0.337629688
0.198619224	3.164160431	6.253308822	7.036521163	5.608776597	1.254555435	0.300699848
0.060782899	0.908955237	6.701965038	7.541150092	5.467816675	1.379188539	0.397081465
0.379897832	5.229510899	7.35451093	8.243318219	6.251944988	1.318520594	0.389150296
0.451992083	4.310349172	10.67068443	12.23790372	9.040392792	1.353691593	0.828279205
0.044007969	0.907002728	4.843581803	5.7758442	4.575574389	1.262321123	0.181255854
0.06880149	1.011993739	6.706103422	8.565953838	4.561522023	1.877871858	0.76577759
0.419257753	8.230069556	4.720265443	5.231204342	4.522618826	1.156675931	0.17697486
0.455553544	7.517142546	5.846461585	6.509946414	4.980117823	1.307187228	0.290240076
0.106794337	2.065188529	4.908867913	6.16883359	3.527014944	1.749023945	0.601366845
0.140685965	3.084010374	4.460491651	5.187745587	4.175011636	1.24257033	0.214909138
0.075462436	1.055044084	7.48557029	8.622963565	6.392586336	1.348900603	0.480122693
0.148181297	2.241188742	6.72862343	7.742857094	6.473253169	1.196130739	0.206714839
0.118749745	1.975434118	6.144238977	6.722983432	5.495636367	1.2233312	0.23739246
0.140198062	3.087138733	4.399821477	4.815166884	4.0678539	1.183711855	0.275174527
0.150422826	1.961406525	7.575380649	8.573911452	6.751041504	1.270013145	0.440316848
0.213341187	3.415440018	6.233734388	7.581982747	5.605478023	1.35260235	0.391793406
0.104856865	1.041386588	10.13941588	11.01821277	9.279148161	1.187416407	0.391810398
0.084718463	1.097654526	7.975857261	8.90068406	7.257967808	1.22633281	0.392423744
0.042143564	0.685955196	5.376819708	5.85004975	4.872225375	1.200693585	0.230026721
0.027777511	0.339506863	8.267971237	8.663749975	7.923931142	1.093365127	0.186681358
0.094978583	1.392428046	6.732804824	7.386481949	6.23256074	1.185143997	0.280446068
0.070510331	1.332040271	5.664779676	6.277948415	5.025123735	1.249312205	0.310258763
0.035298771	0.849882012	4.199628873	4.536782486	3.888355363	1.166761282	0.129120091
0.018303459	0.362742057	5.010964292	5.439520851	4.801143716	1.132963555	0.125992667
0.007007428	0.088339123	8.179619982	9.714204311	7.695714401	1.262287529	0.460028526
0.072591582	2.190860912	3.385082444	3.798059318	3.199901592	1.186930038	0.111471032
0.094080557	2.304964041	3.995412594	4.388278765	3.720381751	1.179523785	0.16552355
0.036390072	0.582863109	6.463274523	7.005763487	6.045431691	1.158852477	0.244724611
0.264309444	3.670164544	7.303170645	8.460337967	6.732349966	1.256669367	0.365900119
0.122279976	2.824154172	4.319187985	4.629574859	3.960864203	1.168829483	0.126922295
0.056412979	0.591389705	9.543648836	10.35731625	8.898035493	1.16400033	0.338690413
0.307768227	3.623559705	8.641700141	9.612038859	7.474300822	1.286011774	0.457897383
0.040287409	0.84088202	4.487873576	4.849414178	4.212161102	1.151288866	0.17888923
0.241278976	4.692927866	5.327871168	7.180352727	4.675880914	1.53561497	0.501410113
0.086820928	1.453332331	5.740856333	6.402106517	5.058345674	1.265652237	0.351573932
0.158064293	2.450444784	6.509138135	7.914874965	5.792211354	1.366468604	0.382000298
0.174004837	2.763631433	6.337904694	6.93515565	5.680740551	1.220818938	0.349749425
0.025604337	0.432173012	5.902421787	6.669064026	5.425256459	1.229262446	0.249760405
0.006781154	0.11539077	5.869782815	6.292647797	5.429214995	1.159034557	0.199170776
0.266027713	5.686637697	4.526071145	4.926554959	4.238959609	1.162208517	0.168166981
0.262202266	6.9794203	3.791546977	3.962636532	3.437117957	1.152895123	0.098731495

0.148490067	2.263392165	6.694082029	7.730585482	5.614692013	1.376849427	0.465239239
0.088487343	1.249643725	7.206328999	8.805283131	6.338772367	1.389114898	0.473005334
0.085658915	1.137591263	7.628695505	8.146059736	7.367403309	1.105689399	0.17305587
0.113978542	1.142034448	10.12538445	10.70352684	9.565809229	1.118935846	0.307984995
0.086411712	1.519983546	5.736110998	5.996190081	5.55879875	1.078684505	0.090709472
0.206081557	2.578398762	8.041519159	8.693669221	7.402168669	1.174475969	0.267956216
0.008386286	0.160456378	5.175569516	5.937032471	4.448591658	1.334586972	0.272716047
0.036936901	0.831261714	4.377618138	4.579189373	4.109150301	1.114388386	0.112097644
0.206956013	5.358151404	3.848687831	4.313025195	3.54705148	1.215946602	0.129041299
0.215671104	3.606868294	6.407295862	7.163667312	5.584819309	1.282703507	0.245591518
0.323197296	5.887266154	3.639684792	4.575445214	3.140285348	1.457015751	0.370497394
0.306548467	7.031319446	4.05018625	4.360907572	3.887488597	1.121780158	0.105208775
0.222264875	2.869891402	7.591475101	8.148353148	6.805284783	1.197356673	0.29311181
0.122668884	1.976574046	6.169375022	7.057549154	5.642862029	1.25070383	0.243409316
0.058574958	1.057685385	5.698420878	6.420542546	4.880517055	1.315545561	0.310669205
0.303709434	4.811348186	6.896148332	7.479251822	6.025614444	1.241243012	0.387041684
0.092055875	1.696203247	5.544454912	6.291860124	4.724920127	1.331633119	0.328560019
0.222180022	2.780289587	8.078024449	8.726612906	7.608075439	1.147019765	0.214335859
0.338902138	4.958845851	6.689639167	8.063700739	5.65566027	1.425775304	0.476931865
0.386303041	5.983292035	6.828688677	7.477512199	5.96837083	1.252856502	0.436858281
0.193747258	3.884837993	5.20630183	6.917332486	4.135521689	1.672662606	0.51906641
0.048422672	0.662993935	7.491383107	8.685809765	6.747910133	1.287185157	0.414808409
0.100953635	1.526952385	6.90230716	8.015882902	6.195719855	1.293777493	0.376744985
0.060535412	1.587540432	3.762279539	4.082025089	3.443120775	1.185559658	0.148216561
0.384531739	5.107016766	7.460803601	8.634923687	6.543446362	1.319629322	0.393081204
0.004334565	0.077473545	6.612887977	7.343049868	5.442550377	1.349192816	0.432005209
0.136351401	2.179175806	6.627353196	7.309653279	5.771503784	1.266507578	0.290923529
0.130892536	2.108247615	5.375552392	6.190516375	4.565235954	1.356012359	0.434177426
0.158512127	2.445162051	6.416805096	7.060439029	5.800712013	1.217167653	0.321717687
0.253066446	3.088367296	7.560797549	8.61995399	6.743363213	1.278287068	0.410130708
0.149425805	2.115976091	7.631053032	8.783666122	6.668448245	1.317197915	0.462910165
0.033120882	0.659108807	4.851842709	5.617415015	4.292189259	1.308752871	0.350059416
0.108208551	1.689922497	6.427326593	6.627602236	5.993366895	1.105822879	0.146090595
0.179081863	2.60937038	7.026603069	7.709890178	5.954819331	1.294731166	0.356703175
0.013805081	0.283549705	5.095586581	6.202015106	4.436595042	1.397922291	0.417211108
0.153767441	2.09501667	7.348036129	8.044515869	6.942663561	1.158707432	0.216950278
0.102633014	1.163507882	9.177948473	10.05061933	8.366478574	1.201296249	0.407610427
0.068865129	1.153005475	5.954692371	7.638151605	3.792446099	2.01404355	0.764311559
0.016146783	0.248348074	6.597416462	7.077725231	6.240204605	1.134213648	0.211254601
0.239447569	3.496691067	6.915476985	8.646975133	5.288011553	1.635203525	0.673534134
0.338180889	5.15711135	6.475942725	6.865376622	6.124940147	1.120888769	0.183691986
0.046562982	0.850621763	5.241146813	5.728771334	4.27357092	1.340511586	0.301371611
1.180451132	20.07455594	5.682258512	11.43530023	2.912654932	3.926074489	2.017873804
0.050642988	0.702055136	7.393926996	9.868675775	5.541250094	1.780947549	0.830236026
0.010999046	0.219690705	4.758376029	5.134398778	4.520765527	1.13573658	0.184253258
0.307855436	4.972613287	6.163432736	6.880177248	4.562339133	1.508037225	0.476373252
0.17038445	1.981519068	8.566062231	9.424974424	7.843615715	1.201610936	0.329064204

0.095515984	1.32405078	7.212980231	8.307522316	5.948799879	1.396503914	0.443059887
0.045266619	0.445706493	10.10332341	10.5375207	9.715653954	1.084592015	0.19952389
0.204862977	3.514298528	5.011505846	7.074839373	4.525505783	1.563325673	0.471792623
0.073383542	1.201183092	6.111055531	6.586755099	5.624405979	1.171102357	0.199042338
0.095240212	1.682050341	5.350554993	6.578140859	4.849267249	1.35652265	0.270822365
0.256906036	2.829346808	8.948732651	10.24369313	8.125857117	1.260629246	0.354696363
0.236972696	3.94638358	6.052465158	6.532936289	5.703600246	1.14540571	0.18965258
0.048199934	0.783983578	6.173497048	6.55748485	5.743368562	1.141748919	0.192234142
0.080352079	1.193725865	6.632378854	7.374151049	6.257126369	1.178520396	0.246356596
0.150656171	2.408508479	5.468956341	6.810861529	5.115788296	1.331341552	0.37193061
0.240372465	3.120494366	7.848834233	8.611297994	6.837211125	1.259475221	0.348514212
0.198916209	3.564715637	5.612368123	6.500603289	4.753201121	1.36762639	0.3194929
0.121095572	1.411714918	8.445126949	9.239033985	7.590629124	1.217163141	0.359783999
0.207624229	3.495682202	6.021854916	6.570967321	5.65158191	1.162677534	0.193657042
0.051026593	0.7695338	6.651142189	7.08789676	6.233683878	1.137031793	0.192920231
0.143137269	1.928841211	7.38248916	7.943643946	6.59037701	1.205339836	0.291358392
0.145256232	1.778661755	8.397839506	9.109011573	7.659166227	1.189295454	0.319149469
0.001576848	0.030561699	5.847240051	7.400709508	4.88960739	1.513559048	0.440536894
0.097644375	1.816291635	5.273668019	6.49918836	3.981431034	1.632374969	0.476485279
0.027046834	0.364164753	7.453176264	8.648178477	6.589942661	1.312329852	0.385793201
0.171484001	2.203374545	8.006963376	8.979019375	7.263077525	1.236255478	0.3768413
0.034273466	0.453751861	7.708263908	8.564834857	7.147236427	1.198342177	0.27422648
0.209716558	3.325515019	6.814975741	7.487993179	6.084095897	1.23074871	0.275178503
0.013831009	0.278588937	4.866274235	5.20680695	4.514917475	1.15324521	0.159123142
0.069356569	1.247322139	5.675972379	6.076424307	5.327223079	1.140636353	0.163174066
0.28753083	3.353230418	8.659325939	9.80362191	8.032685591	1.220466281	0.367489661
0.130645049	1.643178996	8.100266709	8.774140058	7.620331031	1.15141193	0.284776951
0.110181379	1.692512592	6.353109059	6.778366161	5.82472413	1.163723124	0.180105764
0.036811979	0.552043591	6.676070132	7.309258123	6.136392443	1.191132769	0.270979663
0.122018346	1.486201868	8.460038887	9.422030665	7.651359394	1.231419174	0.376893078
0.017932228	0.252679996	6.977328886	7.512869907	5.500134128	1.365943036	0.337847654
0.114883639	1.397348102	8.571404852	9.533229775	7.552853387	1.262202414	0.455307457
0.0526441	0.681227276	7.958461569	8.738946607	7.525308031	1.161274272	0.235115165
0.022153655	0.298151275	7.436064499	8.138844762	6.655203683	1.222929477	0.301954153
0.077288539	0.882804641	8.868464235	9.51471316	8.152265741	1.167125001	0.338385081
0.120275328	1.392091246	8.524336876	8.973288166	8.097865343	1.108105382	0.229673335
0.0243669	0.277673575	8.818610392	9.623510223	7.773885351	1.237927984	0.391575557
0.325021632	3.576374691	9.28360623	10.00931753	8.602352776	1.163555808	0.325151303
0.049822744	0.529689154	9.365057692	10.11476129	8.502235751	1.189659001	0.319467151
0.05456743	0.679100353	6.882978243	9.166013226	5.673019441	1.615720397	0.628617853
0.175903418	2.442942643	7.469190485	8.18417442	6.858275214	1.193328376	0.372996038
0.037964563	0.574300917	6.981295577	9.935389014	3.84501285	2.583967701	0.995055928
0.076756441	1.168877604	6.397239735	7.421782429	5.842295822	1.270353754	0.265925261
0.094469466	1.300000723	7.203006403	7.763683836	6.650135897	1.167447396	0.272710382
0.094375185	0.914398498	10.23235548	10.85465766	9.520739268	1.140106598	0.325297243
0.120109158	1.348380112	9.048087914	9.803194076	8.239991306	1.189709274	0.342600502
0.313262446	3.928115788	9.169870257	11.35984889	7.345853583	1.546430072	0.827279423

0.021114208	0.256159254	8.346984813	9.069976716	7.554531067	1.200600889	0.356830289
0.067648906	1.112911396	6.063949878	6.43523011	5.697464751	1.129490114	0.193805124
0.06268973	0.862314189	7.831813684	9.010182997	7.077373437	1.273097015	0.447053608
0.074055293	0.888378574	8.358475661	9.331381305	7.819277507	1.193381524	0.307601106
0.004560839	0.075584676	6.12521424	6.979726136	5.656605828	1.233907108	0.229982007
0.090323463	1.41789791	6.266598172	6.987583222	5.968516983	1.170740276	0.230540669
0.084248237	1.100562693	7.752807788	8.393354204	6.861192067	1.223308446	0.306209216
0.174379603	2.064673056	8.520173814	9.420624983	7.275519462	1.294838813	0.421850017
0.150814091	2.199555192	6.81660235	7.415154095	6.291517494	1.178595482	0.249968277
0.047255946	0.575859781	8.158361534	8.711196118	7.618691033	1.143398004	0.249899332
0.120363716	2.589554183	4.335472462	4.762257803	4.029867803	1.181740453	0.219526916
0.186202429	2.504334995	7.482416299	7.837555574	7.031114402	1.114696067	0.16659382
0.094709882	1.973856908	4.822932375	5.317135997	4.493694775	1.183243692	0.168847178
0.142109607	2.137936876	6.972496849	7.411837205	6.637164092	1.116717487	0.196595982
0.080592495	1.377759799	5.440422746	8.525503015	2.696964409	3.161147765	1.136267914
0.042825922	0.857315289	4.748635095	5.221310809	4.403015037	1.185848961	0.265191075
0.100628366	2.06462698	4.67544398	5.479888904	3.970883899	1.380017408	0.319526699
0.155337218	2.763334864	5.706574428	6.208169472	5.36288321	1.157617876	0.182437727
0.37613131	9.024795391	4.103179741	4.408369435	3.911566306	1.127008745	0.140006327
0.512624132	8.070989118	5.995383222	8.198078152	4.462527002	1.837093232	0.626181322
0.031409683	0.513819414	6.257895559	6.748004451	5.991678925	1.126229315	0.19794913
0.013760298	0.214786476	4.526569495	7.446232086	3.857075812	1.930538171	0.522104786
0.002062395	0.022233157	9.511649606	10.20627447	8.586094382	1.188698145	0.33572757
0.136813377	2.193610215	6.109909719	8.038787169	4.493607313	1.78893851	0.734397057
0.009821713	0.183421244	5.441090926	6.215460138	5.013992352	1.239622979	0.222098469
0.227140376	2.887011228	7.741806259	8.705922823	7.129025868	1.221193889	0.286204379
0.217880812	3.810859201	6.096895391	7.454411729	4.627220227	1.610991343	0.504409269
0.142634044	2.471829292	5.995021593	6.599699608	5.407124622	1.220556223	0.285871513
0.065799822	1.073964378	6.097639254	6.584732668	5.76430562	1.14232886	0.176187106
0.049423228	1.238156127	4.028274906	4.247735447	3.64601623	1.165034706	0.119558306
0.287937417	5.833733406	4.63021795	5.275805559	4.249589395	1.241485958	0.169062113
0.293218326	3.521979361	8.721366151	10.08261679	7.565826008	1.33265248	0.484156592
0.202016872	2.178197201	9.424567353	10.16149925	8.867264243	1.145956518	0.311407656
0.238231346	4.178740882	5.806383825	6.799928156	5.428167473	1.252711562	0.273908587
0.132285537	1.866755279	6.940703551	7.425054158	6.013443354	1.234742513	0.288292172
0.053252212	0.712844482	7.591348567	9.164069655	6.827122769	1.342303334	0.453142332
0.080794021	1.793403079	4.464670802	4.686967576	3.927731186	1.193301515	0.147939207
0.147643896	2.254227762	7.181192417	8.344552324	6.619393606	1.260621867	0.346203499
0.170292526	2.155191162	7.923639452	8.631276561	7.169022751	1.20396836	0.339485117
0.196367089	2.770195765	7.291243194	8.231715059	6.425721441	1.281056942	0.444928472
0.21895915	3.193168992	6.880033545	7.551326385	6.248189301	1.208562356	0.259878333
0.100653115	1.554766179	6.56157227	7.639834203	6.018563107	1.269378433	0.379419161
0.118313107	2.84617647	4.095414945	4.610573442	3.772223947	1.222242769	0.159598766
0.023612652	0.437482439	5.357048427	5.858143877	5.091232842	1.15063366	0.163006411
0.110421795	1.94501759	5.719315676	6.38263556	5.40872299	1.180063311	0.238677312
0.037674649	0.771297457	4.872165276	7.595505945	3.989070801	1.904079001	0.813866858
0.252652788	4.399915473	5.79120832	7.419430302	4.653926496	1.594230229	0.437632262

0.090976358	2.310147683	3.887997424	4.583691888	3.599994828	1.273249576	0.153904866
0.070166206	1.320922703	5.524186145	6.186551057	4.871681241	1.269900626	0.236344019
0.002481945	0.041785203	5.445965369	6.612617126	4.203496335	1.573123086	0.591519974
0.03172081	0.425305006	6.625664855	7.860525409	5.047334882	1.557361577	0.508065699
0.094236121	1.351878022	7.268194125	8.271277621	6.549968787	1.262796494	0.411170245
0.364867099	6.24145112	5.541992959	6.969177232	3.953711997	1.762692183	0.558088099
0.177985848	2.390931151	7.753942073	8.833975411	7.22187925	1.223223915	0.367734362
0.018950462	0.256297715	8.184702847	9.506311014	7.580395888	1.254065243	0.48012367
0.156496873	2.238081161	6.909212568	7.477048009	6.131251367	1.219497874	0.33965879
0.03094535	0.812030451	3.788405545	4.024158308	3.496547009	1.150894954	0.092353289
0.575726341	10.57590943	4.377951974	4.816506248	4.057266653	1.18713081	0.144059182
0.037844355	0.671757977	5.125230311	5.757983405	4.589976314	1.254469089	0.239838385
0.098570685	2.168415409	4.522223656	5.145976419	4.193492404	1.227133836	0.188769556
0.318576354	4.893823725	6.999583668	7.544147046	6.273948579	1.202455989	0.261925602
0.104451457	1.351613993	8.079050133	8.7398796	7.621787118	1.146696892	0.292239954
0.031017239	0.482956854	7.456101648	9.534274301	6.286881906	1.516534658	0.68273232
0	0	5.903584265	8.681350097	3.728034882	2.328666542	1.086816755
0.071898618	1.14075245	6.424638714	7.639458445	5.86369225	1.302840961	0.389319247
0.225623632	3.558335955	6.407906102	7.212300723	5.520500584	1.306457741	0.320531355
0.115908944	1.707878521	6.90729652	8.503984265	6.164621389	1.379482004	0.533588787
0.079482338	1.466437671	6.030659472	6.986078492	5.277108204	1.323845982	0.420260575
0.344551921	4.228227158	8.042144215	9.141183454	7.557728762	1.209514623	0.317252836
0.107791358	1.751865141	6.253495168	7.154837801	5.459982133	1.310414142	0.323618481
0.094023989	1.384132569	6.969884256	7.88002768	6.337422111	1.243412154	0.32834576
0.098330269	1.665819018	5.809061842	6.416037621	5.188096844	1.236684244	0.266687517
0.330254222	4.84701586	7.241877903	8.748248106	5.673109688	1.542055167	0.559133268
0.131737529	2.062712067	6.353005277	7.35909197	5.504727253	1.336867683	0.371819916
0.113221938	1.742882559	6.447954184	7.153054887	5.774892336	1.238647315	0.288001592
0.02516593	0.562829333	4.213018118	4.674033782	3.911016688	1.195094308	0.119656396
0.045021489	1.14383839	4.154449972	4.385236484	3.926394481	1.116860903	0.09541546
0.295040304	4.783682683	5.963467337	6.777321416	5.198968105	1.303589728	0.276432237
0.372362431	6.474744246	6.042383016	6.997071618	5.688338194	1.230073069	0.261518635
0.035364767	0.448531838	7.888931325	8.642917779	6.627516964	1.304095912	0.344378057
0.085566992	1.068301985	8.295054263	9.100651241	7.705405263	1.181073666	0.268831873
0.094950299	1.243570861	7.679612792	8.622166083	7.145470622	1.20666175	0.341779073
0.073348186	1.123230149	6.792823153	8.005132811	6.061081387	1.320743329	0.462998134
0.193040151	2.854677673	6.40618262	9.47406235	5.001093686	1.894398095	0.778325962
0.237821224	3.148531698	7.563548792	8.292953393	6.992796463	1.185928039	0.321631165
0.012742064	0.232300585	5.604555254	6.713187954	5.031010581	1.334361724	0.300446136
0.00440174	0.087529658	4.736318417	5.066224177	4.465174966	1.13460821	0.12816551
0.252397051	3.868129029	5.996750512	6.791382715	4.711422269	1.44147188	0.446240055
0.103379011	1.38140688	7.535525974	8.109434925	6.858273116	1.182431027	0.297300902
0.130570803	1.982130366	7.078354625	7.938263788	6.530152046	1.215632306	0.346731184
0.038853161	0.595110484	6.61273452	7.477271635	5.803692088	1.288364634	0.326995438
0.056900883	1.320898803	4.108513756	4.521159141	3.801286512	1.189376051	0.159812891
0.065817499	0.987356652	6.572334333	7.346687075	5.817613614	1.26283517	0.335098012
0.043748697	1.054879173	3.956335327	4.34237269	3.671774655	1.182635945	0.192416506

0.019975767	0.290538177	7.570315172	10.39213804	5.853711168	1.77530762	0.72147639
0.265051906	3.397371452	7.915605686	9.062210004	7.357064807	1.231769767	0.33067972
0.060247266	0.962418266	6.107529056	6.760923355	5.652367027	1.196122496	0.195590384
0.061299087	1.633851798	3.832467026	4.245603789	3.361225454	1.263111876	0.193907461
0.321585093	4.943490461	6.71420817	7.589143385	5.928229872	1.280170228	0.351884105
0.096348013	1.91032467	4.997469045	5.445512691	4.712133357	1.155636371	0.171797464
0.21011678	3.260188837	6.441841944	6.882509297	5.99626365	1.147799647	0.154355006
0.149758145	2.020430485	7.316780983	7.92873134	6.607428768	1.199972276	0.283998183
0.166463543	3.027730214	4.68180095	4.998957599	4.348961975	1.149459946	0.162117103
0.069275251	1.331939099	5.195719674	5.633669724	4.933202506	1.141990364	0.165067239
0.006163614	0.095830518	6.676952284	7.618816819	5.66451372	1.345008097	0.389074614
0.228179823	4.409944863	5.081853549	5.485276759	4.543162286	1.20736976	0.2379207
0.223426887	3.560496456	6.430932838	6.929450336	5.971661313	1.16038904	0.205560981
0.30421855	7.431607869	3.761511858	4.542398667	3.393373137	1.33860866	0.219150407
0.106200367	2.712384447	3.844543432	4.280115526	3.477080886	1.230950808	0.142377556
0.087829733	1.664493816	5.417782362	7.373056911	5.118456435	1.440484452	0.36156663
0.100287187	1.484387223	6.903046748	7.410348412	6.008142293	1.233384306	0.351423655
0.21276843	4.275106004	4.766286258	5.108149731	4.387379802	1.164282547	0.17109925
0.053909821	0.853828465	6.35921164	6.931183266	5.778616321	1.199453793	0.222345209
0.001248043	0.017688003	7.234919444	8.245542123	6.378450328	1.292718717	0.42729991
0.31262605	4.840215932	6.289721005	7.545178534	4.843419319	1.55782063	0.632787048
0.044081037	0.408037747	10.99782704	11.78698218	10.21839743	1.153505944	0.391550035
0.09065816	1.961880303	4.700603736	5.217600206	4.160092576	1.254202908	0.188594009
0.121287669	1.635479713	7.739297721	8.894775247	6.437118411	1.381794567	0.532937211
0.10005561	1.620237656	6.320312266	7.192398659	5.216645112	1.378740264	0.395190021
0.048889363	0.729545125	6.780362905	7.383420622	6.138886829	1.202729555	0.334151722
0.290132983	3.467317854	8.489416649	9.485582697	7.332410457	1.293651351	0.376783943
0.11323608	1.498202357	7.663002705	8.581195772	6.773306531	1.266913838	0.348555515
0.306271517	5.121186656	5.861850818	6.549478206	5.382861082	1.216728076	0.267316181
0.039661619	0.874263573	4.425510724	4.824320865	4.223938705	1.142137991	0.142302149
0.001513209	0.032366198	4.333860077	4.915225225	4.064769024	1.209226206	0.261370719
0.076600878	1.48616015	5.035904468	5.695454121	4.621679202	1.232334369	0.202921637
0.023629152	0.337604085	7.239889908	8.750015718	5.81547934	1.504607825	0.574547042
0.054065384	0.613638031	8.984466208	9.792240732	8.46727562	1.156480688	0.309704417
0.055345248	0.93979948	5.984522551	7.563490408	5.063603405	1.493697236	0.6325586
0.175320055	2.181950193	7.98387703	8.493903952	6.952282559	1.221743202	0.312912934
0.072492587	1.522194111	4.703736668	5.979445624	4.52328799	1.32192459	0.256228062
0.015750804	0.289728281	5.345732879	7.265378634	4.637006262	1.56682528	0.433118731
0.078667397	1.561009655	4.819633784	5.307066009	4.463140155	1.189087912	0.164118566
0.113108801	2.772722714	3.888502999	4.166080735	3.747020902	1.111838136	0.088706417
0.099235366	1.484313924	6.722473191	7.092192231	6.340970036	1.118471179	0.183252839
0.054968713	0.741405019	7.510137334	8.766222451	7.070025468	1.239913843	0.348670755
0.086248171	1.680522249	5.047125098	5.81539643	4.695700042	1.23845143	0.196322189
0.087886302	1.301265122	6.880322548	7.560758308	6.511681696	1.161106863	0.294464551
0.091881455	1.220400992	7.443430896	7.904131032	6.864493307	1.151451488	0.206620924
0.050296505	0.648712912	7.788392987	8.617721394	6.445286372	1.337057952	0.35363519
0.08948672	1.537329777	5.795258331	6.114186782	5.397821525	1.132713772	0.15819629

0.191229958	1.996612221	9.744091813	10.5993024	8.995515923	1.178287325	0.348888924
0.024554283	0.357888511	5.841836053	6.728106474	5.253934816	1.280584307	0.315566311
0.074840182	1.271745377	6.026923049	6.9122559	5.637152445	1.226196376	0.270575122
0.003563818	0.047734679	7.496073461	8.49157628	6.990144454	1.214792675	0.334960971
0.122180981	1.785985721	6.879891834	7.544963215	6.044647087	1.248205744	0.317298876
0.508947177	7.843206179	6.677836868	7.95966557	6.153445734	1.293529823	0.369795141
0.190056161	1.903469593	9.97855163	10.66646858	9.605190829	1.110490022	0.230535133
0.003210265	0.052264325	6.070411811	6.520117414	5.759796196	1.132004882	0.180545332
0.034457313	0.46652164	7.606219171	8.505057745	6.728807823	1.263976914	0.375267873
0.005975052	0.136627243	4.065750414	5.224377025	3.899757523	1.339667145	0.255475078
0.158257569	1.808561945	8.872159203	9.520797248	8.150304423	1.168152348	0.34434646
0.307280323	4.364046135	6.467857097	7.649130099	4.679972044	1.634439272	0.556895239
0.285416581	4.16166457	7.040289498	7.831972887	6.568757639	1.19230657	0.249830084
0.057318076	0.567469772	10.16151597	10.70574632	9.781415827	1.09449864	0.2483858
0.557864824	9.762654166	5.779162312	6.662959072	5.287690945	1.260088598	0.249792792
0.188818724	2.320618576	9.480530505	11.12392682	7.108027952	1.564980736	0.785129797
0.095544268	1.546827605	6.187928742	6.588423139	5.82465211	1.131127321	0.174664943
0.041330391	1.034383917	4.012429448	4.251514646	3.825376455	1.111397714	0.122381003
0.083629519	1.230154268	7.257387665	8.325158839	6.590958171	1.263118142	0.424217244
0.172873466	2.772625356	6.240469763	6.86222209	5.648879036	1.214793598	0.293567715
0.123569267	2.091670666	5.545705928	6.993595483	4.664042202	1.499470884	0.447498792
0.055210897	1.026954649	5.493919986	7.184971152	4.19613496	1.712283142	0.510167499
0.045314231	0.586023644	7.719451078	8.909773295	6.813926892	1.307582755	0.503440844
0.214649334	4.231760771	4.81763424	6.815781914	2.868876	2.375767344	0.895789138
0.048901148	0.610383098	8.126191812	8.985144939	7.786928565	1.153875352	0.27502254
0.225008449	2.601297795	8.805030531	9.73853214	7.986983425	1.219300407	0.358046277
0.156518086	1.870604557	8.457609302	9.183026222	7.645818124	1.20105214	0.353024945
0.16137591	3.004810934	5.408835694	6.644077323	4.202700628	1.580906639	0.413243858
0.343823601	4.981526369	7.028661255	8.088463222	6.205980874	1.303333572	0.48961286
0.122509785	1.752308178	6.113848698	7.300753868	5.011398187	1.45682973	0.575343112
0.314899398	5.598360043	5.520370692	6.910033424	4.606941137	1.499917889	0.449365173
0.112656252	1.520181853	7.493636039	8.716337558	5.927637846	1.470457168	0.510646755
0.178933371	2.788249027	6.18920651	7.013367648	5.625178905	1.246781261	0.288510826
0.179336422	2.450313253	7.639085187	8.884928209	6.883595128	1.290739511	0.398368922
0.015238151	0.281216445	4.298137002	4.683125533	4.025851333	1.163263406	0.142214842
0.126091281	2.35578049	5.233496554	6.022402816	4.892341443	1.230985794	0.247723947
0.2343564	4.135355771	5.808206337	6.603980532	4.71464159	1.400738615	0.451655102
0.036826121	0.512455525	7.213744093	7.745853766	6.421217768	1.206290465	0.292277746
0.111726407	2.230107933	4.981817445	5.379725795	4.544757566	1.183721181	0.203177272
0.080157625	1.600242929	5.287040157	5.605250025	4.897622046	1.144483991	0.177078656
0.055465456	1.30332489	4.253291328	4.425496703	4.062642812	1.089314741	0.08542297
0.004589123	0.058360777	7.892969421	9.032014885	7.06576542	1.278278339	0.418347736
0.259925382	5.550558246	4.756771076	5.471424521	4.349724228	1.257878485	0.224669145
0.395011061	6.094740223	6.749057957	7.32860698	6.178566	1.186133964	0.269467862
0.041436457	0.583172271	7.27852765	8.434046575	6.618155895	1.274380161	0.37256381
0.066984225	1.72224516	3.829172708	4.076276466	3.542723856	1.150605193	0.089741417
0.106964043	1.860543404	5.884907277	6.599464579	4.909944347	1.344101707	0.402633941

0.019077741	0.332538744	5.937151163	6.984803365	4.975579092	1.403817171	0.430445746
0.028857028	0.381565541	7.449206549	8.099618392	6.369764467	1.271572667	0.385828895
0.016906923	0.415913845	3.835361759	4.429946157	3.628415698	1.220903702	0.171351217
0.108318152	1.163260188	9.48174721	10.37012848	8.718295719	1.189467392	0.370585503
0.014817423	0.298561325	4.876829392	5.544774658	4.231977311	1.310208976	0.251715233
0.181323392	3.624970732	4.321013717	4.968496073	4.022756803	1.235097302	0.172538786
0.695846106	10.17309051	6.711448001	8.489910239	4.981411916	1.704318049	0.509951111
0.024423468	0.385055707	5.72556054	6.842446664	4.332587185	1.57929809	0.450884866
0.036133157	0.575680596	6.423870728	8.147430946	5.34638557	1.523913837	0.49967454
0.280912311	3.540648085	7.897889911	8.916302425	6.550905209	1.361079445	0.405829151
0.226086787	3.521459619	6.448874833	7.314142516	5.391692169	1.356557883	0.364518056
0.215314015	3.153731793	7.000600857	8.059523002	5.957391584	1.352861045	0.485851239
0.004136575	0.048691983	8.554749967	9.269490664	7.988330259	1.160378998	0.319120154
0.03337544	0.566558987	5.839007843	6.569745177	5.214062386	1.260005096	0.327746714
0.317264671	5.347022968	5.380311207	6.240514809	4.456283952	1.400385361	0.398478054
0.1062534	1.49546601	7.09665073	7.732325068	6.579801577	1.175160828	0.325628389
0.12244261	1.813736371	6.647131368	7.93393173	6.034572018	1.314746382	0.450939425
0.381526535	6.722377588	5.933825589	7.527595243	5.470785676	1.375962373	0.387280658
0.192396684	4.458470239	4.199487718	4.762074451	3.866357428	1.231669482	0.161018239
0.117386797	1.682668772	7.046496874	8.206784198	6.643041808	1.235395536	0.337857562
0.103817418	1.692213532	6.287819428	6.807242237	5.504202921	1.236735334	0.303964632
0.040043457	0.904328234	4.255175483	4.600842812	3.919490584	1.173836935	0.15522521
0.045696776	0.753848664	6.127418865	6.767674255	5.572780036	1.214416182	0.264723834
0.035143207	0.618038838	5.812346067	7.327007709	5.300608066	1.382295695	0.401895429
0.186555982	3.227322318	5.888412483	6.459576034	5.456471565	1.183837569	0.203124258
0.048265695	0.678262248	7.035181821	7.94124324	6.257382963	1.269099764	0.386631922
0.002489016	0.033462459	7.217095109	8.009634323	6.157108394	1.300875965	0.407490207
0.023132998	0.3903145	5.84151803	6.746508096	5.164932455	1.306214196	0.267493494
0.004276228	0.061145309	7.0816551	7.822773191	5.758729208	1.358420045	0.370800522
0.092623917	1.369319821	6.56675868	7.246323498	6.071143318	1.193568183	0.203150209
0.242558839	2.831957855	8.917563994	9.613637286	7.912180992	1.215042641	0.370403043
0.023355737	0.370825909	6.366307285	7.081494976	5.394130352	1.312814951	0.29795773
0.093861354	1.365370398	6.708225931	7.395093699	6.076038872	1.217091242	0.339716043
0.10065665	1.266723991	8.171927246	9.708715069	7.135931979	1.360539184	0.472718768
0.085856905	1.691808167	5.088972321	10.41063865	3.55870481	2.92540101	1.296290843
0.123708331	1.711390978	7.358221469	7.982964058	6.722207933	1.187550897	0.289259576
0.028436299	0.398560833	7.601870212	9.852579645	6.616130776	1.489175468	0.568767132
0.105592256	1.237092567	8.872458376	9.509407167	8.069263522	1.178472749	0.289790521
0.019494934	0.242849	7.689953482	8.461514639	6.96823399	1.214298293	0.35027097
0.071545064	1.272402197	5.112050974	6.002288746	4.611754265	1.301519639	0.320157036
0.137567624	2.589832857	5.745317312	7.689029649	4.249675468	1.809321607	0.676602621
0.080076307	1.076834351	7.354015364	8.244719859	6.898817007	1.195091833	0.256237225
0.143348222	2.367443799	6.256463761	6.968477412	5.602775633	1.243754501	0.267168658
0.055090689	0.646776862	8.681428514	9.570370346	7.970393594	1.200739993	0.348956119
0.033083169	0.426141721	8.138317087	9.057613867	7.525895146	1.20352645	0.360299131
0.0028025	0.040550093	6.913559551	7.31524357	6.425116045	1.138538747	0.21310801
0.012501648	0.182194587	7.22890231	8.465803194	6.476034215	1.307251153	0.390154874

0.351605311	5.207877886	6.689374254	8.120064217	5.208539412	1.558990645	0.525128502
0.21204011	2.67356539	7.933710933	8.900047178	7.39258772	1.203914991	0.30781332
0.020612163	0.254603522	8.197576015	8.921862621	7.869412687	1.133739324	0.256212826
0.063756283	1.281041698	5.230337752	6.286479142	4.37902115	1.435590039	0.520437533
0.0697278	1.734701152	4.031823474	5.064289268	3.827127803	1.32326108	0.239918705
0.231223917	4.735122154	5.077726348	5.393596181	4.545941142	1.186464147	0.186209347
0.010415683	0.134167108	7.772245072	8.863581515	6.402460589	1.384402355	0.438434841
0.072167318	1.246752872	5.784120508	6.415427495	5.235999434	1.225253665	0.222062374
0.164748809	3.167691129	5.057784619	6.922448359	4.077268952	1.697814993	0.655325077
0.077788817	1.135337945	6.877586997	7.721268638	5.452096055	1.416201872	0.465137074
0.000106066	0.001516934	7.23713283	7.61698612	6.707785842	1.135544023	0.241076648
0.099871762	1.316193494	7.842453899	8.586499323	7.484095238	1.14729958	0.223457724
0.071368287	1.042176247	6.673179657	8.324587691	4.997749134	1.665667377	0.742703076
0.160796082	2.738245376	6.068213396	6.52817858	5.034044134	1.296805989	0.320387548
0.245712535	5.883554304	4.247942178	4.600361284	3.871213088	1.188351346	0.148062992
0.201486542	3.284520803	6.10396164	6.54426029	5.651272005	1.158015449	0.199022452
0.174273537	2.351756948	7.474435861	8.541096079	6.565782287	1.300849724	0.412055076
0.04668319	1.14727376	4.005542443	4.22402565	3.859126283	1.094134334	0.080660956
0.063776318	1.084356613	6.033690905	7.312055204	5.562473911	1.314532944	0.398034818
0.072572726	0.962304012	7.631637055	8.195373916	7.24466306	1.131229134	0.203268956
0.178777807	3.23075884	5.398509919	5.971741822	5.107604755	1.169186362	0.18351478
0.026469364	0.561370423	4.245982523	5.089858132	3.603174773	1.412603732	0.367608705
0.112842457	1.757545395	6.597340725	7.572297719	5.599442762	1.352330587	0.41243817
0.696995154	9.966884752	6.702815405	8.061125099	5.596660344	1.4403456	0.530245059
0.089434866	2.032319099	4.674010005	5.759236061	3.992585317	1.442482904	0.448976804
0.175357178	2.488917142	7.095665446	7.780592829	6.309161978	1.233221283	0.331917648
0.209501597	3.076748006	6.954847271	7.793074599	6.199231829	1.257103269	0.294537203
0.131320336	1.860701211	7.1622647	8.291323165	6.272443567	1.321864928	0.447853496
0.201954411	2.710806375	8.002193186	8.559241026	7.580708833	1.129081886	0.284454359
0.005084098	0.072309355	7.092398276	7.546039929	6.556640294	1.150900399	0.241866038
0.168647324	2.142610401	8.131753507	9.617309264	6.787691772	1.416874777	0.677939744
0.201904913	3.315153622	5.965858056	6.382311195	5.480380172	1.164574536	0.204058535
0.195345319	3.781442757	4.425029502	4.782264979	3.910641517	1.222885033	0.170599766
0.087228693	1.105283501	7.798774564	8.417476702	7.124333789	1.181510714	0.301270884
0.171501679	2.76694973	6.35746211	7.467328751	5.738423445	1.301285766	0.287660419
0.041669803	0.592465824	7.222537948	8.316885147	6.093648233	1.364844971	0.386734931
0.194534504	3.318921251	5.731220544	6.34322418	5.005059643	1.267362356	0.258229014
0.067507484	1.253865808	5.092161316	5.890745371	4.259325388	1.383023093	0.435920283
0.137829254	2.311567752	6.023180986	6.72429818	5.175743094	1.299194736	0.326555732
0.661250906	13.92746895	4.495081002	5.939441396	3.682746361	1.612775036	0.363329848
0.234278619	3.590616291	6.561767363	7.093507929	6.193153128	1.145379063	0.222287737
0.174344248	2.704227426	6.50982404	7.620595796	6.071538509	1.255134227	0.301560165
0.028001429	0.771384393	3.485725578	3.862478825	3.20190129	1.206307901	0.097671397
0.065572369	1.10960223	5.769064071	8.148247496	4.415935949	1.845191504	0.774681953
0.453368584	9.065027223	4.885995384	5.159123656	4.561116887	1.131109722	0.119335414
0.158837396	2.973598825	5.365029467	5.732300873	4.91435717	1.166439612	0.216772945
0.139554594	1.992118915	7.422507687	9.262340028	6.199969088	1.493933259	0.619453329

0.041715765	0.68604913	6.322036529	7.158923399	5.528038191	1.295020612	0.360198294
0.040257946	0.683055264	5.846658006	6.224175586	5.502242704	1.131207023	0.179563726
0.044448732	0.653862347	6.697362656	7.031000837	6.225776457	1.129337182	0.187521653
0.180107168	2.893028641	6.273535039	6.987424622	5.875267441	1.189294733	0.272648145
0.02882344	0.379849362	7.683248008	8.389177668	7.284087358	1.15171294	0.237788545
0.115076325	1.808882407	6.754438944	7.379460634	6.185853483	1.192957553	0.22731264
0.233745932	3.677944123	6.527205311	7.433915561	5.136962309	1.447142321	0.364555964
0.014488618	0.21568445	6.361761166	7.236539261	5.923109837	1.221746593	0.235617482
0.030872282	0.537841425	5.375438188	6.161325607	4.388275455	1.404042583	0.340071293
0.013293607	0.182017961	7.243875715	7.831381676	6.470489246	1.210322957	0.307448098
0.12886314	1.867388249	6.973568387	7.924687921	6.371431647	1.243784499	0.375708189
0.015641202	0.352967972	4.164989917	4.747246729	3.966150463	1.196940654	0.139046192
0.149814714	2.141317925	7.454874466	8.891476365	6.757806374	1.315734111	0.475779714
0.015902832	0.227396313	6.817571573	7.382383244	6.118838038	1.206500842	0.308079574
0.167930789	2.05175454	8.259081524	9.032092982	6.890952473	1.310717643	0.416003053
0.025123504	0.401004546	6.231106316	6.841176527	5.531067322	1.236863724	0.277745753
0.103612357	1.994942977	5.203363262	5.960834014	4.520285675	1.318685243	0.257646696
0.007010964	0.134136804	5.359502333	6.106151803	4.653059692	1.312287442	0.288157802
0.265299393	3.784425363	6.874428523	7.663569645	5.541806387	1.38286492	0.357514606
0.310398664	5.221559643	5.936155803	7.008275793	5.059724178	1.385110244	0.440218067
0.237293251	4.54802699	4.969125111	6.032949015	3.684422196	1.637420657	0.455710655
0.368954176	5.612030122	5.436250322	7.09135408	3.235822568	2.191515119	0.723724246
0.379581991	6.448687384	6.318294933	8.146715746	5.27651579	1.543957428	0.655658379
0.031498072	0.525196602	6.135489354	7.063422548	5.511917125	1.281481994	0.329323622
0.048427386	0.925744904	5.06508202	5.689610148	4.451063537	1.278258578	0.246742499
0.004730544	0.089075727	5.331898111	5.789413299	5.043273688	1.147947476	0.153084245
0.013689587	0.225950186	6.084129504	6.714707555	5.297999185	1.267404414	0.26683761
0.181658089	2.86589638	6.373232537	7.368003238	5.646626716	1.304850419	0.360081219
0.004391133	0.128907986	3.317928776	4.163817016	3.01280256	1.382041117	0.181574152
0.102591766	1.726087249	5.903603785	6.238579733	5.293430082	1.178551457	0.201100493
0.098061568	2.372967405	3.96070068	4.335838482	3.582609898	1.210245772	0.159599305
0.046958961	0.758478599	6.31457791	6.958797124	5.9394665	1.171619896	0.233786594
0.324307454	6.83103762	4.439597267	5.095339498	3.981310063	1.279814789	0.213625234
0.281951758	4.405151697	6.606581202	7.164356807	6.107044771	1.173129898	0.243693567
0.181238539	2.704170846	7.029546752	8.126356192	6.028919092	1.347896044	0.469943151
0.151271354	2.444574546	6.106538679	6.455642205	5.785035972	1.115920841	0.154495798
0.062607234	1.154751054	4.581782346	4.893689049	4.389012333	1.114986397	0.120810679
0.261056753	3.466633776	7.813313056	8.536129542	6.920065236	1.233533103	0.431655434
0.216120117	3.222456616	6.764105997	7.239335972	5.743543348	1.260430284	0.320388037
0.259963094	4.06936025	5.891022545	6.605918238	4.59615704	1.437269915	0.362804248
0.183048732	2.638380786	6.831397966	7.80776578	6.182181569	1.262946695	0.403188107
0.117245375	1.579294849	7.623476197	8.646272399	6.179231641	1.399247172	0.507445918
0.188521739	3.752458196	5.080896917	6.273914819	4.082869643	1.536643432	0.555078411
0.206096878	3.092644279	6.930656885	8.100444838	6.285051784	1.288842975	0.403461682
0.190685486	2.579244899	7.304390707	7.895621639	6.74734987	1.170181151	0.255015176
0.112186026	1.656866858	6.726174268	7.900326192	5.713985512	1.382629721	0.373797138
0.962082415	15.03646427	6.125299724	6.908923744	5.718033744	1.208269145	0.284396807

0.093497194	1.777209943	5.162528037	5.763588748	4.663396961	1.235920681	0.233161507
0.302745411	4.90360339	5.93492527	7.161606978	5.278095173	1.356854461	0.346072486
0.111456528	1.585393971	5.642183163	7.759918163	3.356981458	2.311576117	0.93746087
0.218987435	3.646287372	6.090713878	6.912312838	4.932145342	1.401481984	0.40941769
0.104185113	2.18710099	4.477506114	5.048325378	4.127524849	1.223087822	0.264240267
0.10701354	1.795746449	5.778831383	6.27502933	5.242557969	1.196940381	0.271892155
0.027376818	0.468314725	5.928756261	6.680207026	5.322811483	1.255014769	0.279352155
0.033886914	0.532935396	6.257183267	6.803554419	5.923076355	1.148652155	0.205456692
0.185549533	2.80747855	6.927657389	7.780758623	5.840573098	1.33219095	0.435433513
0.062352676	1.301030233	4.774249327	5.244541975	4.542125277	1.154644942	0.153089336
0.019261589	0.337876264	6.090619576	7.376148031	5.427821748	1.358951781	0.368323535
0.479906301	6.861655185	6.902380799	7.594557972	6.296778669	1.206102099	0.294640906
0.142308775	2.195852807	6.797107536	7.808022368	5.432116653	1.437381203	0.44124707
0.058992151	0.979710914	5.348122742	6.130140712	4.939293232	1.241096737	0.267772194
0.338566262	5.390133214	5.725822026	6.492687847	5.171018341	1.255591726	0.303939736
0.134781624	2.091113767	6.579318229	7.371120218	5.731020769	1.286179289	0.329459359
0.079358594	1.450412123	5.430110139	5.938427258	5.078860982	1.169243907	0.187577575
0.039965675	0.678114773	5.97649135	6.736277562	5.449354091	1.236160736	0.301329594
0.048535809	0.695368629	7.025331972	7.926895349	6.62167593	1.197113153	0.246184183
0.0704243	1.058039024	6.376478697	6.778300456	5.934947961	1.142099392	0.193821021
0.329663788	3.756049301	9.141456703	9.780887531	7.611441064	1.285024406	0.4838765
0.039470701	0.590697472	6.977629321	7.726441443	6.265528896	1.233166676	0.296768031
0.002776573	0.04656063	6.370010159	7.412796979	5.974155764	1.240810798	0.285770958
0.097764584	1.511816336	6.543449478	7.414137549	5.994619074	1.236798779	0.268234622
0.045565961	0.558665675	8.847996225	9.715515295	8.027709185	1.21024754	0.433366354
0.181323392	2.588303436	7.174928009	7.96584369	6.03238837	1.320512407	0.330430704
0.030511658	0.404125085	7.668196089	8.519590369	6.98278255	1.220085304	0.35705282
0.142696505	2.058564313	6.711078649	7.665524574	5.877154282	1.304291874	0.419743977
0.028482261	0.454157455	6.321207037	7.281081006	5.383098375	1.352581822	0.343826535
0.035529759	0.642131735	5.64393864	7.897539128	4.865891182	1.623040638	0.592725322
0.370927004	4.66594342	7.467584454	8.534850902	6.672367703	1.279133777	0.411885339
0.176331218	2.754053337	7.060128021	8.276454239	6.121209365	1.352094618	0.460228554
0.10355296	1.645026334	6.582373431	7.166484386	6.124368973	1.170158823	0.26401692
0.116403918	2.032504459	5.812100049	6.760125544	5.148768704	1.312959648	0.25920608
0.559795225	9.836231581	5.952133139	6.907841115	4.692517309	1.472097098	0.461676692
0.322881455	4.25578229	7.641207811	8.406602974	6.433998579	1.306590741	0.398535543
0.08072331	0.947552189	8.793448711	9.534142758	8.12868348	1.172901218	0.27885367
0.17617094	2.593436083	6.823166719	7.38237589	6.495001663	1.136624172	0.212910035
0.137284782	1.576954162	8.750154221	9.349059785	8.351153647	1.119493208	0.238429865
0.003054701	0.04988576	6.27454383	7.228939728	4.821360701	1.499356753	0.495225456
0.133827029	2.425412652	5.739634465	6.827225738	4.92849536	1.385255588	0.363816169
0.067047865	0.990766978	6.773675372	7.145407263	6.427239861	1.111738074	0.17173104
0.058795929	0.783915169	7.552915777	8.188112561	6.816902994	1.201148464	0.298829379
0.040067027	0.567508935	7.1170201	8.560603783	6.30092266	1.358627021	0.372828671
0.008623167	0.118789096	7.030418682	7.893389863	6.01067748	1.313227983	0.40483495
0.404033744	6.743763256	5.94978155	6.684670699	4.988606843	1.339987477	0.293561495
0.011080363	0.164857278	6.79093029	7.633992978	6.061105867	1.259504973	0.356827969

0.05330878	0.714129786	7.578437414	8.375092524	7.109544627	1.178006886	0.278092865
0.260031448	2.846327957	9.422026257	9.988642171	8.755340818	1.140862746	0.272687824
0.294775139	4.790547512	5.391319051	6.069906732	5.002393872	1.213400401	0.197960777
0.087985297	2.065490766	4.112834913	4.273521348	3.82497431	1.117267987	0.093567341
0.044995562	0.770560699	5.663504073	6.872955903	5.06426399	1.357148031	0.282645968
0.158307066	2.135683956	7.244234788	8.568850467	6.714676966	1.276137409	0.365642396
0.001890332	0.023572282	7.156803736	9.829959444	4.520252204	2.174648449	1.216592834
0.070438442	0.908373785	7.815100722	8.386273015	7.276354534	1.152537713	0.241259924
0.095415811	1.233034107	7.530314711	8.841397272	6.563398894	1.347076022	0.397509788
0.03290875	0.56575842	6.152506093	6.665145483	5.705051844	1.168288329	0.241403694
0.148184833	2.275629366	6.591865296	7.418664707	5.884106445	1.260797162	0.311576514
0.185884231	2.869811157	6.474044173	7.686365657	5.761985662	1.333978616	0.390175443
0.06123309	1.129501621	5.40816687	5.896157041	4.853466972	1.214834071	0.207401367
0.25322908	4.339006729	6.349215826	7.086545554	5.574152157	1.271322589	0.361402259
0.004966718	0.085088667	5.53236443	5.981446204	5.006410673	1.194757401	0.182456163
0.020093618	0.351275318	5.305470205	5.946686588	4.815442508	1.234920068	0.21841348
0.043900725	0.722211421	6.046880882	7.4446718	5.454618334	1.364838261	0.365068194
0.215844345	3.755363098	5.515299324	6.281111159	4.716041176	1.331860967	0.323237944
0.083841651	1.252735624	5.848491128	7.114205495	4.974718059	1.430072099	0.460669889
0.076371068	1.302550182	5.801511979	6.316065417	5.379341475	1.174133571	0.189610866
0.242294853	4.549113069	4.806792998	6.023982864	3.988051128	1.510507932	0.389467417
0.059736381	1.181082783	4.86622563	7.450150883	4.38433503	1.699265871	0.507162626
0.045976083	0.840422936	5.515361905	6.000146464	5.01184023	1.197194282	0.243879615
0.029882333	0.454497625	6.511852911	7.254305768	5.282839993	1.373182943	0.420306815
0.22369323	3.311362408	6.749932278	7.243588731	6.296093979	1.150489296	0.209419765
0.043388072	0.708637431	5.995709733	8.422134798	3.107962949	2.709856886	1.03249546
0.162378233	2.30691603	7.106662391	8.246685484	5.703048039	1.44601368	0.454813955
0.042451156	0.950346347	4.457696584	5.651323044	3.934940479	1.436190223	0.270590601
0.010401541	0.149620602	7.352082663	8.72680518	6.36592746	1.370861549	0.468297674
0.157034274	2.11087165	7.359538143	8.248813482	6.596388275	1.25050454	0.376712987
0.08663708	1.614506303	5.743730647	6.967898283	5.006501847	1.391769842	0.496605843
0.031204622	0.69090927	4.315274065	4.606123387	3.509967425	1.312298044	0.220011034
0.364635522	5.327415225	6.985489411	7.978732365	5.623133708	1.418912083	0.389788862
0.192667742	3.252068141	5.766897664	6.645025779	4.962868821	1.338948503	0.312782272
0.266819673	5.334517185	4.274965941	4.80820165	4.049242325	1.187432429	0.22047156
0.209657161	3.135482103	6.715067852	7.824389991	5.232466589	1.495354028	0.408587658
0.136704954	1.650807224	8.283520728	9.351148652	7.774521217	1.202794152	0.341992231
0.180623356	2.402581843	7.335159452	8.43052838	6.316396461	1.334705387	0.447892001
0.192622958	2.8484467	6.546825543	7.213109268	5.984524493	1.205293633	0.267944158
0.500476038	6.997507742	7.326013954	7.998829363	6.593542629	1.213130757	0.296389262
0.293364461	5.056630855	5.525018502	6.295875746	5.111068344	1.231812084	0.277886777
0.048426915	0.886220673	5.472790578	6.099417221	5.026064257	1.21355735	0.218821751
0.010323759	0.185177625	5.532565631	5.924333741	4.926668842	1.202502935	0.243157254
0.143097199	2.351030025	6.282512552	7.082926098	5.764058561	1.228808837	0.243591957
0.113582562	1.322497746	8.394119518	9.348072638	7.464263841	1.252377038	0.5017594
0.232565063	3.09714903	7.545005201	8.056819735	6.45228394	1.248677183	0.291453944
0.292148238	4.452139681	6.734939908	7.337806476	5.873746314	1.249254919	0.263694767

0.111836009	1.92538094	5.74938657	6.335173197	5.176886621	1.223741925	0.259953041
0.078286149	1.446920394	5.533751678	6.182606694	5.049435836	1.22441534	0.203198041
0.060432881	1.066282926	5.688918099	6.13457511	5.354681443	1.145647071	0.171434674
0.127844906	1.964860039	6.327478671	7.215491914	5.577071198	1.293777981	0.371479099
0.022978613	0.388620517	5.991860855	6.925262119	5.301717636	1.306229904	0.323525896
0.553289843	12.70530657	4.214796666	8.33987344	3.511429179	2.375065256	0.808138035
0.135106893	2.00423665	6.880406138	7.787778821	6.168809074	1.262444457	0.355330616
0.02181778	0.563937806	3.892613851	4.383004054	3.629219989	1.207698642	0.158976131
0.077286771	1.524988601	5.695216479	6.342019929	4.822789224	1.315010803	0.348091223
0.083442136	1.458956273	5.616493804	6.1304488	5.115908887	1.198310786	0.223476718
0.086970599	1.498030544	6.005367793	7.22481988	5.38545984	1.341541873	0.436962087
0.149259635	2.740935857	5.390615435	6.182492701	4.871788981	1.26903951	0.264196557
0.010019703	0.131863682	7.767934175	9.069908492	7.008592637	1.294112665	0.395268648
0.093517229	1.529533267	6.220879017	6.921464497	5.939754785	1.165277818	0.211696984
0.158137361	2.25260467	7.173818206	7.87196429	6.501760969	1.210743417	0.27860808
0.112896669	1.593547139	6.861381724	7.722846719	5.900243288	1.308903098	0.414976246
0.020598021	0.289384975	7.285628479	8.780525623	6.696260376	1.311258095	0.483281401
0.002531442	0.041448033	6.269274436	6.839646829	5.734979932	1.192619139	0.297224026
0.129121234	2.407423444	5.564324422	6.760884439	4.882045257	1.384846736	0.349714478
0.031605905	0.613463257	5.057176242	5.443274441	4.851282964	1.122027818	0.143169808
0.235551411	3.846722789	6.063895205	6.819062337	5.001733226	1.363339872	0.321719985
0.070533901	1.102070432	6.323040899	6.953776298	5.374969396	1.293733189	0.27765875
0.139052549	2.21393447	5.825847339	6.556850479	4.864849667	1.347801254	0.345909387
0.204866512	3.31390357	6.047631517	7.235661165	4.751909658	1.522684917	0.462725368
0.014856313	0.328464472	4.482750236	5.717123141	3.823899974	1.495102691	0.292498312
0.087617601	1.409765021	6.400094052	7.278378161	5.915133671	1.230467233	0.338183436
0.258037407	4.687790625	5.893500697	6.960766421	4.7632462	1.461349283	0.500539992
0.048313071	0.803093239	6.251054439	7.13592419	4.709465576	1.515230141	0.430217424
0.109335679	1.61303206	7.112795074	8.558284605	6.038872011	1.417199204	0.612026765
0.017373614	0.391288208	4.53014154	5.27623667	3.815239584	1.38293718	0.259820989
0.176331218	2.191229143	8.233001935	9.055684501	7.503215184	1.20690721	0.423717386
0.464210888	6.396895882	7.490332895	8.127475364	6.549054448	1.241015085	0.307728336
0.066627136	1.021409702	6.357475917	7.58894312	5.296907871	1.432711934	0.463751147
0.323508423	3.871924551	8.7737909	10.14069286	7.437084275	1.363530718	0.509517192
0.178890945	2.607485488	6.637883163	7.27851438	5.867212205	1.240540503	0.297633377
0.017401898	0.280736207	5.977800893	6.450935535	5.078339835	1.270284334	0.243479564
0.171628958	2.713854634	6.287433605	7.500109355	5.680367681	1.320356318	0.313505291
0.009234815	0.129964106	7.013816645	7.650148057	5.949846328	1.285772377	0.305638517
0.126430692	1.457400257	8.191576795	9.409666621	7.12068378	1.321455483	0.427590278
0.044077501	0.70644589	6.32227788	7.652854175	4.911613732	1.558114011	0.514481834
0.114452304	2.540825267	4.321510675	4.597366033	3.986182611	1.153325495	0.120127369
0.210654181	3.10430549	6.954703474	7.664936277	6.192583515	1.237760663	0.281531653
0.088406025	1.448732017	6.060437986	6.430867677	5.745978729	1.11919448	0.135986216
0.05902456	0.943484849	6.241673443	6.842370792	5.635506565	1.214153637	0.277291056
0.010578317	0.17629108	5.952179771	6.299048311	5.630106216	1.118815182	0.147594821
0.047984266	0.829788921	5.817792206	6.405061899	4.868842596	1.315520429	0.278944449
0.107027682	1.777376731	5.994469321	6.602588335	5.617870178	1.175283181	0.23941419

0.297826305	6.019893208	4.726251245	6.688753843	3.846150676	1.739077433	0.631515155
0.130249069	2.13971931	6.279009671	7.084371677	5.295578088	1.33779005	0.411845906
0.117103954	1.709490907	6.832394245	7.54753806	6.062291014	1.244997649	0.328473064
0.302764268	4.427072669	6.375044702	9.955790245	3.803244888	2.617709492	1.109854134
0.155991291	3.035747393	5.163057036	5.580567092	4.40904783	1.265707996	0.171629951
0.174096761	3.228344278	5.102732025	6.905866795	1.469423352	4.699712159	0.893424509
0.036444284	0.486863887	8.213331808	9.680163737	7.116691885	1.360205541	0.529893226
0.207511092	2.758621963	7.72499312	8.211790637	6.81228576	1.205438369	0.266289565
0.167181256	2.062028384	8.103596229	9.085067455	7.406700026	1.226601243	0.311765384
0.169620775	2.36051901	7.484710048	8.824986804	6.730294059	1.311233466	0.517418627
0.177331774	2.842139493	5.982446878	6.394754777	5.560693714	1.149992268	0.211299182
0.394254457	5.802289308	6.912533985	7.651130991	5.515806537	1.387128236	0.39071276
0.075197271	1.460102002	5.150877653	5.506979562	4.771887368	1.154046426	0.155378925
0.423723132	6.292667093	6.718933701	7.200283019	6.195074412	1.162259327	0.24776627
0.075250304	1.132275628	7.308431965	9.004712656	6.377070753	1.41204528	0.619156168
0.080185909	1.323123746	6.039904047	6.484073804	5.789847862	1.119904004	0.134264895
0.080482894	1.15415803	6.848786769	7.292598402	6.360515579	1.146542023	0.214248722
0.135828142	2.216477263	6.08364238	6.470702145	5.799546955	1.115725452	0.148997412
0.086470321	1.326812271	6.787692349	7.275000635	6.133901531	1.186031533	0.256754247
0.008396893	0.123798685	6.967584379	7.912270374	6.351084438	1.245814073	0.343941248
0.123357135	2.124910962	5.87633223	6.681457187	4.211378121	1.586525122	0.453237452
0.156659507	1.920089418	8.291613187	9.079810385	7.574414835	1.198747439	0.373187648
0.091400623	1.456514129	6.434574719	7.271655588	5.880484764	1.236574174	0.292669245
0.278939483	3.819815897	7.368006104	8.530746596	6.436419775	1.325386922	0.400405702
0	0	4.112668233	4.551380734	3.918659214	1.161463778	0.164894391
0.072082465	1.02013214	7.136043117	7.685723165	6.59668724	1.165088307	0.267457169
0.129312153	1.968462676	6.581018708	8.681125134	5.583862949	1.554680911	0.485633179
0.10463059	1.432755357	7.296103754	8.969084818	5.222207686	1.717489108	0.779191427
0.155726126	2.342549296	6.561177405	7.459668063	5.925295853	1.258952844	0.287331091
0.202982073	2.875647882	6.965225252	7.678961716	6.085576306	1.26182983	0.252921324
0.057912045	1.176499448	4.68603786	5.573258707	3.650522393	1.52670169	0.35342319
0.213788078	3.189141488	6.452864895	7.735519815	5.364470522	1.441991299	0.546305926
0.025663262	0.491105797	5.270525785	5.550415606	5.010099977	1.107845279	0.135573938
0.022958343	0.315919627	7.62068321	8.707562536	6.865469301	1.268312792	0.396175617
0.057003413	0.786911302	7.299110721	8.090089839	6.781407796	1.19298088	0.321176749
0.026721565	0.37865311	7.14662599	8.039234068	6.325533442	1.270917962	0.33190005
0.02761252	0.394529971	7.791062031	8.746571782	6.408296311	1.364882545	0.559227665
0.125313464	1.749304001	7.071074791	7.732814448	6.559867556	1.17880649	0.271289782
0.263541054	4.027061406	6.547642253	8.1202859	5.103302323	1.591182608	0.555293899
0.168949023	3.27602226	4.837246189	5.557599182	4.479505099	1.240672588	0.192837976
0.11065514	2.446567241	4.422683819	5.753088019	3.902104061	1.474355355	0.35785626
0.160866793	2.909323506	5.583708724	7.154622586	4.999103599	1.4311811	0.376750781
0.579933627	8.715212608	6.978343623	7.884835547	5.656589172	1.393920489	0.400539599
0.434322663	5.185044805	8.317690289	9.098469472	7.46790075	1.218343652	0.367809354
0.11025916	1.615955426	6.904184017	7.805544125	6.251377583	1.248611849	0.352126666
0.191780087	2.773338114	7.067053065	7.996267051	5.815875966	1.374903299	0.467115997
0.402600674	4.739120283	9.057421652	10.01145659	8.096008861	1.236591605	0.453880286

0.39371352	5.414671569	7.529256183	8.614757183	6.845830337	1.258394783	0.359422388
0.06376689	1.098883693	6.228373034	9.69997103	4.22157911	2.297711538	1.251731903
0.27107292	4.118999354	6.506123059	6.976539778	5.955728552	1.171399891	0.223213073
0.08297191	0.86766995	9.707983592	10.47905296	8.823051059	1.187690391	0.342093454
0.023150676	0.233433276	9.988639084	10.46155301	9.478780333	1.103681344	0.246228007
0.0414506	0.439938362	9.6031209	10.51063784	8.85830326	1.186529466	0.366456734
0.479241621	8.333757624	5.868166333	6.424996953	5.358812305	1.198959133	0.190737499
0.209614734	3.808312421	5.821666592	6.368000397	5.313705362	1.198410518	0.196661921
0.068384297	0.862818925	7.877196351	8.531293484	7.025031345	1.214413583	0.407461869
0.162478996	2.026201971	8.332649853	9.463389214	7.341662456	1.288998135	0.589647886
0.007594327	0.139664758	5.254380736	5.702883366	4.993912072	1.141967116	0.157550851
0.005953839	0.098274259	6.6019269	8.979685508	4.231319873	2.122194913	0.759895413
0.002817821	0.042721834	6.830342836	7.850193439	5.970739214	1.314777477	0.365690552
0.162160798	3.324250794	3.988407145	4.940006654	3.356620274	1.471720436	0.280827156
0.103092633	2.027131051	5.05902045	5.549009594	4.479783148	1.238678171	0.243592824
0.086592296	1.31743063	6.13340123	7.623514444	4.597412365	1.658218545	0.613132841
0.109173751	2.083328024	5.307678813	5.685029306	4.880466422	1.164853687	0.178731832
0.068444401	0.975441889	7.430129945	9.247292773	6.62397204	1.396034391	0.578124471
0.280502189	3.779426554	7.559059588	8.256499088	6.640828713	1.243293487	0.409616333
0.002998133	0.046076607	7.504465839	8.704951722	6.381991459	1.36398674	0.50770783
0.234250334	3.49030769	6.843308723	7.342213746	6.261423903	1.172610873	0.253866112
0.016694791	0.262158617	6.278207801	7.048964987	5.837285258	1.207575898	0.256730688
0.452442274	6.338222443	7.36720252	8.739945912	6.538039649	1.336783865	0.441590046
0.131222519	1.793041322	7.259077809	8.323422943	6.458548832	1.288745066	0.34125047
0.018200929	0.34584606	5.379349676	6.158900694	4.756883935	1.29473428	0.347737076
0.153608342	2.540825684	6.014288849	6.493099619	5.239430951	1.23927573	0.300707029
0.347359135	5.623615113	6.273027424	7.718652027	5.537174205	1.393969513	0.427553162
0.033615856	0.558234943	6.73285911	8.065085926	5.567251117	1.448665734	0.582629659
0.033085526	0.803626939	4.098500802	4.593068359	3.630706737	1.265061789	0.17085956
0.030412663	0.624069085	4.840022925	5.63694121	4.542385913	1.24096484	0.223642377
0.16389321	2.314458046	7.212114414	8.219291013	6.577425683	1.249621267	0.406128232
0.078407535	1.617403751	4.289572886	4.737129344	4.002910538	1.183421238	0.15193007
0.007030998	0.130922356	5.478460556	5.905866896	5.201627489	1.135388281	0.189662933
0.010260119	0.196632281	4.540363892	5.407761919	3.847902342	1.405379201	0.420943022
0.32831675	5.598600608	6.173861602	7.13983681	5.119689376	1.394583985	0.387768947
0.306749993	3.858051241	7.85087316	9.55160858	7.049516226	1.354931072	0.464659437
0.016602867	0.366588945	4.447026909	4.858738069	4.228159764	1.149137767	0.156656729
0.12476192	1.632236995	8.227738796	9.296791587	7.550807815	1.231231388	0.459110112
0.042914311	0.666281513	6.493141658	7.001860334	6.090012594	1.149728383	0.220873636
0.07628268	1.328633901	6.235791712	7.521256391	5.810036782	1.294528189	0.338107847
0.096489434	1.444041931	6.921591045	7.846684635	6.43562713	1.219257188	0.326417922
0.236286802	3.237947386	7.118703886	7.910335502	6.469600834	1.222692977	0.327201917
0.106360645	1.773889792	6.302498096	7.57197268	5.416285253	1.398001089	0.492329513
0.088105505	1.246131337	7.669184694	11.12855064	5.307351794	2.096817975	1.224812044
0.070293485	0.857425958	8.289675828	8.94234234	7.74461441	1.15465301	0.27200631
0.134514691	2.12483039	6.006481657	6.86996316	5.635562808	1.219037636	0.226824455
0.164052309	3.412912402	4.88831092	5.169668133	4.657321498	1.110008861	0.120083405

0.144334636	3.920910268	3.775064838	4.034313118	3.424778389	1.17797786	0.140855159
0.083728514	1.150477375	7.06476244	7.817592706	5.815477057	1.344273673	0.438172965
0.408626402	5.447906421	7.50067056	8.348878191	6.931939934	1.204407175	0.268715501
0.190195225	2.563561412	7.39756804	8.074157694	6.749956446	1.196179229	0.270215381
0.081486985	1.177804629	6.581884846	9.515869577	4.776447812	1.992248205	0.913495208
0.129864874	1.681164735	8.082589607	8.952253058	7.319038	1.223146137	0.43771107
0.059623244	1.065829658	6.010434834	7.426933355	5.395931303	1.376395091	0.449690318
0.221586052	3.223525949	6.790031938	7.476089838	5.944277205	1.257695356	0.285398905
0.344665058	5.142097421	6.404660431	8.552198245	3.765606993	2.271134046	0.937514027
0.167754013	2.53303024	6.485171285	7.333737889	5.755956048	1.274112906	0.320451652
0.341889664	5.049602912	6.985071923	9.132560497	5.780799353	1.579809286	0.748264461
0.216325178	2.566517812	7.78436782	10.27131488	6.392273441	1.606832839	0.616974183
0.172470415	2.332130573	7.506296364	7.98536008	6.875164783	1.161479082	0.255164574
0.032060221	0.564851184	5.493770075	5.724881867	5.259969876	1.088386816	0.133848512
0.089786062	2.021032206	4.572738035	6.15759868	4.083921246	1.507766264	0.438945995
0.131755207	1.893139438	7.014027332	8.153341263	6.141575103	1.327565181	0.497828821
0.012734993	0.226813859	5.674953988	6.496952296	4.517922018	1.438039937	0.416341833
0.205601903	2.310724032	9.337216903	10.90805619	8.46632341	1.288405328	0.532368434
0.271384047	5.266846363	5.535611472	6.02781985	4.866007992	1.238760779	0.253569923
0.000469047	0.005871264	7.515723203	9.031129615	5.865096209	1.539809287	0.584845029
0.083940646	1.099746952	7.671396887	8.570376308	7.143919097	1.199674323	0.329882133
0.127805308	2.142550329	6.234100149	6.846950923	5.847936918	1.170831871	0.250692907
0.157126198	1.932463941	8.364222678	9.160513217	7.5622351	1.211349964	0.304258854
0.145409438	2.113041816	6.381014259	9.269131669	4.114099393	2.253015978	1.318102217
0.039555553	0.747478887	5.953271718	8.545099073	3.097747465	2.758487956	1.020112926
0.307360462	5.040127204	5.952967901	7.222722317	5.539170823	1.303935652	0.312475496
0.05420327	0.785889838	7.15874429	8.468728343	6.085192525	1.391694397	0.543769223
0.41311653	5.721275404	7.055147294	7.929119516	5.645433008	1.404519282	0.455976666
0.131835345	2.251560233	5.868613876	6.342366323	5.584864716	1.135634728	0.179788027
0.046403883	0.657211857	7.203106943	7.946827236	6.651655136	1.194714259	0.272285148
0.228932891	3.944846208	5.678660755	6.248547442	5.353179254	1.167259146	0.172393427
0.288294506	4.531561175	6.59665584	7.657729606	6.128583526	1.249510523	0.376647203
0.151285496	2.635708836	5.877936897	6.584846446	5.133301032	1.282770366	0.288261661
0.057250901	0.787604655	7.420919554	8.549134682	6.89921824	1.23914542	0.3435453
0.141866834	2.216215572	6.27663265	7.372339774	5.8072478	1.269506663	0.345396419
0.023101179	0.53960505	4.29546596	4.651705339	4.045469308	1.149855551	0.113380465
0.207514627	4.710488538	4.299675731	4.53259861	4.086268782	1.109226743	0.098724609
0.254480659	3.846540935	6.840230713	7.669255892	6.231106518	1.230801603	0.331441658
0.346786379	5.670418147	6.466102445	7.1636841	5.777135173	1.240006315	0.293415917
0.147997449	1.985086753	7.512001573	7.863669362	6.978425857	1.126854325	0.22410983
0.087117912	1.463891247	6.020068519	6.786148933	5.262646127	1.289493682	0.328965302
0.00543058	0.102843105	5.873531436	6.751414657	5.350256258	1.261886222	0.258761129
0.129174267	1.981212882	6.535532342	7.192698033	5.851594463	1.229186007	0.250224628
0.223571254	3.41805676	6.613535909	7.207220193	5.913619164	1.218749465	0.311148826
0.030737932	0.758280916	4.466574035	5.177406963	4.180028561	1.238605643	0.216862598
1.221583533	16.61260032	6.821825082	10.45496112	5.059708634	2.066316833	1.266142202
0.408318811	6.498325904	6.118271773	7.213727582	5.277069476	1.366994999	0.383891443

0.43589244	5.644513955	7.63269794	8.460852115	7.054267611	1.199394832	0.314161494
0.411458365	5.917920621	7.108086197	8.404963918	6.073388077	1.383900355	0.454556364
0.156008969	2.81396203	6.279837728	7.547500253	5.152771132	1.464745874	0.580350423
0.002722361	0.042960192	4.849322862	5.876934662	3.666268985	1.602974218	0.675641969
0.229944054	3.803076623	6.062868073	6.513910957	5.164137768	1.261374357	0.275554288
0.287290414	4.203062594	6.941152925	7.58144025	6.267225601	1.2096964	0.242855794
0.126579185	1.546072606	8.285294007	8.963370953	7.128685962	1.257366505	0.343885392
0.493189302	7.509596388	7.417739834	8.385531968	6.577961373	1.274791914	0.427153942
0.103748475	1.605128292	6.446980629	7.008454167	5.834712808	1.201165233	0.297285369
0.270086506	4.53088803	5.404814862	6.830431334	4.73404505	1.442831925	0.437048542
0.181514311	2.521484321	7.482663437	8.258464344	6.722234744	1.228529597	0.405362734
0.28130122	3.494734481	8.164978611	9.110822586	7.703876684	1.1826283	0.298689398
0.026834702	0.620359735	4.354587646	5.236699967	4.099517928	1.277394089	0.239261239
0.243821025	3.512301894	7.262292789	7.820499467	6.336166639	1.23426354	0.326776121
0.242360849	3.094665939	8.329115341	8.774164243	7.613208526	1.152492305	0.265260272
0.401555334	5.566145735	7.519178067	8.494002837	6.65298468	1.276720637	0.501867286
0.173714923	2.174066619	8.153992581	8.855912244	7.517636664	1.178018125	0.371568089
0.097195363	1.354997187	7.247072976	8.118466893	6.742011458	1.204160946	0.319418341
0.378280915	4.308613146	8.597533637	9.405725553	7.349194072	1.279830885	0.478186548
0.231032999	4.839993362	4.754439734	5.331301302	4.475969309	1.191094249	0.208786855
0.150125841	2.507769056	6.042160069	6.666546272	5.420974315	1.22976902	0.257309334
0.17707368	3.95760284	4.473649761	5.376058563	3.76116689	1.429359217	0.358761866
0.216813081	2.990945334	7.24576523	8.338562314	6.747722612	1.235759499	0.258824663
0.185488251	2.540604985	7.195611317	7.640497674	6.641904698	1.150347381	0.219567089
0.255216051	3.208448747	7.665958448	8.215734995	6.860518961	1.197538414	0.29107058
0.163179032	2.051976852	8.119206827	9.659315512	7.555119054	1.27851268	0.411022467
0.694371788	7.83022059	8.876803798	10.9262058	6.536930825	1.671458072	0.898337421
0.010542962	0.162105486	6.624038209	7.468897247	6.153661818	1.213732159	0.334729277
0.060920785	1.074327326	5.711192085	6.773024901	5.163034014	1.311830386	0.381225269
0.076360461	1.325115605	5.984768438	7.189428857	4.682727837	1.535307861	0.453962376
0.054850273	0.883223705	6.696649009	7.987188113	5.72751601	1.394529164	0.447036724
0.129622101	1.89091085	7.00453133	8.185959571	6.108122944	1.340175967	0.421262764
0.051724861	0.605679241	8.991744089	10.01517831	8.247013914	1.21440056	0.381778863
0.005395225	0.073182942	7.571901033	8.287295336	7.097534816	1.167630107	0.298880261
0.132009765	1.963744342	5.567340836	5.764293594	5.229334857	1.102299576	0.125249205
0.253243223	3.844151652	6.671676749	8.153585794	5.57019884	1.463787206	0.453890511
0.08330425	0.977944624	8.678333353	9.683687991	8.163244252	1.186254838	0.312068507
0.144468986	1.926081614	7.584610199	8.397533169	7.062885129	1.188966409	0.266174626
0.128566155	2.287256668	4.607841094	5.89507728	3.818857903	1.543675473	0.466911476
0.145098311	3.303892398	4.62850725	8.58071801	2.743801648	3.127309883	1.303705914
0.180658712	2.948595877	6.060441054	6.586225077	5.652272507	1.16523488	0.20998059
0.111546095	1.733473707	6.55800463	7.541969846	5.639094873	1.337443334	0.42384148
0.08012934	1.166084864	6.994268778	7.766878885	6.121387484	1.268810201	0.355831984
0.326308566	4.300253589	7.466837093	9.28185844	4.580440978	2.026411536	0.852882906
0.050551064	0.751375496	6.92670566	7.903580285	6.343943691	1.245846538	0.3227749
0.071403643	1.084832868	6.744178858	7.105018484	6.402169645	1.109782914	0.163412323
0.016164461	0.311001634	5.162445301	6.08706257	4.640729109	1.311660825	0.253621352

0.271477149	3.559755351	7.764190823	8.983012407	5.904597018	1.5213591	0.618891264
0.030571762	0.703067249	4.406606913	4.97094903	3.917895764	1.268780317	0.220686486
0.032183965	0.478350587	7.098268101	8.029274886	6.311886789	1.272087912	0.352975074
0.021481904	0.315075375	7.213066909	8.771142071	6.140929926	1.428308445	0.46861461
0.139056084	2.136516794	6.606523185	7.818438458	6.103968336	1.280877952	0.340266356
0.246356003	2.809027631	8.939410868	9.750993063	7.998363563	1.21912351	0.406923364
0.18806212	3.525806299	5.506497262	6.668016956	4.647937595	1.434618435	0.350730649
0.220468823	2.838539905	7.637746654	9.108012372	6.812758674	1.336905182	0.4991933
0.092751196	1.183805221	7.459495618	8.355894571	6.86672705	1.216867149	0.341176122
0.448850171	5.717153417	8.283416851	9.530742124	7.290063477	1.30736065	0.416356772
0.028213561	0.464558701	6.111261662	7.576613247	5.430909766	1.395090984	0.376835029
0.035737177	0.583342225	6.16567518	6.603335217	5.757810752	1.146848256	0.158467795
0.233175532	3.670109849	6.270516927	7.09873124	5.235061622	1.355997647	0.354209998
0.27348769	4.401392171	5.404296203	6.394861775	4.964201834	1.288195361	0.332059045
0.155224081	1.968888836	7.889890656	8.608854576	7.182655933	1.198561459	0.278377455
0.011737973	0.245661561	4.955443414	6.155796046	4.641749759	1.326180076	0.260362125
0.026587215	0.304373143	8.730400582	9.452162925	8.263728865	1.143813293	0.296301709
0.055069476	0.939995053	5.75923795	6.301882053	5.334798459	1.181278375	0.231383279
0.056151349	0.796628827	7.481331402	8.231473337	5.748946117	1.431823011	0.512009935
0.082978981	1.192173621	6.631056825	9.394790508	4.315158824	2.177159843	1.095788619
0.048641875	0.60554941	8.279975673	8.991568124	7.818970405	1.149968303	0.238051842
0.271479507	4.919725206	5.543439096	6.233423723	5.077304484	1.22770335	0.233140303
0.100663721	1.41113181	7.400919779	8.797946055	6.037311495	1.457262237	0.57530261
0.211647666	3.931904215	5.196744363	6.30322329	4.35568696	1.447124954	0.484655534
0.018243355	0.313870232	5.732589312	6.44419419	5.335347125	1.207830351	0.178801947
0.058452982	0.935964927	6.641281487	8.903122383	3.184861234	2.795450642	1.060356207
0.383464007	8.54780337	4.085385819	5.007001252	3.747810065	1.335980523	0.223447806
0.028743891	0.403465762	7.756882762	9.582190743	5.24665798	1.826341793	0.933940208
0.101095057	1.818033729	5.679051158	6.642595901	4.820850059	1.377888924	0.353900672
0.023762323	0.376867808	6.414007634	7.05707277	4.887155756	1.444004063	0.349796749
0.045413933	1.038960054	4.014544224	4.27235211	3.703857444	1.153487189	0.115486234
0.07244309	1.087186908	6.596424648	7.442766537	5.478963902	1.358425912	0.463184501
0.041804153	0.967860375	4.164291881	4.698344438	3.940787146	1.192235019	0.16121984
0.393342289	6.473713522	6.115047115	6.698750325	5.693475976	1.176566012	0.284139695
0.36768492	7.405387408	3.925687265	10.24512108	2.551015426	4.016095308	1.466587704
0.209129188	3.811096931	5.651117645	6.377243928	5.28916419	1.205718654	0.27051161
0.072998169	1.604095927	5.046467728	9.547996092	3.611881914	2.643496194	1.274900569
0.17680498	3.390428579	5.47308509	6.06925133	4.457526199	1.3615739	0.307155078
0.156772644	2.845049535	5.380793127	6.331093993	4.367421087	1.449618406	0.435986192
0.318916943	4.708313926	6.981288511	8.353760501	5.988394582	1.39499166	0.563163795
0.122195123	1.760477775	6.852512125	7.836846301	5.805920323	1.349802592	0.363710496
0.041210183	0.52504192	7.767539141	8.488524723	6.624104578	1.28145995	0.417053346
0.111206683	2.61916925	4.194327795	4.482261648	4.022736284	1.114232038	0.12664134
0.092828978	1.270163129	7.313497806	8.681037155	5.833538637	1.488125424	0.502480075
0.027258966	0.584748948	4.612056119	4.935287739	4.381141997	1.126484314	0.154623407
0.122279976	2.171068662	5.662602586	6.060643694	5.251613271	1.154053694	0.181940697
0.336384838	4.767874893	7.142541323	7.839249149	6.498524662	1.206312133	0.320193568

0.065803357	0.847439897	7.95402994	8.456836217	7.395700137	1.143480139	0.292901905
0.034542166	0.479300144	7.376640621	8.11158015	7.022098525	1.155150433	0.219575523
0.068924055	1.017303825	6.922512743	7.545563735	6.498499442	1.161124011	0.251658681
0.009927779	0.218311497	4.545582456	5.120323737	3.936080566	1.300868631	0.248051768
0.060747544	1.071811447	5.990364691	10.56255397	4.258638825	2.480265269	1.136763342
0.219033397	4.076368359	5.12271415	5.77696033	4.659542645	1.239812739	0.235028718
0.191709376	2.690536075	7.101789032	8.72603217	6.222325871	1.402374667	0.555963439
0.046188215	0.685513756	6.812367935	7.39713038	6.42222298	1.151802173	0.204823422
0.117464578	1.446587556	8.497683257	10.65899768	7.446223582	1.431463555	0.698261808
0.161948666	2.005017382	7.968334539	8.818299077	7.318946551	1.204859062	0.332857445
0.066361971	0.922457076	7.049565542	7.452378541	6.403381115	1.163819302	0.212901444
0.071709113	0.919381272	8.197885738	8.82570401	7.561392962	1.167206103	0.350694093
0.02718472	0.404447407	7.27532463	8.048760826	6.438184814	1.250159953	0.304192597
0.091237988	1.52243145	6.084283097	6.540224865	5.730358787	1.141329035	0.210653659
0.015768481	0.230020481	6.904389856	7.944098886	6.111157985	1.299933483	0.364664654
0.060054579	1.704101576	3.504458628	3.664271829	3.268790368	1.120987098	0.085328314
0.17296539	3.020680702	5.671714052	5.944099089	5.29336262	1.122934421	0.141169007
0.168036855	2.797510528	6.141631246	7.082720209	5.838059173	1.213197743	0.270239603
0.170370308	2.173319416	8.013718018	9.098239878	7.180506858	1.267074882	0.424259
0.055847294	1.356568344	4.05931199	4.393663764	3.67306542	1.196184457	0.15513491
0.278101562	4.236024393	6.26909667	7.519893501	5.769108998	1.303475719	0.364546524
0.081511734	0.936854842	8.877020758	9.605398864	8.177786778	1.174571938	0.298900107
0.029719698	0.508397159	6.145101424	7.166697328	5.428739984	1.320140097	0.371460957
0.095763471	1.356857188	7.337831817	8.59470666	6.566728993	1.308826155	0.424185497
0.099072731	2.045428143	4.778909145	5.40127496	4.222521925	1.279158535	0.19241052
0.258935432	3.516410669	7.737495539	8.624734637	6.267672379	1.376066603	0.485369433
0.131550146	2.183322002	5.968664443	8.004893375	4.324621848	1.851004239	0.594105289
0.11959297	1.632016126	7.309888196	8.046986457	6.704228107	1.200285302	0.30362846
0.023094107	0.294558371	8.205546234	9.194517954	7.313581092	1.257184113	0.45492536
0.034538631	0.575886696	5.965338829	6.599907069	5.307971006	1.243395464	0.245728899
0.236145381	2.855560226	9.334302866	11.55614566	4.477432696	2.580975851	1.424815704
0.028814601	0.391121475	7.917947808	8.8960395	6.480521193	1.372735191	0.518650992
0.163992205	2.137282841	7.805790431	8.56719238	7.358780305	1.164213637	0.245014865
0.014248202	0.288669424	4.889729233	5.238477363	4.683534216	1.118488116	0.13805402
0.312237141	4.337964037	7.516089281	8.401361847	6.824323276	1.231090836	0.401203439
0.010366185	0.204583734	4.923556312	7.65931616	4.219059511	1.81540842	0.671585503
0.075861951	1.43036265	5.113435322	7.387490672	4.512024934	1.637289417	0.596896626
0.073040595	1.15187308	6.449464865	7.146875933	5.871685966	1.217176118	0.23438569
0.060945533	1.520580281	3.854530804	4.011523814	3.63949012	1.102221378	0.094911121
0.145079455	2.555839773	5.713792458	6.765940496	4.754611619	1.423026956	0.385291505
0.104998286	2.807395968	3.656981475	3.94427036	3.196622899	1.233886662	0.148660157
0.073100699	1.43042233	4.556746034	5.044481987	3.598045588	1.402006135	0.375864142
0.173516933	3.937773805	4.008378473	5.272642869	3.596138746	1.466195617	0.254493369
0.301156778	3.819349094	7.940454602	8.54351458	6.97636905	1.224636271	0.327239072
0.119801566	1.925416232	6.465815667	7.108805919	6.055085838	1.174022319	0.23680423
0.086903423	1.039017596	8.412542154	8.931209342	7.43332099	1.201509978	0.318737501
0.049080282	0.82773454	6.115305928	6.421410736	5.770557414	1.11278864	0.175650785

0.009470517	0.242294412	3.93794538	4.245836353	3.636494732	1.167562905	0.11632274
0.267738912	3.626229237	6.976163658	8.962253974	3.586170844	2.499115175	1.0119924
0.0718173	1.812121969	3.927442589	4.422374074	3.738952192	1.182784333	0.126616063
0.298169252	4.026854285	7.60437488	8.267296248	7.092828867	1.165585185	0.248939062
0.224513474	2.244722449	10.03713459	10.87659554	9.019731385	1.205866902	0.442038728
0.004530197	0.072318678	6.530078815	7.634385075	5.516207932	1.383991534	0.441593823
0.141304684	1.974524899	7.168267375	8.099875467	6.24682664	1.296638427	0.352503515
0.077711035	1.587724497	4.832449044	5.266478983	4.607498113	1.143023579	0.179473795
0.091839029	1.624164711	5.693081604	6.067950875	5.288566812	1.147371507	0.168296721
0.051102607	0.847482222	6.010691722	6.980925689	5.160928619	1.352649146	0.317854009
0.233663436	3.422639651	6.709823985	7.350869313	6.013555654	1.222383185	0.30236032
0.334991838	3.879795306	8.599083946	9.309672735	8.140541413	1.143618374	0.262525117
0.218941473	5.974867271	3.922630943	4.300195227	3.634864644	1.183041364	0.128200459
0.039173716	0.789358158	4.662048853	4.994700381	4.494897798	1.111193314	0.130573655
0.292346228	4.919615001	5.770181945	6.368574703	4.96563079	1.282530855	0.325469565
0.071923366	1.109743344	6.408258478	7.466300675	5.6921455	1.31168479	0.345973319
0.154693751	2.834925634	5.100497448	5.499265125	4.751406488	1.157397318	0.131658635
0.067773828	1.005274059	6.814907223	8.272113381	6.292601693	1.314577624	0.407345262
0.021085924	0.348100054	5.960441937	6.899981862	5.419334167	1.273215795	0.36933347
0.023094107	0.236841825	9.61661752	10.49636874	8.534745802	1.229839645	0.413282364
0.039286853	0.464009127	8.74304273	9.479208839	8.190628031	1.15732381	0.303248095
0.259833458	5.444431922	4.827590097	6.275226047	3.839494486	1.634388608	0.680896215
0.370014836	7.018124067	5.429497467	7.189066648	4.068981597	1.766797533	0.582764764
0.117913591	1.63843113	7.18049515	7.768079335	6.56474597	1.18330235	0.273142266
0.058445911	0.788971741	7.311596345	8.18873799	6.740991381	1.21476761	0.324451284
0.293965502	5.02670118	5.989629641	7.019365571	5.295879291	1.325439117	0.344995485
0.078036304	1.25257738	6.268133476	6.868587036	5.792875743	1.185695558	0.219361105
0.170992562	2.55063763	7.177292921	9.286179977	6.073121429	1.529062128	0.667126783
0.117535289	2.651129544	4.234872635	4.649414224	3.895287805	1.193599666	0.13997883
0.104487755	1.789859988	5.555955734	6.119869096	5.025353846	1.217798643	0.233004041
0.032196929	0.687703603	4.736041688	5.18187363	4.321821699	1.199002178	0.205627667
0.124068956	2.158355203	5.798388406	6.784441859	4.541290195	1.493945898	0.426325332
0.00192333	0.027171397	6.048218709	7.156544144	5.236809962	1.366584657	0.459148205
0.009298454	0.184177213	4.3605178	5.455716661	3.911213582	1.39489101	0.308121524
0.120125657	1.429033676	8.593650729	9.312356643	7.57911141	1.22868713	0.400033259
0.219733432	3.902981272	5.961158071	6.699552346	5.072995213	1.320630528	0.328420831
0.341437116	5.116020044	6.863310735	7.449018263	6.022740155	1.236815481	0.36721269
0.032739044	0.529730736	6.10704816	6.536344003	4.796810458	1.362643794	0.268489486
0.138557574	1.945866163	7.101810141	8.003134378	6.589223186	1.214579345	0.257873821
0.145133667	2.998030053	4.398201664	5.035232871	4.126323101	1.22027111	0.273818565
0.259882955	3.688764915	6.191044541	7.187340311	4.967181023	1.446965649	0.435425773
0.052410755	0.574581759	9.307739366	10.23044215	8.706283164	1.175064257	0.292633688
0.044469945	0.60806118	7.319364523	8.149269766	6.777509624	1.202398848	0.289678462
0.131383975	2.267730126	5.833186075	6.573814833	5.066862376	1.297413339	0.243732954
0.112493618	1.693959296	7.012640377	8.777356431	5.751015511	1.526227223	0.628431035
0.151914821	3.165066757	4.781378981	5.205380932	4.603816431	1.130666483	0.16697622
0.073277476	1.484570574	5.020775337	7.035069673	3.714864169	1.893762289	0.716459391

0.070837957	0.867556302	8.252535272	8.781327102	6.972087044	1.259497629	0.338000716
0.219804143	2.968240574	7.68518205	8.472706857	6.916294016	1.225035668	0.42714949
0.068525718	1.378359077	5.031720402	5.848235956	4.476976299	1.306291471	0.25963819
0.005646248	0.120695045	4.679097237	4.949386925	4.338705611	1.140751959	0.1242627
0.027456956	0.564204123	4.791379528	5.127435286	4.586830773	1.117860139	0.095838494
0.063742141	1.554057626	4.048200095	4.197453949	3.839699679	1.093172461	0.082459671
0.258949574	4.738440064	5.625493842	8.453018863	4.829091523	1.750436666	0.708682613
0.088345921	2.067279251	4.158411679	4.450171369	3.890838414	1.143756408	0.162842769
0.122382506	2.039187392	6.437397681	8.02989586	4.747556778	1.691374371	0.689444192
0.03125412	0.739591758	4.303070136	4.71250964	4.003478155	1.177103873	0.142667177
0.122315331	1.860001236	6.49382667	7.094107735	5.882449208	1.205978579	0.240693835
0.191618867	3.840529935	4.803629372	7.895168953	4.200057362	1.879776458	0.688922352
0.118588878	1.979321811	5.893616054	6.747412944	5.181101395	1.302312468	0.283160164
0.032357206	0.633702483	5.336050369	6.85928407	4.350081749	1.57681728	0.532073838
0.13336741	2.715854023	4.928776671	5.753980793	4.577586098	1.256990184	0.294603992
0.191823928	2.870797288	7.163201484	8.086853886	6.338329169	1.275865243	0.389217488
0.066591781	0.927107259	7.303849053	8.411424082	6.36449785	1.321616297	0.406913171
0.573263253	13.4288035	3.34044771	3.668202894	3.178710694	1.153990799	0.090236322
0.092549671	1.494765324	6.114914593	6.923492422	5.483144373	1.262686508	0.301208719
0.121883996	2.74325697	4.50490676	5.624062964	4.264972358	1.318663403	0.266468805
0.197077731	2.771299387	7.180218593	9.087256308	6.429638712	1.413338558	0.503032754
0.099412142	1.364201544	6.625503259	7.541280802	5.450202023	1.383669957	0.505637991
0.311077486	3.948938925	7.97866726	8.841762709	7.400702257	1.19471942	0.340272377
0.015966471	0.257847682	6.024892153	7.065732102	4.978562009	1.419231515	0.398291148
0.340429489	4.919214535	6.658005723	8.175047919	5.336250587	1.531983513	0.503549547
0.130673333	1.804096013	7.246265359	8.040275193	5.919856629	1.358187486	0.389499186
0.297097985	4.573693723	6.674280509	7.769091362	5.708783982	1.360901268	0.383348207
0.249509699	3.517074794	7.160741536	8.332391709	6.373139329	1.307423434	0.385599635
0.170094536	2.67365549	6.426068786	7.522537428	5.32460214	1.412788642	0.381137282
0.09942157	1.541004881	6.569679927	7.447750119	5.584473644	1.333653016	0.36548408
0.105759604	1.712254359	5.942430599	7.079651386	4.510979968	1.569426474	0.475689605
0.0159594	0.419788021	3.665044912	3.986452502	3.454525996	1.153979593	0.157191479
0.024593174	0.314440321	7.130769854	8.131242084	5.868747364	1.38551578	0.48894806
0.073903265	1.155880532	6.516250041	7.6044656	5.836007015	1.303025439	0.346868692
0.060408132	1.083789952	5.543220649	6.24152217	5.167869825	1.2077553	0.24311463
0.103393154	1.315068808	7.957382553	8.836722497	7.286016994	1.212833089	0.418989931
0.175489761	2.193119069	8.376300049	9.041833739	7.751085448	1.166524844	0.294025983
0.155040233	2.253869317	6.486306723	7.299795755	5.636601441	1.295070413	0.324016603
0.064304291	0.898053835	7.450947672	8.328601079	6.880224025	1.210513066	0.270527127
0.013703729	0.167446538	8.200145752	9.16422992	7.589944432	1.207417261	0.308287483
0.170433947	2.794706524	4.838828844	5.116513766	4.689419419	1.091076167	0.095501506
0.035687679	0.5403176	7.351209654	9.631500778	6.042596006	1.593934257	0.72362852
0.416220022	7.701581738	5.012573792	5.792610545	4.518239731	1.282050287	0.281167683
0.168079282	3.088639607	5.477001599	5.815497087	5.160417692	1.126943095	0.1474164
0.053860324	1.00898597	5.426540114	6.136443874	5.009799408	1.224888139	0.197252221
0.103329514	2.382492429	4.2889953	4.533479303	3.86432517	1.173161963	0.112108049
0.067199893	1.008615701	6.769269122	7.718807616	6.374602526	1.210868848	0.27201252

0.104736656	1.392768634	7.489886247	8.11672599	6.32499696	1.283277453	0.325816768
0.080468752	1.163795769	6.943749004	7.802678354	6.065228671	1.286460705	0.295477813
0.073026453	1.251298494	5.800620988	6.334195254	5.292566475	1.196809768	0.217638396
0.279724372	5.851603635	4.66277297	5.087920871	4.384280376	1.160491674	0.192760958
0.016357737	0.24923867	6.816522872	8.014709373	5.858465972	1.368055974	0.469612939
0.052393077	1.09565755	4.803273135	5.396551853	4.239950239	1.272786601	0.269243145
0.464484302	6.935720639	6.384863369	7.719884901	5.029041068	1.535061018	0.478141352
0.08734183	1.479519474	5.622306941	7.485119093	4.048587304	1.848822449	0.512042575
0.017493822	0.39503883	4.304873722	4.701823557	3.960984357	1.187034114	0.191019086
0.034929896	0.508399141	6.657765261	7.00158839	6.330964558	1.105927592	0.164131313
0.141138514	2.176602913	6.620036278	8.3970099	5.38708779	1.558728988	0.470792122
0.012738529	0.217765699	6.59640992	8.53311467	5.749653433	1.484109394	0.477967119
0.076664517	0.969918936	7.796584374	8.665977158	6.891799254	1.257433195	0.440811978
0.329950166	4.968302068	7.022810599	7.79557403	5.592620273	1.393903689	0.361577893
0.086740789	1.288688879	6.526527246	7.122803006	5.96804397	1.19349037	0.241013045
0.248827341	3.30964056	8.535044364	9.987995523	6.821098266	1.464279671	0.648312952
0.040453579	0.512575101	7.989054808	8.692219537	7.261991709	1.196947048	0.292036717
0.01158948	0.200216781	5.807470139	6.581926495	5.129320906	1.283196473	0.265827581
0.140940524	2.479859609	5.763902575	6.484344873	5.238172192	1.237902199	0.234934706
0.161241559	2.694711851	5.753658504	6.466028415	4.751732605	1.360772786	0.378826499
0.257687389	3.96746798	6.319649387	6.94360927	5.874142842	1.182063402	0.224794005
0.236364584	3.521797495	6.980898655	7.915482791	5.876972287	1.346864066	0.412210495
0.156454446	2.586765465	6.069011995	6.484208613	5.689919681	1.139595807	0.198736552
0.108282797	1.708339897	6.682529542	7.903966149	5.669895583	1.394023229	0.49956847
0.181783011	2.954935092	6.309460547	6.737531221	5.908863263	1.140241519	0.206967594
0.188641947	3.712394133	4.653602959	5.227208955	3.448688099	1.515709396	0.415398083
0.25119827	3.527986035	6.996955736	7.967669659	5.687751204	1.400847079	0.366738691
0.152190593	1.934327746	8.03220229	8.952680964	7.494906582	1.194502008	0.307621667
0.083877006	1.221471057	6.953325462	7.910275785	6.482721191	1.220209161	0.309581106
0.036811979	0.629905571	5.213181283	5.643580594	4.85529023	1.162357002	0.229190038
0.301255773	5.061851003	6.518161124	7.217964738	5.470549104	1.319422347	0.366801901
0.147231417	2.329794034	6.39484554	7.357383072	5.569661933	1.320974803	0.38651452
0.03178445	0.392818485	8.254769416	9.092292209	7.532513776	1.207072762	0.381693633
0.134208867	1.786591822	7.697474948	8.536857579	6.600743248	1.293317625	0.473511684
0.12561752	2.302798078	5.440211009	5.841222426	5.093222737	1.146861767	0.202378755
0.019275731	0.296924913	6.484813928	7.282592926	5.80120948	1.255357689	0.377330466
0.026481149	0.625372868	4.117151632	4.396981801	3.904256894	1.126201969	0.100571882
0.043225438	0.670700984	6.550861893	7.220078305	4.328003276	1.668223854	0.475053996
0.038926228	0.527582726	7.140707	7.925856578	5.758981255	1.37626018	0.49544634
0.143747738	2.524664102	5.871020348	6.486901433	5.301457058	1.223607277	0.275178157
0.047798061	0.581674887	8.288807909	8.677958005	7.523575385	1.153435376	0.234980775
0.04827418	0.690824866	7.02575975	7.779497505	6.309978537	1.232888109	0.339767144
0.141753696	2.070440745	6.882737548	7.253563173	6.452429333	1.124160033	0.185112767
0.021001071	0.327581499	6.415268128	7.189415412	5.591998449	1.285661196	0.308236815
0.136400898	2.492990242	5.862261674	8.467053831	4.356387439	1.943595226	0.874371
0.034176828	0.590068247	5.820281165	6.252205915	5.339347936	1.170968064	0.191859452
0.472382685	7.393700593	5.410757025	6.090283795	5.123185735	1.188768885	0.219640489

0.167877756	2.957182702	5.49507746	6.316514784	5.136104504	1.229825986	0.220631614
0.074235605	1.126211857	6.735876481	7.435510399	6.193091576	1.200613669	0.274286738
0.208918234	3.109386038	6.867721172	7.684311578	6.3104082	1.217720207	0.343978471
0.292402796	4.522490255	6.982848112	7.729578154	6.191643636	1.248388733	0.344867933
0.037391807	0.771127817	4.85115508	6.030716864	4.315430191	1.397477562	0.321917896
0.179180858	2.412590982	7.526564124	8.292142564	6.316161419	1.312845258	0.417819354
0.053033009	0.770900699	7.2968521	8.303144032	6.343603201	1.308900284	0.390629611
0.014007785	0.198586587	7.696088775	8.782464577	6.31157433	1.391485566	0.584812443
0.203795245	2.658529638	7.694515622	8.261040608	6.953770441	1.187994438	0.338497025
0.00602455	0.077801478	7.816472127	8.394735314	7.212904775	1.163849458	0.32818031
0.174464456	2.165391062	8.28265474	8.90937215	7.089947858	1.256620264	0.37668598
0.035345911	0.858149516	4.061831881	4.384744461	3.859634608	1.136051701	0.100932776
0.0056763	0.106722941	5.332734039	7.056570863	3.77703922	1.868281067	0.773310011
0.070738962	1.33082573	5.262129946	5.780018615	4.625608337	1.249569396	0.244366089
0.098880045	1.327693597	7.529777459	8.331312955	6.759012299	1.232622843	0.301225624
0.147481261	2.407493184	6.375478887	7.027725758	6.039039746	1.163715765	0.239209138
0.28818844	3.482975841	8.577720378	9.422256043	7.786799061	1.210029432	0.36614086
0.060775828	1.207242314	4.976050975	5.29290232	4.68728465	1.129204372	0.134878878
0.099482853	1.70851339	5.658169579	5.948708684	5.297179991	1.122995385	0.16911651
0.018799612	0.404679734	4.556812275	4.821031754	4.205908792	1.146252093	0.114505574
0.267498495	3.222366016	8.192675459	9.06465631	7.428043054	1.220328994	0.342669792
0.106370073	1.379269661	7.865280901	8.729961212	7.028600507	1.242062513	0.375087434
0.184809428	2.49476445	7.484945621	8.685369807	6.785680592	1.27995559	0.354601639
0.22329725	3.213370153	7.087580994	8.140514379	5.899041674	1.379972346	0.490973536
0.212361844	3.539921976	5.913389985	6.685607535	5.511260577	1.213081371	0.228381361
0.105067229	1.48122813	7.224727943	7.776530508	5.992224587	1.297770201	0.29652566
0.035078153	0.545962719	6.422345799	7.188721644	5.706576421	1.259725817	0.23170283
0.118539381	1.839282488	6.127669819	7.046600245	5.551401827	1.269337091	0.272445768
0.036253365	0.541971244	6.79318805	7.331041746	6.462131638	1.13446184	0.215133453
0.012522861	0.197165885	6.316447671	7.236080338	5.688084237	1.272147183	0.320742465
0.027251895	0.410642808	6.747692905	7.759970149	6.42388194	1.207987666	0.276151152
0.308789996	5.12160894	6.180179323	7.066764112	5.337896371	1.323885595	0.277636675
0.146505454	2.084815322	7.322740136	7.834092242	6.800168996	1.152043758	0.269191406
0.097326177	1.63387198	5.811473229	6.608892099	5.243661724	1.260358209	0.290810583
0.102990103	1.399231722	7.990349624	8.979226535	6.792043805	1.322021293	0.49330095
0.214260426	4.542846245	5.020713038	6.56785157	3.937430835	1.668055096	0.55455848
0.074543197	0.886852597	8.485148755	9.326984496	7.868749927	1.185319725	0.311252054
0.14076905	2.183518018	6.499162152	6.932353436	6.008077155	1.15383895	0.172971832
0.195309964	2.611027305	7.573525125	8.828439177	5.830611418	1.514153241	0.504804549
0.07370174	1.305892455	5.647307862	6.091553648	5.080230076	1.199070427	0.20496091
0.003334008	0.055855794	5.975850854	6.423128188	5.5068902	1.16638029	0.216034877
0.064438641	0.891864739	6.375913563	7.65389727	4.570236462	1.674726753	0.699068136
0.051530407	0.763703946	6.95266842	7.740918639	6.476247633	1.195278358	0.281437143
0.056137207	1.605757282	3.479510267	3.828945975	3.205937593	1.194329541	0.099797738
0.07204711	1.264677946	4.981344215	5.974527195	4.561694413	1.309716665	0.318805882
0.074076506	1.147652069	6.676993445	7.364777191	6.013756477	1.224655042	0.317173251
0.425041886	6.079471139	6.932240039	7.786976048	6.150597818	1.266051899	0.310521243

0.041203112	1.010389363	3.950944664	6.200715604	3.587253745	1.728541119	0.402866661
0.089215663	1.611915601	5.80899114	7.577869189	5.243924905	1.44507584	0.51004133
0.066690776	1.136415256	5.659207246	6.168381109	5.175812734	1.191770535	0.206908437
0.087462038	1.15169064	7.643440203	8.648381947	6.440219941	1.342870589	0.44609354
0.209975359	2.933626798	7.347902496	8.606063108	5.967269265	1.442211291	0.533085348
0.04635085	1.19989212	3.768866066	4.306539563	3.278206405	1.31368774	0.197570249
0.118433315	1.26944896	9.182047312	10.09645224	8.561480241	1.179288155	0.351932222
0.012165772	0.21877608	5.780808412	6.23902177	5.163700373	1.208246281	0.248334683
0.054581572	0.789550144	7.236277259	7.725152926	6.783706016	1.138780618	0.225293198
0.144811933	2.350240737	6.336470631	6.990210253	4.863899368	1.437161776	0.353035228
0.089583358	2.568056047	3.552679077	4.068188013	3.29064739	1.23628804	0.146626903
0.151791077	2.889006044	5.23035479	6.396621236	4.921016	1.299857842	0.255464591
0.021750605	0.413424173	5.060574819	5.455211231	4.700523412	1.160553996	0.238858804
0.123208053	1.500883003	8.283474955	8.981645895	7.787792025	1.153298119	0.258116139
0.063017356	0.731812454	8.888694997	10.81361977	3.574230674	3.025439809	1.563340013
0.02242707	0.367352959	6.277595462	6.797169509	5.686572497	1.195301654	0.259633973
0.005953839	0.104376347	6.000544436	6.748384048	5.715654994	1.180684288	0.200159881
0.0501268	0.833813922	5.996433372	6.833349248	5.259562491	1.299223892	0.366079985
0.098747462	1.308739317	7.696140899	8.680294861	7.0839243	1.22535116	0.344135788
0.016974098	0.369879076	4.450685903	4.730335263	4.200116451	1.126239074	0.117297114
0.096081669	1.403143989	7.09812302	7.877823011	6.455385675	1.220348932	0.352278891
0.538412316	7.39358675	7.557797891	10.47519466	4.301273353	2.435370599	1.401305401
0.054991694	0.918311733	6.551221183	8.680013567	5.826341303	1.489788036	0.516569478
0.22892582	3.738147783	5.956794143	6.496043074	4.593350772	1.414227521	0.294343288
0.101487501	1.14092978	9.106476416	10.00869532	8.43428343	1.186668127	0.373693727
0.114020968	1.833503663	6.392184473	7.967783579	5.853958972	1.361093171	0.43909517
0.223650804	3.101644054	6.882116821	7.403900678	6.540927766	1.131934328	0.20246872
0.026817025	0.381521354	7.081441874	7.429454498	6.48381105	1.145846855	0.214093533
0.020354069	0.309888467	6.54039479	6.929680819	6.169524628	1.123211469	0.167468072
0.085036662	1.587009084	5.145521348	6.756329016	4.500666444	1.501184125	0.36658196
0.180467793	2.225899463	8.921774456	9.781220602	8.353645867	1.170892417	0.312602734
0.037858497	0.611901631	6.382012769	7.180780265	5.608223025	1.280402051	0.332807989
0.016878639	0.243259625	6.918792383	7.431112217	6.594324019	1.12689522	0.179805001
0.02496794	0.315597763	8.561270612	9.171179001	7.076785902	1.295952587	0.477203174
0.079059252	1.170805833	6.885568893	7.558281743	6.489172058	1.164752865	0.216995977
0.130489485	1.686355546	8.103076292	8.825493566	7.568900328	1.166020582	0.283537458
0.205722111	3.142087222	6.526589728	7.132311276	5.887242912	1.211485815	0.254448991
0.046927142	0.654781157	7.203854522	8.202117322	5.851109758	1.401805412	0.45586646
0.174141544	2.710319983	6.523284485	6.912035164	6.112565246	1.130791228	0.204722063
0.091358196	1.644148015	5.627659245	6.214510967	4.95930094	1.25310221	0.28696684
0.076018693	1.050025996	7.304253494	8.027186512	6.032486538	1.330659664	0.421242367
0.047945375	0.977802619	4.599036179	5.058176592	4.167192865	1.213809093	0.304140473
0.042864813	0.677447053	6.401277526	7.511825797	5.617509996	1.337216276	0.36826032
0.279262984	3.804974555	7.629159632	8.757177363	6.52906701	1.341260145	0.3546953
0.089041243	1.340415262	6.755112678	7.387853912	5.901606195	1.251837833	0.329298745
0.301411337	3.840658147	7.688369114	8.603911395	6.551161518	1.313341363	0.396056413
0.069840937	1.289250016	5.324711008	5.974589399	4.870091237	1.226792088	0.246361951

0.118588878	1.741570569	7.027083152	7.592820397	6.319242017	1.201539738	0.316169433
0.211127943	4.510475217	4.702146772	5.502677434	4.335382099	1.269248548	0.254626489
0.326442917	4.753523797	5.91138545	6.960678754	4.04547922	1.720606725	0.543521464
0.087004186	1.214026735	7.392063305	9.109244159	6.257207613	1.45580021	0.543254895
0.279392031	5.076345718	5.009872552	5.291131255	4.585987849	1.153760418	0.168631714
0.048179428	0.786616185	6.178817385	6.954615593	5.618358261	1.237837687	0.299112149
0.071527386	1.261370059	5.53645601	6.234935401	4.56365549	1.366215179	0.288489123
0.069982358	1.174965446	5.871363188	6.33435424	5.507196437	1.150195805	0.187104445
0.515282854	7.695350178	6.554226179	8.288227383	5.638926246	1.46982369	0.549848828
0.126501403	2.111141286	6.236009163	6.998017557	5.494935858	1.273539444	0.276802039
0.13058848	1.432983371	9.115641078	10.10164224	8.435766725	1.197477664	0.35117017
0.207482807	3.244613155	6.327815083	6.721895421	5.698484532	1.179593519	0.228793145
0.288659844	4.486270703	6.394193731	7.010769935	5.533155171	1.267047411	0.382636874
0.130404633	2.395346697	5.485895046	6.033566373	4.688950037	1.286762777	0.288156094
0.158427274	1.906732905	8.36032913	9.059037306	7.886364762	1.148696209	0.294994086
0.494670691	7.465326178	6.997183995	7.92318124	6.572378629	1.205527205	0.288873471
0.018483771	0.29213565	6.158391957	6.894966713	5.610270659	1.228990031	0.269569779
0.002057681	0.035084915	5.294371763	6.194926296	4.73487426	1.308361311	0.298993423
0.090283394	1.619487638	5.585288658	6.191347109	4.882470983	1.268076581	0.262905293
0.002437161	0.03679051	6.430515123	7.076859554	6.00195404	1.179092593	0.203170186
0.005833631	0.101090065	5.753659771	6.575875088	5.321286984	1.235767796	0.258769127
0.027103403	0.407811178	6.675032672	7.935430429	6.163039507	1.287583897	0.368056763
0.075493077	1.153865979	6.395269783	7.408788011	5.337688728	1.388014249	0.359224459
0.091927417	1.740348152	5.239190182	5.609217164	4.799753854	1.168646838	0.184518765
0.312283103	5.877496313	4.985742534	5.584221283	4.625275399	1.207327305	0.302023235
0.171819877	2.635296591	6.452442667	6.830058933	5.662687729	1.206151435	0.227949548
0.021658681	0.403010541	5.228802468	7.098774704	3.449799768	2.057735283	0.712564534
0.059587888	0.970269108	6.182577057	6.920641515	5.26225591	1.315147274	0.379733884
0.10979247	1.475107731	7.459138378	8.027300571	6.860544505	1.17006756	0.247313665
0.177685328	2.099175137	8.865671983	9.760325952	7.9227845	1.231931268	0.414784244
0.256733973	3.769932664	6.865966868	7.620976363	5.906425799	1.290285635	0.326865759
0.046075078	0.558377958	8.412506622	9.383721709	7.985201038	1.175139068	0.286438834
0.150658528	2.159028539	6.99666383	7.41990217	6.18197637	1.200247579	0.275906517
0.243725565	3.164111928	7.787369539	8.577559423	7.038513323	1.218660679	0.368222487
0.253999827	4.173003044	6.742916097	10.23773641	4.858282642	2.107274765	1.189648607
0.111355176	2.10354151	5.188556023	6.533027389	4.417536359	1.478884803	0.404060259
0.010151696	0.1252042	8.415848836	9.603348415	7.74935065	1.239245564	0.373126543
0.057788302	1.000056162	6.172636113	7.159172901	4.076189982	1.756339359	0.590476568
0.053054222	0.812127395	6.584804019	6.967413669	6.005729638	1.160127759	0.229765289
0.026993801	0.488978338	5.74257652	7.151195758	5.294055513	1.350797275	0.412163834
0.255272619	4.203423554	6.045249057	6.361880065	5.707308057	1.114690148	0.151921407
0.224570043	3.409629265	6.630359384	7.055178018	6.273268988	1.1246414	0.190016997
0.08445212	1.219214762	7.100507032	7.497622493	6.746933704	1.111263697	0.16581709
0.078312076	1.047886771	7.827512046	8.980600048	6.752609736	1.329945073	0.524480914
0.340931535	5.25499164	7.014219131	8.133377133	6.589254936	1.234339423	0.291679742
0.026944304	0.325004743	8.365233567	9.460378599	7.732822228	1.223405675	0.359634242
0.092701699	1.318386969	7.239404581	8.296826544	6.780268947	1.223672189	0.383178581

0.008987327	0.215179026	4.296292029	5.210194649	3.987055324	1.306777616	0.205194835
0.115661456	2.421972156	4.87489492	5.576560334	4.234917771	1.316804867	0.301316319
0.149814714	2.444311801	6.367733184	7.506041045	5.396299041	1.390960914	0.460006286
0.040986266	0.632672486	6.62423058	7.404988624	5.973456425	1.239648889	0.30629007
0.114473517	1.451479356	8.013191122	9.030682562	6.547918273	1.379168491	0.463592521
0.067302423	0.809410556	8.415953504	9.067008142	7.863181582	1.153096625	0.299861611
0.02920351	0.320217993	9.227679752	10.79383025	7.151546571	1.509300142	0.692573848
0.023454732	0.583779936	3.742778482	5.702115343	3.084689891	1.848521422	0.605430132
0.012098597	0.175228683	6.912849942	7.796963238	6.018863163	1.295421249	0.367133326
0.494246427	7.409349488	6.625010214	7.368368337	6.168857013	1.194446284	0.237078166
0.207511092	2.816515242	7.516986798	8.095038688	6.826164165	1.185883974	0.27622395
0.215027637	3.589391345	5.961231421	6.48130455	5.519262511	1.174306266	0.218043528
0.101381435	1.743988812	6.015083044	7.154879397	4.604693376	1.5538232	0.541455763
0.34179774	5.007783516	6.930667631	8.073061072	6.245629747	1.292593605	0.456979236
0.115109913	1.224619404	9.379832457	9.899787235	8.594610697	1.151859879	0.317439702
0.152211806	2.926883489	5.14887378	5.559391985	4.657879924	1.193545578	0.206756981
0.054885628	0.80146553	6.703014768	7.490170793	5.820449785	1.286871474	0.338404702
0.064707342	0.825067632	8.034829549	9.346318264	7.302841678	1.279819374	0.41609484
0.089491434	1.497004297	6.275369094	6.935490678	5.80215716	1.195329683	0.253288094
0.258348534	3.477055385	7.513761627	8.078811488	7.162925439	1.127864803	0.194681393
0.014849242	0.216744524	7.046938643	8.297429614	6.582726893	1.260485168	0.431928047
0.20773383	4.000572226	6.138118173	6.903682254	5.252810367	1.31428355	0.369855649
0.153470456	2.228629105	6.966485751	8.173911148	6.276294083	1.302346742	0.42293386
0.082766849	1.670351011	5.110664358	5.492218027	4.838641102	1.135074479	0.135095814
0.351389644	4.720141601	7.742489724	10.84192731	6.122422166	1.770855883	0.950825806
0.287467191	3.65568655	8.373415005	9.777404964	7.726000857	1.265519529	0.34776765
0.002220315	0.039754802	5.594622591	5.988995409	5.282989079	1.133637666	0.170562183
0.097792868	1.305236199	7.648871494	8.452619787	7.20549962	1.17307893	0.316065128
0.233900317	3.419521339	6.701416031	7.210240787	6.301215908	1.144261821	0.223572738
0.331194674	5.749753686	5.352297073	6.098889382	4.714079366	1.293760437	0.302727117
0.105376588	1.396184196	7.560668571	9.12052642	6.190855247	1.473225597	0.627466424
0.022372859	0.242830627	8.893988504	9.741612002	7.72995442	1.260241843	0.479949989
0.015209867	0.249953963	6.571871044	7.579070361	4.880391677	1.552963545	0.506772374
0.155556421	2.316578755	6.732448404	7.447504992	5.985987291	1.244156499	0.2921391
0.229371298	2.770206927	8.403353041	9.888230789	7.782425831	1.270584649	0.440202423
0.16005362	3.600668155	4.431432707	5.298698789	3.901196666	1.358223961	0.20553612
0.086967063	1.848788067	4.539135027	4.830581682	4.237180084	1.140046348	0.121391598
0.060693332	1.231297586	4.878408762	5.548748498	4.50920857	1.230537114	0.211385909
0.052994118	1.009151766	5.163114871	5.495881171	4.956316987	1.108863938	0.124325631
0.092949186	1.404371308	6.607085773	7.680766617	5.730442252	1.340344476	0.390429271
0.059347472	0.913469012	6.856346041	8.333716945	6.201382691	1.343848196	0.420405096
0.011695546	0.163290732	6.969703638	8.063855163	6.175220146	1.305840921	0.387179966
0.038781271	0.75263329	5.159630902	5.752412247	4.854963386	1.184851829	0.168911985
0.0134421	0.229893489	5.981553446	6.531722866	5.03208518	1.298015163	0.33438903
0.060973818	1.025011434	6.014351624	7.653449844	5.535090489	1.382714494	0.433294385
0.080221264	1.469575973	5.281928059	6.164809127	4.187106217	1.472331679	0.38130984
0.008400429	0.109052783	7.75033422	8.456191373	7.004660827	1.20722353	0.383895111

0.051088465	0.87392077	5.803180958	6.690680033	5.025125747	1.331445295	0.297682075
0.161584506	2.030295262	8.083849978	9.484368579	7.176675262	1.321554652	0.554827395
0.129820091	1.886855745	7.006729779	7.427696982	6.650847702	1.116804551	0.19446899
0.386384358	5.365378379	7.271023027	9.119459521	6.393230294	1.426424374	0.565872518
0.055373532	1.328750527	3.77732781	4.109287933	3.617960644	1.135802276	0.151133687
0.172696689	2.577124648	6.361643955	7.478029686	5.275287767	1.417558627	0.386966408
0.1027709	1.564938723	6.426562963	7.046567968	5.559971398	1.267374859	0.316445647
0.228221071	3.044187398	6.767455602	8.275469713	5.305233582	1.559869058	0.610160946
0.090573308	1.697939194	5.261780796	6.664214927	4.545101884	1.466241043	0.406262339
0.092668701	1.691060366	5.459612578	6.309458251	5.186145674	1.216598732	0.200166624
0.001842013	0.034634087	5.475935603	6.220997708	4.678785202	1.329618146	0.306559268
0.116608979	1.934910843	6.158642954	6.705609585	5.565093245	1.204941102	0.24683552
0.232970471	3.062600926	7.606122157	8.591079684	6.899321725	1.245206417	0.363365078
0.062384496	1.017992856	6.244993348	6.967659117	5.67399898	1.22799795	0.323447997
0.121328917	1.879034182	6.424803976	6.779275106	5.874600847	1.153997571	0.194011952
0.069416673	0.909619893	7.541731685	8.175084024	6.892051061	1.186161268	0.248704484
0.174117974	2.325682236	7.676655239	8.894572514	6.994349012	1.271679823	0.394229725
0.244637733	3.573914565	6.911029193	7.491004864	6.05148143	1.237879509	0.260450707
0	0	4.021920239	6.652116804	3.406000451	1.95305811	0.561144065
0.004465379	0.097349128	4.729325098	6.395744026	4.242613045	1.507501146	0.375289878
0.106073088	1.761971509	5.659568534	6.433597834	5.027862328	1.279589101	0.308008451
0.192833676	3.353061581	5.793934076	6.798900015	5.068417301	1.341424672	0.418181054
0.080673813	1.21137339	7.16216012	8.574336224	6.481975562	1.322796753	0.532311351
0.138522218	3.43771964	4.083479413	4.42361733	3.724141726	1.187821962	0.118206412
0.035730106	0.658619069	5.750266931	6.820439121	5.090794455	1.339759282	0.403756824
0.090224468	1.611380815	5.520398413	5.910876051	5.151842698	1.147332401	0.149657494
0.172494457	2.395783408	7.258047653	8.354593592	6.720983023	1.243061255	0.34248062
0.074658102	1.313628359	5.600570664	6.296429036	5.12424274	1.228753077	0.279058135
0.027039763	0.33659628	7.714841401	9.40884616	5.986785322	1.571602397	0.792758402
0.036613989	0.650537453	5.686738813	6.3577123	4.876501905	1.303744451	0.290486192
0.183632096	2.560644023	7.228138791	8.189120396	6.382747076	1.283008758	0.397826117
0.148322718	2.472813377	6.536614831	7.879130815	5.96897803	1.320013372	0.377842965
0.119755604	1.698605008	7.08299651	7.622258607	6.706745216	1.136506362	0.201167471
0.070318234	1.162444829	6.039958848	6.953975011	4.921439082	1.412996259	0.361175492
0.313909449	4.634350734	6.772302042	7.464608526	5.849363019	1.276140411	0.293251017
0.013427958	0.212288992	6.407867053	7.003945315	5.996206836	1.168062661	0.201781861
0.175249345	4.198749171	4.115013925	4.435161956	3.764643083	1.178109547	0.139548868
0.139543988	2.388991699	5.919377527	6.645493731	4.605959598	1.442803305	0.410046329
0.085192225	1.372991289	5.936597479	6.528255203	5.396672947	1.209681459	0.27369826
0.18183958	4.25553146	4.12932187	8.5363117	3.475912534	2.455847671	0.888741558
0.11323608	1.280812844	8.641719905	9.565549408	7.911291633	1.209100846	0.326512246
0.12614785	2.199615192	6.045182581	6.611660689	5.446925921	1.213833414	0.239305475
0.029595954	0.585742572	4.995503954	5.347839024	4.824223622	1.108538791	0.158696658
0.053634049	1.033299116	5.152803374	5.579208795	4.655180394	1.19849465	0.196343414
0.472095128	9.08147866	4.901939889	6.698381764	4.591441789	1.458884174	0.374155022
0.091369981	1.961272783	4.485155223	4.700719765	4.19077502	1.121682682	0.088781035
0.145996337	2.494212329	6.094725179	6.713919086	5.705228839	1.176801015	0.222874881

0.04734787	1.120063649	4.039379565	4.340311856	3.721283464	1.166348089	0.125099403
0.281477996	3.991451105	6.948640679	7.431584922	6.329781359	1.174066607	0.24812619
0.090502597	1.145223589	8.178647553	9.231830323	7.194431766	1.283191032	0.464343622
0.074748258	1.126952618	6.990257037	7.881675267	6.357389664	1.239765955	0.368445171
0.008121121	0.121846048	6.633411763	7.007132517	6.24418452	1.12218537	0.186576298
0.051104964	0.804941351	6.318336104	7.636123258	5.241601013	1.456830316	0.409046274
0.007394569	0.170141943	4.055850874	4.397680108	3.74461768	1.174400295	0.140977862
0.398426387	6.390930201	6.494470464	6.945953104	4.953758238	1.402158275	0.36543023
0.063024427	1.035574267	6.12297089	6.917785713	5.133674329	1.34753108	0.392440974
0.097478205	2.194518393	4.415392896	4.929307571	4.086524333	1.206234729	0.172092057
0.032105005	0.598942468	5.605491852	6.297978331	4.909011795	1.282942188	0.323082057
0.150132912	1.704774341	9.398095482	10.41131121	7.706915169	1.350905126	0.498106174
0.109841967	2.440986775	4.537212527	5.266638008	3.992874222	1.319009244	0.208429447
0.234869053	4.272257903	5.112365733	6.216762666	4.172196309	1.490045579	0.386568233
0.167838866	2.415979905	6.93659794	7.99131819	6.261854869	1.276190259	0.375761432
0.323465997	3.404931007	10.51916227	11.70539756	9.474843525	1.235418562	0.424373155
0.006079351	0.084243459	7.731246857	8.973825041	6.516059461	1.377185874	0.517625551
0.208380833	2.550572947	8.414399903	9.180059634	7.553738562	1.215300153	0.34895907
0.05860501	0.946353812	6.038013718	6.57278827	5.402564565	1.216605224	0.214281018
0.000523259	0.008171794	6.287168472	6.76083134	5.886671941	1.148498066	0.199843144
0.044639651	0.560337063	8.399965694	9.857764537	7.175306547	1.373845768	0.545639114
0.023780001	0.337691321	7.460040668	8.928435475	6.256088524	1.427159389	0.665277957
0.251192613	3.034025649	8.334165995	9.234139498	7.533218576	1.225789403	0.359667611
0.166336264	2.64122759	6.511565971	7.017829153	5.649504302	1.242202639	0.292209552
0.131818846	2.026152786	6.60378666	7.63585628	6.001919962	1.272235606	0.346124396
0.073164339	0.94385961	8.063657489	8.890987202	7.46130773	1.191612452	0.283003169
0.211007735	3.020686745	6.834036416	7.443306048	6.393725196	1.164157955	0.233884566
0.332442718	6.199038634	4.963481339	6.705550615	4.420956445	1.516764686	0.442655328
0.0624446	0.829334405	7.850262793	8.693307824	7.252899948	1.198597511	0.280710677
0.233854355	3.290848212	6.858154758	7.904126452	6.16405687	1.282292915	0.352413407
0.153979573	2.360434184	6.568302386	7.124595756	6.030777176	1.18137274	0.233873212
0.222280784	3.252331737	6.693254546	7.588317987	6.047980644	1.254686222	0.327178885
0.159473792	2.334426323	6.819986071	7.435453357	6.209709008	1.197391592	0.232175356
0.161298128	1.909759845	9.506027048	10.84093712	8.703459564	1.245589416	0.529738282
0.29699899	4.086287622	7.483722941	8.843876181	6.583210971	1.343398566	0.413845873
0.073786593	1.589571195	4.702031386	4.987815424	4.538907839	1.098902115	0.090970127
0.253872548	3.342667329	7.200494346	8.376135872	6.044082355	1.385840791	0.427910657
0.236986838	3.559722578	6.584502833	7.677061276	5.755098636	1.333958245	0.40250107
0.018519127	0.334829894	5.070240363	5.765268004	4.242697466	1.358868515	0.356495577
0.084117423	1.1151303	7.675393605	8.307104005	6.597847736	1.259062703	0.327488216
0.000106066	0.001932656	5.593902508	5.985730714	5.178613735	1.155855799	0.179565859
0.228890465	3.5111206	6.642727115	7.425134415	6.178503822	1.201769009	0.311461111
0.13093732	1.993094236	6.763008303	7.769621673	6.201237626	1.252914683	0.301249489
0.148966186	1.944172095	7.071750514	8.43465037	6.162386328	1.36873119	0.477213086
0.307082333	4.602659741	6.848094775	7.459333799	5.418895231	1.376541432	0.398901141
0.041443528	0.445570239	9.309700422	10.12590756	8.815492402	1.148649117	0.244250566
0.054493184	1.153251145	4.787535719	5.35477358	4.328026112	1.237232272	0.20580802

0.147752319	2.577278311	5.461483615	5.903228423	4.877136356	1.210388226	0.256579854
0.201415831	3.821120207	5.374982844	6.087765921	4.365429231	1.394540055	0.351612183
0.123559839	1.839927922	6.816778897	7.835559566	5.335668855	1.468524337	0.406852494
0.001817264	0.029537425	5.855598203	6.372538624	4.836561023	1.317576393	0.330271785
0.018529733	0.268499224	6.803952199	7.467936574	6.227924799	1.19910513	0.24096612
0.062352676	0.932381642	6.666559883	7.416006671	6.039049507	1.228008921	0.287325663
0.067217571	1.328539807	5.060238586	5.610223998	4.758531187	1.178982291	0.167571215
0.034315892	0.375108571	9.302150832	10.19158001	8.788265956	1.159680426	0.298895461
0.160371818	2.034337763	8.149016889	9.247739889	7.524901281	1.228951656	0.391373992
0.01666415	0.235685856	7.021502147	7.305568557	6.417606656	1.138363404	0.180759725
0.097361533	1.843380406	5.195785002	6.123184541	4.912887197	1.246351543	0.188836408
0.305243855	5.6651248	5.149032521	5.410870146	4.910324724	1.101937336	0.13946885
0.206832269	3.047504132	6.989018705	7.950646586	6.322177504	1.257580411	0.372286342
0.511634183	7.231563986	7.576586625	8.566615694	6.974065789	1.228353152	0.374296994
0.372337682	4.967162136	7.966225242	8.945276958	7.267292798	1.230895356	0.433352764
0.065075037	1.046553003	6.546359121	6.961367806	5.991021227	1.161966807	0.22772081
0.043366859	0.546720005	7.776637275	8.64963607	6.892035267	1.255019125	0.443297625
0.419678481	5.820579692	7.809405715	9.1067617	6.634752228	1.372585047	0.560386952
0.076926147	1.472277737	5.071968237	5.983353482	4.18231541	1.430631814	0.345952431
0.039725259	0.612680421	6.46357577	7.104342571	6.036009596	1.176993253	0.235340644
0.110301587	1.636756381	6.386142197	7.116133215	5.78381991	1.230351796	0.29116291
0.044243671	0.612386395	7.264052406	8.055842232	6.799011264	1.184854962	0.313444087
0.156539299	2.385147942	6.631883552	7.650032257	6.106935504	1.252679392	0.295441315
0.002916815	0.040689007	6.962999725	7.832828386	6.151340113	1.273353163	0.277090634
0.212821463	2.979914055	7.228824631	8.107284863	6.054558506	1.339038157	0.415432136
0.11919699	1.586180345	7.447625501	8.20285406	6.476074252	1.266639903	0.335935085
0.108102485	1.911187845	5.536133553	6.000156564	5.114816292	1.173093269	0.221521403
0.090042978	1.088568025	8.368921874	9.158293784	7.968329391	1.149336747	0.259685225
0.192123269	2.431152784	7.971117585	8.579330911	6.978002031	1.229482432	0.372172179
0.013000158	0.281242102	4.470356013	5.767008745	3.953787949	1.45860345	0.261612947
0.2892491	4.377044792	6.348310361	7.118291752	5.400484898	1.318083818	0.395624695
0.078114086	1.197891948	6.569690477	7.030241362	6.254708205	1.123991901	0.200520344
0.232864405	3.669195587	6.433285831	7.454954449	5.982028223	1.246225222	0.281197226
0.365478746	5.122851408	7.752257216	9.066453917	6.613688963	1.370861855	0.667912567
0.338871497	5.183304295	6.54685445	7.107720619	5.950335658	1.194507508	0.232686834
0.118070333	1.992936394	6.009171488	7.047998512	5.416986599	1.301092108	0.297357449
0.131394582	1.889801727	7.130265562	8.410305493	6.659328405	1.262935987	0.450542119
0.057169583	0.907921954	4.898986516	5.297048897	4.623417543	1.145699874	0.161330368
0.215306944	3.161340115	6.956253411	7.784153025	6.37058798	1.221889259	0.292794422
0.082183486	1.18242591	7.06427638	7.836859004	6.429786267	1.218836627	0.278844731
0.225164012	4.191518387	5.344050238	6.021663607	4.591272414	1.311545703	0.315951631
0.377290965	5.266123012	7.443986479	8.795231898	6.706698545	1.311410054	0.338006542
0.007544829	0.146137331	5.179402667	5.8217826	4.961626746	1.173361661	0.207663729
0.025059864	0.355301145	7.142063625	7.865653663	6.56892853	1.197402838	0.279006295
0.030407949	0.473289695	6.605083214	7.769056758	5.832941154	1.331927848	0.391888869
0.09475938	1.284959897	7.623941154	8.492150538	6.398063166	1.327300203	0.368709966
0.123987639	2.050998398	6.000105671	6.531626225	5.604311516	1.165464519	0.204201871

0.248420754	4.066104251	5.975749048	6.634764707	5.460070403	1.215142703	0.216996214
0.182553758	2.88225426	6.536341783	7.898902312	5.533185207	1.427550681	0.501938374
0.048783297	0.641451614	7.78957967	8.829651903	7.341864796	1.202644308	0.32243023
0.070173277	1.114513498	6.023277938	6.810857904	5.160397787	1.319831956	0.324066604
0.057862548	0.847495855	7.065663593	7.472116201	6.640935046	1.12516026	0.176887824
0.022683986	0.407540542	5.630372652	6.172765791	4.775462703	1.292600565	0.213191328
0.608571451	7.618950817	9.134113649	10.65354308	8.132393735	1.310013193	0.536160602
0.14339772	2.115053918	6.915232846	7.779035024	6.524055539	1.192361864	0.241441426
0.063164081	1.084839727	5.778920564	6.166455146	5.328633325	1.157230151	0.177676264
0.019912127	0.247815228	7.963705636	8.920465766	7.272783616	1.22655454	0.359481701
0.248934585	5.403511666	4.25537535	4.638771909	4.025917403	1.152227292	0.124853489
0.082034993	1.21537933	6.671205651	7.926861008	5.650439735	1.402875065	0.439580779
0.038900301	0.858436212	4.522914488	4.934073486	4.308271164	1.14525602	0.130715988
0.009244243	0.154621114	6.15929158	6.87792567	5.758578682	1.194379039	0.247488895
0.044250742	0.634816437	6.231227754	7.942973791	5.467067598	1.452876455	0.513656776
0.026212448	0.331998941	8.054038199	9.276913942	7.493066323	1.238066439	0.348938501
0.065909423	1.278727365	5.108078044	5.882004266	4.634486871	1.269181342	0.264028058
0.069084333	1.04322894	6.40206136	7.202434088	5.431920289	1.325946204	0.448108816
0.034153258	0.665755738	5.68126881	6.159180206	4.2907402	1.435458667	0.358156575
0.192714882	2.783771148	7.36412173	8.077545445	6.659641052	1.212910033	0.329049112
0.09681706	1.681077338	6.482660168	7.781211848	5.021085108	1.549707221	0.575853806
0.073301046	1.324170171	5.407201988	5.962653811	4.845516519	1.230550714	0.280575295
0.016925779	0.276387203	6.14959456	6.643654966	5.698330161	1.165895057	0.195528205
0.053608122	0.812778574	6.94758066	7.822957432	6.650693352	1.176261935	0.289078953
0.20726714	3.699219753	4.966411894	5.528951132	4.61420891	1.198244648	0.294322946
0.346553033	4.416110585	7.862758615	8.667646905	7.242467764	1.196780875	0.322733105
0.035843243	0.646298162	5.719040314	7.28395	4.757928384	1.530907868	0.40422751
0.132561308	2.294929496	5.900153388	6.860613776	5.229455599	1.311917397	0.303899928
0.116386241	1.938438355	6.122758084	6.754933193	5.178117743	1.304515179	0.299487864
0.164006347	2.659330219	6.35868634	7.297926014	5.572311234	1.309676669	0.424799121
0.052071343	0.712404426	7.12814964	7.76132505	6.012388418	1.29088883	0.346202678
0.087638814	1.39550131	6.31383876	11.46082378	4.007997899	2.859488469	1.439143158
0.077703964	1.141279451	6.890139668	7.862224673	6.032701576	1.303267628	0.412240827
0.002156676	0.038307175	5.532787471	6.017926727	5.254565174	1.145275875	0.176660684
0.114763431	2.080565206	5.77707206	7.264223538	4.085195959	1.778182396	0.656693291
0.166997409	2.517652017	6.870368446	8.025637022	5.592666702	1.435028663	0.525126288
0.082491077	1.966335428	4.139288251	4.511679614	3.832029177	1.177360455	0.145964283
0.161184991	2.212076269	7.405904229	8.625485804	6.430143452	1.341414211	0.495266443
0.116396847	1.528010943	7.656533147	8.678230858	6.336844076	1.369487832	0.373805333
0.126755962	2.152262728	5.789236252	7.580638888	4.845805877	1.564371145	0.417133943
0.091671091	1.181376572	7.872853613	8.527552131	7.282991029	1.170885986	0.247715744
0.087865089	2.007418491	4.340870468	4.878341949	3.96189982	1.231313807	0.20275588
0.454768655	6.419732942	6.996997681	8.050452811	5.571504513	1.444933373	0.435499391
0.114732789	1.41169291	8.280211071	9.285386759	7.64200961	1.215045156	0.304712326
0.116234213	1.098516845	10.82765939	11.33184744	10.06809799	1.125520178	0.251086517
0.094384613	2.000553178	4.947824479	5.325466098	4.518353086	1.178629912	0.176590568
0.21107491	3.443938683	6.220659297	7.204484652	5.436974812	1.32509068	0.409233774

0.211764339	3.355884313	6.23164984	6.572600761	5.913169458	1.111519094	0.152824596
0.163525514	2.360643363	7.117977925	8.655585567	6.451324046	1.341675834	0.452007807
0.189525831	4.690919167	3.870701368	4.404114894	3.73466094	1.179254279	0.129778045
0.072888567	1.770363653	4.120095924	4.584946986	3.828320732	1.197639202	0.118028875
0.039827789	0.549286665	6.471926285	6.932914616	5.70757408	1.214686751	0.308620124
0.448998664	4.842706913	10.14928452	11.08187541	8.638951623	1.282780121	0.536500205
0.310264313	5.639307902	4.799582696	5.055995451	4.653348785	1.086528366	0.095391961
0.085800337	1.254710686	6.843156134	7.341436731	6.130313865	1.197562946	0.257076425
0.174365461	2.350763814	7.439671618	8.174799692	7.007187759	1.166630605	0.282439348
0.06006165	0.783823559	7.966905519	9.211064508	7.260244756	1.268698896	0.357564293
0.104881613	1.363282479	7.800667112	8.729299589	6.905031714	1.264193989	0.366410887
0.167478241	2.241392947	7.606255796	8.439975193	6.794053883	1.24225909	0.384315423
0	0	4.300445833	5.262985509	3.701233099	1.421954621	0.31179834
0.341985124	6.787140368	4.443579344	4.611778471	4.213009299	1.094651861	0.082955093
0.197791909	3.951539554	6.03811271	7.293523518	4.942419335	1.47569905	0.423644193
0.154283629	2.379037772	6.574968934	7.019806441	6.162805344	1.139060225	0.205136742
0.128035825	2.98316291	4.317260879	4.960404241	3.943067233	1.258006508	0.161421531
0.253738197	4.602701332	5.553382314	6.096866021	5.086004147	1.198753647	0.208401989
0.001746554	0.029218017	5.636218604	6.283871741	4.844644076	1.297076037	0.310599448
0.28362053	5.106464537	5.584562442	5.883505446	5.035269927	1.168458798	0.19550436
0.021262701	0.327904763	6.436202843	7.948367137	5.812682119	1.367418168	0.451593632
0.40334785	5.884095619	6.827251903	8.566504931	5.534865545	1.547734965	0.590679836
0.015301791	0.250362344	6.461126095	9.072541667	4.895395795	1.85328052	1.002444973
0.060238427	0.971199246	6.518774336	7.354354435	5.701299387	1.289943561	0.372213794
0.055988715	0.854761942	6.871844648	7.453188931	6.479234519	1.150319364	0.23103077
0.063010285	1.203437907	5.189429868	7.447558999	4.647028959	1.602649578	0.458066054
0.062805224	0.960721443	6.732548376	8.123707381	5.662368758	1.434683562	0.532469191
0.026056885	0.521328632	5.094475607	7.373587218	4.016349559	1.835892795	0.743835609
0.212223958	2.391592848	8.956843636	9.781142363	8.31942433	1.17569942	0.382164988
0.483222632	5.864960382	8.315953346	9.225244901	7.194657253	1.282235495	0.467394024
0.060662691	1.186637131	5.294251788	6.364711037	4.529069763	1.405302053	0.381008132
0.080117555	1.386251436	5.745075426	6.365316769	4.854568077	1.311201464	0.316112743
0.094306831	1.623062352	5.794629225	7.263143396	5.107722324	1.421992609	0.401735549
0.125447814	2.301673467	5.406297198	6.121057788	4.96269456	1.233414169	0.238102488
0.169392143	2.517154435	6.876644648	7.793156963	5.946224583	1.31060589	0.436213402
0.010380328	0.172322488	5.986181958	6.600527896	5.040546404	1.309486585	0.272441948
0.088918678	1.860506289	4.778128716	5.212942784	3.875950106	1.344945792	0.320309286
0.125900362	1.411212815	8.943953048	11.76260149	6.81488864	1.726015216	1.237550955
0.145055885	1.87812106	7.933871633	9.042425839	6.760909564	1.337457002	0.505699803
0.040467721	0.724185196	5.712315549	6.279500884	5.11787808	1.22697352	0.257841156
0.00098005	0.018520165	5.073084799	5.28112715	4.782931061	1.104161252	0.103220436
0.08469725	1.475103502	5.873632981	6.635538325	4.894991496	1.35557709	0.267118129
0.272257324	4.726544265	4.258848487	4.757093194	3.883733589	1.224876291	0.21431774
0.144683476	2.794262445	5.163205125	5.655811845	4.904146722	1.153271337	0.161676712
0.442889261	6.782638769	6.941920291	7.636754298	6.028735304	1.266725758	0.344863092
0.213906872	2.677023177	8.149111842	8.94010242	7.700868585	1.160921307	0.320137006
0.091789531	1.581000157	6.000838958	6.590636024	5.518470991	1.194286612	0.250315667

0.011882929	0.204381611	5.930923961	6.691831157	5.21667245	1.282777713	0.305961555
0.208165165	2.783317167	8.595330422	9.793778258	7.377430582	1.327532418	0.635095329
0.04161677	0.671490362	6.218354228	6.980717925	5.842144801	1.194889576	0.25577994
0.080923657	1.23389227	6.642658216	7.721225336	5.95665391	1.296235345	0.36981486
0.408007684	5.350902884	7.664116493	8.813318064	7.048035553	1.250464473	0.402984012
0.011422132	0.200200306	5.636923959	5.899791231	5.43894469	1.084730875	0.117702076
0.379016306	5.139102976	7.344273215	8.039715037	5.968427986	1.347040637	0.423159808
0.191894638	3.113435576	5.497077786	6.273970935	4.62762522	1.355764704	0.2698165
0.191993633	3.104062099	6.259488217	6.987207845	5.079137215	1.375668258	0.312760815
0.156461517	2.403386415	6.393445263	6.763299818	5.997786032	1.127632727	0.201166379
0.10863635	1.969528774	5.527677656	5.932749772	4.94878687	1.198829113	0.22894045
0.254763502	4.415232003	5.917315884	6.430274093	4.548547627	1.41369831	0.296992854
0.06913383	1.234271161	5.572439784	6.422168757	5.193192551	1.236651384	0.228582645
0.033559288	0.558183763	6.425095693	7.86770196	5.715803221	1.376482299	0.500610246
0.549860375	7.125048045	8.154761311	9.978746791	7.436156414	1.34192266	0.422389621
0.028835815	0.391895424	7.295384444	8.058067721	6.36304252	1.266385962	0.401276098
0.287952737	3.034651745	9.608042359	10.24750518	9.187567776	1.115366485	0.225944435
0.119706107	1.947170085	6.493293902	7.055669691	5.723247266	1.232808817	0.361969747
0.073767736	1.243136536	5.772158099	6.170734228	5.410681989	1.140472539	0.156693251
0.020279822	0.347228188	5.435389025	5.937569178	4.869823927	1.219257465	0.211457471
0.143330545	2.40554561	5.908952957	6.483124521	5.430108653	1.193921694	0.202139131
0.142035361	1.675561411	8.747798845	9.644249717	7.877620984	1.224259169	0.377528806
0.323932688	5.090104995	6.470765272	6.975649558	5.880458698	1.18624242	0.262490818
0.212351237	2.507662709	8.791376437	9.886018166	7.51255574	1.315932754	0.515993858
0.111086475	1.39652389	8.620657584	9.633320024	7.782459705	1.237824594	0.474015173
0.089215663	1.848108282	4.880062606	5.64077117	4.599244764	1.226455964	0.193274262
0.157769665	2.477338669	6.435708272	6.957358152	5.818099948	1.195812759	0.236147215
0.059552533	1.385709227	4.270384175	4.50928117	4.020332187	1.12161905	0.091098207
0.038702311	0.837271263	4.757196748	7.761969165	4.125543423	1.881441636	0.572942118
0.135110428	1.816834716	7.131747002	8.574242978	5.915699695	1.449404706	0.504213619
0.133230703	2.301314648	5.795492947	6.415044808	4.561922593	1.406215182	0.324352205
0.086436733	1.702582	5.184674918	5.81932367	4.738029067	1.228216119	0.219759782
0.063799888	1.234827386	4.776652142	5.598892123	4.386019358	1.276531558	0.218836529
0.11670326	1.794454908	6.511676866	7.341122338	6.101008231	1.203263799	0.243210242
0.026782848	0.610017415	4.441605198	4.892030697	4.056347166	1.20601874	0.138402548
0.064141656	1.184355065	5.584033039	6.510009384	4.193361526	1.552456029	0.521846456
0.24561354	3.515817536	7.440228036	8.803621221	6.267281955	1.404695255	0.631356883
0.001110158	0.015649093	7.14468948	8.577519823	5.944802231	1.442860417	0.574575977
0.203498261	2.86906792	7.162483633	7.87222082	6.151414344	1.279741598	0.348168703
0.018466094	0.335299635	5.593117533	6.399525759	5.259178159	1.21683	0.236028433
0.094179552	1.713862792	5.767176248	6.720401653	4.681488352	1.435526727	0.354999921
0.0991293	1.350582148	7.360575332	9.204257493	4.921409991	1.870248061	0.75696816
0.449150692	6.091027759	8.168481792	9.698330957	7.131826108	1.359866437	0.610660582
0.001152584	0.023332694	4.697183457	5.406503631	4.303105744	1.256418957	0.278908584
0.097510025	1.776685231	5.590040214	6.372348096	5.122691797	1.243945244	0.31539158
0.157797949	2.644970906	6.000996968	6.45128036	5.139495201	1.255236187	0.269966227
0.045021489	0.670946124	6.70050776	7.381419446	6.21789812	1.18712454	0.306056564

0.096521843	1.221307784	7.925832071	8.393400752	7.447800335	1.126963717	0.234925505
0.03487922	0.665048356	5.415488718	6.142285961	4.96698552	1.236622482	0.221661628
0.306495434	5.777631685	5.105574226	5.497197806	4.753687806	1.15640699	0.16194359
0.122188052	1.730091677	6.978503391	7.748286582	6.297037144	1.23046544	0.354781281
0.107685292	1.984298494	5.441637577	6.023060707	4.993385334	1.206207874	0.204643892
0.105408408	2.326540502	4.527626267	4.792352132	4.309938398	1.11193054	0.113285882
0.027432208	0.432897332	5.00025029	5.636138015	4.502851543	1.251681953	0.203000128
0.43426963	6.428814245	6.864670179	10.95617112	4.158049836	2.634930208	1.099757591
0.061959053	1.124484694	6.468881054	9.935367008	4.222700172	2.3528469	1.182436139
0.053337065	0.951705108	5.425993438	5.947886745	4.742773077	1.254094735	0.238731372
0.102070864	1.489962093	6.837194236	7.479635777	6.431797658	1.16291528	0.226777963
0.11207996	1.781738193	6.250353003	7.377602707	5.736855668	1.286001101	0.314094906
0.042626754	0.6799728	5.980281047	6.767864225	5.460238562	1.239481416	0.270265418
0.031227603	0.47959383	6.742492113	7.860706308	6.152018117	1.277744337	0.354328681
0.340249177	5.103154593	6.8846842	7.843746746	6.050100578	1.296465512	0.42901519
0.119755604	3.224863727	3.745250081	4.179404601	3.548308991	1.177858132	0.132800521
0.105153849	1.650551112	6.234372664	6.782380849	5.905020304	1.148578752	0.176680236
0.061253125	0.99348677	6.287793063	6.79228076	5.707923333	1.18997407	0.248892039
0.046386205	0.780641268	6.004035673	6.883402644	5.428376489	1.268040759	0.281135518
0.171731488	3.074607175	5.439254593	6.174428	5.0755742	1.216498421	0.261181397
0.024128251	0.327405581	7.494702241	8.48702568	6.656272903	1.275041724	0.377546069
0.197056518	2.456807596	8.39946645	9.08597084	7.31645752	1.241853836	0.440306752
0.387077323	7.405554954	4.461679211	4.773115999	4.173873724	1.143569814	0.135890778
0.068773206	0.95782915	7.462733768	8.317076599	6.850219512	1.214132859	0.295223742
0.036578634	0.823917655	4.457959785	4.881099531	4.087447344	1.194168174	0.145310177
0.021808352	0.449620009	4.86190777	5.476809417	4.376267699	1.251479524	0.194391932
0.017529177	0.241763858	7.223743058	8.454315005	6.668387359	1.267820022	0.370391933
0.137581766	1.687895728	8.217442447	9.161795731	7.58899709	1.207247232	0.346105682
0.630972594	10.55351409	4.51111888	8.184626113	4.005563953	2.043314302	0.850889744
0.127943901	2.860293227	4.627276802	5.816781954	4.393798738	1.32386172	0.253716435
0.379728127	5.0499401	7.643139042	9.398222027	5.905735464	1.591371995	0.787571728
0.120031376	2.41210518	4.891360181	6.070983507	4.138608273	1.466914263	0.402285426
0.075632141	1.476815029	5.073903038	5.459164849	4.570152483	1.194525756	0.156650404
0.108219157	1.496681768	7.383112631	9.010247963	6.743134065	1.336210711	0.410352671
0.356080119	3.749644828	9.760984772	10.64770211	9.17610034	1.16037333	0.348080025
0.04042883	0.86388011	4.596536532	5.182322949	4.203941791	1.232729473	0.207370537
0.071902153	1.315380721	5.757033956	7.146610637	5.144274899	1.389235758	0.412426784

FTA.CV

11.48230309
2.935990794
9.382678609
3.064611935
4.425835904
2.579786897
3.737029881
11.24563532
2.696013021
6.91135549
6.199250568
3.390942883
2.943441829
5.902834636
18.33723618
4.318900303
7.472904522
6.012854201
4.299086994
6.167786319
14.7410225
6.404842993
6.613590542
7.959390005
6.083625108
4.817461111
3.238710052
4.744147348
5.566903416
3.977388915
4.214150258
3.492608482
13.13824977
2.52527392
5.653982636
6.950317008
2.422535928
10.72433469
3.041824275
5.070385363
4.262428951
5.491034745
4.379714217

5.846451406
6.510794563
4.671446207
2.537584016
5.903515464
2.658100929
5.217387177
4.040558927
6.464436532
6.802202988
6.95553383
2.9056783
2.252963501
3.847829842
9.669253593
5.807233246
4.913826308
16.77650742
3.636921299
4.663476266
2.293736889
6.856081363
11.61351179
7.543945461
2.108747945
3.956350922
5.124118943
2.812889586
3.406787802
13.18367365
12.48492618
4.441339282
4.961809863
2.519758702
5.006320415
4.830462482
3.331086857
3.903328975
3.179676947
4.701233991
3.95245832
12.25989736
3.500292223
1.883458358
4.056540955
6.356722519
4.828352804

6.166184172
8.982194245
21.07496583
10.26309706
2.518030818
4.509574514
5.679421052
3.246994465
7.112287989
15.19442312
6.159017925
4.655966044
5.415715134
10.87203418
6.464715021
7.398169979
3.926777921
0.940577421
10.2473225
10.77348371
10.73562714
5.129429225
6.569177605
7.716898348
12.73364151
5.802152649
2.936876638
3.619480231
5.092007356
2.911095128
3.58495191
3.48888502
8.731345132
3.564399064
7.665632707
12.77460976
3.566395683
5.281299669
3.503206442
5.587902079
3.453003484
5.594828375
12.52244662
4.474135266
3.350582104
3.773115186
7.793180878

3.034989638
3.9306338
12.30078856
15.040378
2.461222698
10.62933296
6.965895876
3.162919243
4.72694018
3.386045186
14.23636738
6.671805059
3.735434441
5.874915465
3.779441041
3.164675253
2.499622892
7.016536653
2.777339346
14.46896901
5.014493164
11.8074801
3.008128504
4.196373232
4.497226073
2.710304539
4.06922541
3.27496771
4.136660123
8.552093254
4.282929667
7.847175266
6.794816005
6.954096307
1.976030471
17.00128055
22.39033461
12.14314419
3.33643135
4.854694827
4.923864968
5.96442934
8.196418907
12.16654553
2.97790699
3.722117545
17.88528674

13.48967851
2.286075014
2.415997607
10.84372522
4.028338452
3.655867323
10.05882652
8.592600168
5.134454496
3.640055663
3.973274947
4.485645379
3.594080879
9.252899265
2.477711807
9.432439489
3.164608728
13.49566361
4.075123327
2.734590848
6.237448023
3.538235686
10.28128464
4.821881039
8.064653436
4.760989975
2.547795508
12.7666524
2.03462729
4.141154676
2.551033538
3.76108201
6.158077846
2.856178799
3.139181923
2.527611343
10.20636993
4.798238114
16.89754748
3.094705195
3.210359591
5.476385253
4.587016001
7.064604851
7.517221401
5.52855609
7.145201104

18.55373542
4.478708254
3.266082949
6.389818471
21.96315598
4.043613055
5.456589292
5.305786924
3.308400247
6.161044825
2.291368864
3.040968188
5.759950951
6.019374546
6.909035133
2.628013011
4.200799065
5.413485846
3.260334664
4.204614884
3.274774153
4.818869597
4.839988996
2.831558631
3.924897268
3.268379325
3.991036869
5.871271182
3.203751894
5.164152807
3.136438749
4.066994051
4.374942156
6.2860533
4.026036948
3.168657654
3.616571536
4.49580291
4.199426693
5.095195288
14.94482076
4.679708047
3.816445305
2.201598038
4.974814217
5.227489419
4.5914758

17.05645717
2.13013851
5.583672649
9.155477531
6.093812954
7.986923458
4.239640578
5.676528848
5.851118614
8.118778253
2.985853858
14.47775383
5.435515182
4.962964464
7.906120554
4.01714531
15.43800103
6.291645465
3.15188128
6.217825808
6.875274959
4.777263196
16.6096143
7.724882828
9.61846491
11.71309929
8.577268192
4.881502184
4.432230339
9.841033346
9.234167965
16.71522226
4.21889616
6.626889644
5.156944729
2.935101508
3.921934937
4.948983505
3.685147965
3.070977802
13.59482272
7.783512257
2.446154609
4.782831574
5.783862331
5.564952967
3.44100744

4.967475444
5.687147439
5.833496307
5.933409299
5.700208051
4.490528195
16.50201646
4.390716819
3.829267819
7.709007836
3.925373892
2.720144878
9.048779721
11.01636132
5.122812599
5.800916355
8.518843333
2.206817519
4.698355292
7.359094293
3.277793914
2.902164076
17.01392535
3.27103625
10.93924771
10.51320881
16.17577969
3.814808421
12.09346983
1.970157024
2.691505102
2.911002395
7.929445458
6.478367199
15.13884661
4.19899248
2.892399517
2.855476041
3.180279073
12.40797269
3.456532484
2.518848578
2.542714224
5.24465828
5.749841674
2.375971259
3.398059629

16.568454
5.857726257
17.57469073
2.779742339
3.842609403
13.28136069
20.17560042
2.972464203
3.497721172
4.157508964
10.50885009
2.702622656
6.094543522
14.14029182
2.631194378
5.296872382
3.615142486
3.492279823
3.555845388
7.348143238
5.801470704
2.499827757
3.132039218
6.816298898
4.992311411
2.447338156
3.043999296
1.94121545
4.725577678
4.993243447
2.633963814
17.30901367
5.072801701
2.657680937
2.726461866
2.639681248
4.525505421
3.284313532
2.099451215
3.676138677
3.186963767
7.768885357
4.343122234
7.264614101
4.927338452
6.003550933
4.584452161

2.724951749
14.43664178
2.545707494
6.737247645
9.807976157
6.048287668
2.69555284
2.498961525
6.774949746
4.931416203
4.425239887
2.914469221
3.228017462
6.986471275
12.75879353
4.690361863
6.082749154
7.664870796
3.818165248
3.987126345
2.43814102
2.525039696
5.773101007
6.397501397
3.106328972
10.64843164
3.599754745
4.581445435
5.568571108
4.727434311
3.023311677
3.748128481
5.545798461
3.803239467
4.259429709
2.616669397
6.537838537
7.479691971
14.61372679
11.23758214
3.227585458
5.188539183
4.497403256
4.542622567
2.644807002
2.869693924
3.066414399

10.07695779
3.441901429
8.220237897
3.577487057
15.23280627
6.019865321
22.71076362
2.883954426
4.738055315
5.751892057
3.479556709
3.880942671
3.365309597
4.245484492
5.888328277
8.352420819
4.979075835
7.426163211
8.73080087
17.96822121
4.84471342
11.66460668
2.598983829
5.18796929
8.124956658
3.711151353
7.95939089
7.165002339
4.177661675
4.248697519
12.0925481
3.821844854
9.47180084
12.4972515
5.177248524
2.866041899
6.010565746
4.356318283
13.58325226
8.850137354
5.203206529
3.401042494
4.704834453
7.094844686
2.727175
5.470006244
3.238518617

4.46921241
6.590426548
19.00189911
3.139017759
5.988717527
4.829169515
2.039704213
9.108577056
2.154849564
14.16872567
4.807624503
20.47526388
2.636542863
3.526270449
4.566037093
7.574604405
6.745273222
4.487955768
4.952366858
5.161546888
10.14776896
3.914020687
7.003422757
5.390251438
11.58715571
3.275056814
12.12126259
10.95976072
7.102660534
2.558712133
13.51767949
3.400595819
2.327873332
4.577803516
11.6343807
5.547496528
6.185365768
7.11244243
3.769652959
6.820334033
3.055504217
4.202273467
6.143576218
10.2833317
6.483495807
3.572499133
3.082898238

2.867851112
4.17168795
6.181588388
5.200161262
8.354921947
4.262892362
3.816738011
4.205490281
4.676467063
5.62840157
27.29680164
9.509578956
18.88134634
5.87960147
4.940639945
4.239355165
8.424662246
11.0088075
3.821036851
2.310866241
2.922941168
2.570807656
6.042108876
9.930413899
7.544246069
3.385912995
20.89889901
4.847090758
17.11371334
8.579632847
4.181326706
2.960203675
2.649062305
3.626355133
4.882465516
5.814301964
4.404493284
5.471175982
3.653820708
14.51468492
3.03892496
9.641243467
9.135621504
4.615597285
5.306647619
6.600558753
4.219035681

3.052432028
4.337774605
2.75131999
3.414865003
3.937701315
7.632263424
9.594715179
5.52081143
2.588098531
2.593084291
3.192110388
5.328785592
5.526360714
12.64303364
3.911091782
4.254084945
9.207530912
9.438178344
4.261171619
11.31054846
9.227940273
2.509517626
9.138021747
7.140797062
7.461047621
10.88899517
6.033430505
2.32254359
4.570500856
7.57892358
9.084845425
2.988963872
10.64744903
3.742676795
6.095139164
35.25435764
10.37991779
3.562789867
8.569450689
9.440264884
9.223384167
16.22857188
15.15121346
4.391385037
4.465944508
11.38491966
4.100282786

5.938659959
9.852827931
3.903542359
3.145195787
3.479416421
2.750792863
12.69986428
3.285767297
5.076280089
2.763697895
2.548565845
3.297979902
3.845410655
8.016553005
4.127839069
2.128144431
10.32025346
2.411718665
4.975934738
5.63110385
7.26270587
7.797765595
4.195761642
3.222061746
6.554387133
10.26363846
4.07660261
11.8540135
17.44986556
20.89581697
3.676695353
8.508265155
5.436862231
5.257781613
4.63629477
6.78951697
5.576301471
15.61934883
9.788683896
7.328226778
5.957234363
6.23945578
3.707449831
14.94164427
2.947459979
4.795896746
12.38982792

3.079763926
3.195281787
3.837444279
1.957719204
3.810768883
2.988147323
2.922273073
8.706716915
6.591522272
4.444399452
5.867534156
2.862578822
12.287093
3.438021602
4.033860209
4.460500403
4.175484985
3.677583291
2.625460492
4.284192619
2.5154209
15.55763811
2.227894059
8.63140728
4.118077476
8.624581512
2.141667521
11.33141942
16.15970335
4.900416877
4.800749389
4.938700839
4.7465983
5.184528396
3.202933864
3.900869906
7.711870852
10.78449901
11.32093582
4.541012603
5.786154026
4.442174965
5.051413642
4.526668184
6.941623218
2.272010515
8.806682496

4.50132143
6.66199898
12.50392293
9.37531894
5.319853278
12.03442937
3.638970144
6.181888246
8.404663381
8.065585731
4.040570402
6.385642703
5.162021942
7.209992744
4.498980656
3.222678351
2.848422018
2.340542048
3.597599061
3.892013267
2.91266512
3.321354062
3.889845097
12.02196126
3.304812564
2.620842384
24.96748574
2.831439095
5.585583496
20.17969207
9.414488618
3.258723935
8.3404102
4.331349038
3.22679131
4.688309066
12.49688213
6.112338014
2.861062414
2.819720364
4.245844171
4.78265917
4.447203218
2.589096249
4.098281934
7.089491627
4.980670247

8.70912034
2.485410827
3.319517851
2.514271594
7.522237728
3.052487031
7.442842462
3.77427664
3.864806321
3.201960354
5.054908381
5.438087288
4.08725458
6.126852051
3.736062242
2.69366454
12.43176283
3.222845834
8.544057744
6.697622093
4.332684928
8.903230857
15.78681359
4.341076624
4.555495791
15.65584851
11.58011631
6.041331583
2.782281936
5.422233837
5.741279095
5.766210328
18.02523716
7.096891634
4.284319538
3.713770069
2.496776782
2.262333092
11.55974529
2.311388702
2.616784616
5.064425424
5.36410329
7.823924263
3.042080375
3.476593148
5.482681762

8.013450873
10.07869371
8.521813565
5.782100807
4.126726976
4.767978804
4.634556167
5.413173593
6.362670066
11.40970255
4.570421624
5.925503921
5.24164045
1.746795903
24.91697926
14.7749762
20.43321548
9.28438441
3.034471682
5.092305509
5.305627533
3.761751909
2.493873405
4.424855621
3.739829594
3.487866866
8.718661695
3.047053165
7.488169704
3.362369105
12.09282499
2.429150585
2.574334852
5.115440899
6.616148135
2.608126677
5.041338122
10.31762728
5.250974749
10.38918897
3.518838891
8.581111153
9.17595451
9.001359289
5.012409279
15.39579135
13.36201411

9.485610512
2.7957616
6.311336081
4.167157089
3.051040488
3.866219458
4.493036178
5.546849169
2.045070814
4.489242778
18.35401683
3.881728907
3.346145023
3.724685695
27.95098296
5.975371186
4.543986907
9.352017774
3.462219261
22.73408479
10.72331933
12.37662677
5.133313203
5.743984694
2.716924301
5.571410864
2.481578507
8.061145328
3.925384271
12.09269638
2.712236241
6.840629835
5.898082295
5.786022256
9.776503435
6.717087473
7.601949597
19.49006938
21.12478983
3.669189764
2.469431729
4.713055246
7.92167276
4.774757286
6.116501208
10.73874015
3.379107952

5.356865234
5.438296724
4.272861814
3.258295603
3.725390695
4.507840013
3.274633549
6.023568056
4.260175338
4.568419038
9.38436129
4.318084855
5.490548478
6.923737188
8.354535234
4.817297918
9.524401617
2.405999845
2.871441286
4.293568001
6.264356123
3.835148328
7.863952861
3.217034844
9.905860361
15.02959513
13.43167282
4.433055216
6.221247309
6.182078911
5.931875384
4.277681082
5.471068022
5.950639566
3.884047196
6.356895846
4.239200134
4.891460376
14.06765695
15.12576185
11.69780664
7.792641353
4.893095793
7.367135272
9.041343471
7.644820452
9.644096934

3.625072358
3.317715479
6.016987648
3.905626575
8.884596398
4.051885969
3.658255986
7.638884347
7.417095717
11.29909273
4.269931168
3.776246834
3.278550529
10.67565056
7.06147713
5.278997877
5.684695009
5.066048933
3.847120992
2.599972763
1.995622206
4.794563673
3.05892765
4.17938173
4.688578136
4.626119713
5.162481847
5.656180756
3.63570288
12.05826524
12.26060769
3.971153334
14.18429914
14.72274921
8.927015536
4.130760749
6.671642285
3.684248748
3.729660002
6.622042487
3.222145462
11.91731658
2.377034334
3.388881727
15.68616343
4.043745499
7.203821209

9.554254353
2.519129603
14.77505018
3.858561067
2.627127032
9.301775225
3.983595407
4.391992003
6.410514389
10.79305218
6.023470879
15.52065706
11.63618516
7.033641093
2.951788717
2.772900159
3.050716339
3.844626526
4.198425157
9.08260159
6.62127601
7.287272872
9.817698657
7.360853166
11.14507267
3.957925875
5.509304604
7.413254649
5.84778699
2.319226445
13.38662539
10.18477067
13.13530061
10.50940641
8.435484141
10.05797654
3.647364566
7.162315277
7.954873483
7.653483982
4.811268982
6.639360267
6.874052138
2.908057836
3.927594901
6.141943944
8.007918978

4.524708064
5.883199907
12.9168954
6.792640972
5.616538514
5.263603261
6.660418333
15.21053574
5.015672955
2.53613824
11.11516264
2.972744038
20.52741207
5.497865706
24.15820681
8.124887321
2.905422106
3.693846838
2.544508106
3.652954967
4.169930686
7.456056626
6.096160333
13.40037726
3.851424949
5.358283477
2.850852739
16.14592893
7.142913624
5.005760575
15.41763242
4.950159052
5.187008328
5.014588332
4.345517917
4.979900077
2.444330091
8.601897239
5.580541436
3.978509684
4.836370546
4.896663722
2.931369238
7.936561251
20.17405395
3.174393622
4.520928739

8.369351559
8.189216544
6.075938044
2.248497728
10.72246688
3.833941792
10.93531701
6.984840397
10.67368615
12.1762995
19.51688633
8.280183908
3.716442108
6.752217253
6.044013245
4.980229615
2.166138286
8.863289276
3.249956931
5.084779062
3.763142785
4.529636136
3.58720359
4.259065247
4.863686049
7.781313306
2.827234783
4.052578416
6.926214175
4.114894985
12.87991849
8.593357687
7.852593897
9.361797264
5.571157812
2.558281866
6.764346385
4.237635628
8.917019354
8.525196814
4.293984677
2.665477017
2.864571254
3.045635255
18.83502565
8.870827029
3.330298563

2.742800982
2.992514497
2.812398446
2.954155393
8.71498146
8.711451485
3.693205962
4.457139329
4.922914535
6.157249529
5.896499531
6.299150666
4.37363087
4.314771296
2.974693268
3.108937889
7.091069918
4.132105013
4.344076579
8.086341529
10.91234071
6.363062026
3.914123233
2.162972464
3.378945251
10.69042778
2.289831404
5.71720039
4.870411374
9.899878739
3.660852397
2.485258558
4.571852594
3.544418034
3.49446243
12.901308
7.751961618
3.08333213
2.326620694
8.493495109
24.56157324
3.528086603
3.403434072
10.74607724
2.317639819
6.199578608
10.73845115

12.39552902
5.13756922
10.25891698
16.17330668
2.921400277
2.328718395
6.443303082
6.210588233
9.378093671
2.688242774
5.274313232
2.501060395
2.845148927
4.188957044
6.213715398
10.78524057
7.767055294
6.8523812
29.59620391
5.12277024
4.351895098
3.887120777
2.503264578
8.316567801
2.26892889
3.469526594
10.53974573
7.379865181
5.722353939
7.619338822
4.723161699
6.409807253
4.479580972
9.543962923
3.993868748
2.773537778
3.134581964
10.52331479
3.715879996
18.3346803
3.438252002
4.00239764
2.250759141
3.337049969
5.580549629
2.557040402
3.865096977

4.235933329
4.892821702
6.387900845
5.604967325
4.644048292
7.541264108
7.213906275
3.351792279
5.008245698
3.693208583
9.785995161
5.161142548
5.452838062
2.019420407
3.131983826
8.269278928
3.196004365
5.982328803
5.336564903
4.884846881
18.9260376
11.77380306
3.468390341
2.61513065
8.415859797
2.106329693
3.126185881
11.85909104
4.90994641
6.255094874
3.160122093
3.718426874
4.331730033
3.880204729
3.242878289
5.193871294
3.80294554
3.551608044
12.62495644
4.074528049
2.725998337
9.571880879
17.98037828
5.521480883
3.816921381
14.48768164
2.462867565

4.467430482
2.937013883
13.29789501
3.077162321
2.291375228
19.24471997
1.750569692
6.354212998
4.862925027
4.922308935
4.454432229
5.966770032
3.812333131
2.387056258
9.25542994
15.44651265
4.593678996
4.358159265
3.052685347
3.699052086
3.777021657
4.943257885
4.367090171
4.795585354
7.075120085
7.351440794
5.598854247
3.132623511
4.988335212
21.64466508
7.161065529
3.126664939
3.186438826
4.837472114
4.443071635
4.317249923
5.413540956
4.740584347
5.937305793
4.721833838
5.531227024
6.943900867
3.695907266
6.032906872
2.610046682
8.642429325
9.287641452

2.965307039
2.658015345
3.958011872
4.183594351
3.332163875
4.163771745
3.576335159
5.513218614
2.520844066
4.603647588
16.54167371
4.601426445
11.96793278
3.158979531
8.119493938
12.45524285
3.369071403
18.67186029
3.89038835
3.481539243
8.020778788
7.034914029
5.488138446
5.212456372
3.335527174
2.617539803
3.823110781
2.453917113
4.200098912
3.092067153
6.195934189
20.50543559
4.820240189
11.8602259
10.51507949
3.101131674
4.238071911
3.314161336
5.691787447
4.561974114
4.681842803
3.655093181
6.798875272
2.891306204
2.871404715
5.999056754
10.57560414

2.94223586
3.948551857
7.773512191
7.507717186
3.328283837
8.867133653
4.159695602
2.396130705
4.306150927
4.336218705
8.603139364
12.32317378
6.669818842
3.576125696
3.569491176
10.80235225
10.73092755
11.76148384
5.607313619
4.631046632
3.315912408
8.056605468
2.866642679
7.257403399
12.31577105
5.625524526
15.19041005
13.31048977
3.285456815
10.77893121
4.406804095
3.152359101
7.47317712
2.875028956
3.065303396
6.755255671
3.765851966
3.375050608
2.504820957
7.629435343
4.855294415
2.700964728
3.794302874
3.676165467
3.851555183
2.838334298
2.886748041

4.84675692
3.768066173
3.071126326
3.4723634
4.248335929
14.84803023
13.46964923
2.229139348
3.66105998
3.736459771
5.328248952
4.455086674
17.0826444
17.64269949
4.137210442
2.75116458
2.045599457
4.908756602
4.732836811
3.458335414
2.579097855
2.706024277
2.886896552
4.00234092
5.586346722
3.524002067
4.351714171
3.745229422
12.91450729
6.460866456
8.500971405
4.816642652
7.049324199
6.744201799
4.640187703
4.851583397
4.015354125
3.952344211
11.11855475
4.185146727
5.702938825
1.851826139
3.34790138
2.391676516
3.437456648
1.955102953
13.98893262

2.5315152
3.537667745
3.294197485
4.278547436
8.227894986
5.26738224
4.434455338
3.878794823
5.961068804
4.354737343
8.398400154
6.782699679
7.062836972
12.54990375
6.774606752
4.24509557
7.020291302
5.216117147
5.862953298
4.469278213
7.299056257
4.909729496
3.252051698
3.850042751
3.362782384
3.577604927
17.35959098
5.94170442
8.123616752
5.18734226
5.549138909
8.922930943
6.118790618
4.523586678
2.396553425
5.489943793
3.611525978
7.937959051
5.830905861
10.01482604
6.435917829
5.751169735
3.896834088
15.25945409
13.32192953
9.663737301
14.74519115

12.85950707
1.901140621
30.95355976
3.944700976
29.88758546
3.525823065
7.274260051
4.575400524
5.780553746
7.900937415
5.207669894
5.156850477
4.423038903
10.91399
12.31356154
6.40796672
2.394488812
14.58370455
4.8574228
19.81286404
14.75310777
16.74130671
10.21458664
6.367253122
2.104528089
6.264832235
2.270286787
6.466386467
4.944296831
4.312896083
9.974407866
9.175512817
5.049190731
4.153913025
16.70500895
2.879172302
3.133350848
4.622631186
11.65162366
6.469469576
2.650090594
14.63048603
5.399153149
3.355193
2.452623196
10.81783364
14.06039162

13.59992607
3.958157122
1.726855876
6.102201453
3.706463716
3.809652418
6.125981778
5.020742609
3.181439347
3.065249788
4.184883263
5.856368864
6.736246479
6.614400527
4.473850337
6.594799434
5.868285804
4.249483097
4.130888676
3.249360029
4.402808906
7.375949173
9.92604594
11.95380533
19.57128721
16.28473756
10.0053651
2.674117035
7.400421223
6.364934608
6.209488137
9.189889458
6.134650282
4.740772619
8.342282877
5.938799245
5.932296101
3.650299997
2.807070886
9.107934284
9.969107175
4.220707724
3.248632256
4.269878953
8.792213283
9.456532099
3.588498092

4.654245134
2.93648152
2.667260911
6.368020519
2.798802017
3.731609707
6.113361871
6.188000096
6.681093411
5.889412373
2.86748158
7.793368196
3.468688943
4.752936345
10.05866719
9.909054651
6.019357679
5.740877716
2.556120644
4.173148942
2.928540738
2.215613471
10.18945806
11.00977392
3.09451073
5.027778905
3.359762788
2.281312108
4.038245233
3.767085919
1.556136831
9.073244955
3.228245151
3.205946346
9.851860552
19.57752066
11.53064516
7.486938212
11.76543646
4.220163312
3.77981989
6.99014182
3.642004341
2.91501609
2.006833757
3.931775676
10.67376861

6.794280903
3.445414057
3.957009208
5.68918707
4.719646947
7.858070382
4.170289936
21.10371694
8.829679707
3.747890366
18.26486304
4.109800982
6.950883991
6.993886193
4.086228679
2.545421302
15.58715866
3.407251882
6.613416848
3.477849691
2.799588886
3.90009185
2.954192355
4.378119424
6.185060198
2.278032435
4.50495258
4.188166766
3.951279574
3.475958626
7.842074626
3.407963798
2.781632248
5.135775018
18.46330238
3.674622036
2.34952512
2.701518388
17.45937797
3.899177122
2.883308608
6.739574796
4.175926168
6.227331144
7.112820056
11.05501278
4.704636352

6.133817322
6.760657243
6.172587443
3.744323185
4.327780491
5.333226312
5.232146033
3.467554469
2.383531356
5.96020307
11.43487641
7.69682907
11.06215481
5.210041072
3.126143075
3.229295466
4.592660941
4.808818263
2.730992471
3.266109765
5.486386296
5.8188672
6.648821882
11.32110585
5.259206546
3.45802343
5.379639196
13.07985336
3.326658745
7.363931606
8.627607356
5.216140962
6.746533912
6.455058289
3.839446839
5.278032236
9.647419224
3.97446498
8.222633192
3.09046652
6.331301033
4.905104503
3.244771124
4.644263595
5.384491436
5.127821558
3.559996379

6.970939245
14.92486038
12.69287725
5.819629262
12.84762108
2.802465711
3.135550269
11.68329611
5.093701947
7.854855082
4.695582871
21.90324022
6.438230041
5.545280415
3.527122506
8.09431062
6.577385799
2.919687692
6.180268469
5.855307032
9.642017029
2.573974544
16.22449561
3.135322135
7.58522596
16.02792781
8.660460184
3.382899876
4.086604076
4.848430318
2.549442788
19.90652593
9.178964792
6.949938907
5.36857214
4.894353623
3.868139045
6.715387838
4.127838753
9.653643374
6.364110629
4.694231312
7.444314547
5.796771633
5.527160905
3.320736409
6.040714181

6.896370357
6.425822895
2.902254906
3.232377076
3.053587759
3.731982497
3.280224732
20.48189601
10.42038996
6.59277762
4.292095506
7.816657752
4.458875631
7.17003183
8.0082892
7.371583347
8.763901461
3.501556198
7.915951702
5.614467257
2.528478016
7.16696776
2.457432614
5.346916416
4.834943655
7.573968186
11.36031812
3.276796368
2.831134353
5.505006198
4.176186028
6.984863373
2.515025077
6.01004598
4.998784238
3.369179162
4.452384674
7.032139697
4.989808291
5.414176878
5.491145938
2.374474727
3.459544264
3.894949815
6.528361417
3.310283764
3.701160302

14.60770604
5.233480598
8.476929105
4.433806148
3.563261574
5.727695687
4.99194648
5.655284085
3.475677286
15.28048842
12.75284884
3.075895823
4.770617776
7.230207487
2.653531333
6.119586027
11.84707727
7.850846157
10.18414076
4.314257152
10.65189224
5.757112422
17.58053833
2.910751978
2.846996507
3.331718371
24.82254862
3.005729371
3.986600776
2.883920212
3.996948226
4.702732935
9.624114075
3.232562775
3.579402293
2.432355433
3.965161024
10.96292531
6.180991451
19.7937669
4.952631527
4.52002481
2.763696018
4.343043055
6.142235758
3.003714337
5.342961875

6.670597569
3.358795156
4.959372135
5.364160897
12.35136891
2.30135721
4.824271588
11.11675612
3.86497581
3.645088485
7.462127834
5.823093788
16.05925445
17.73026673
3.83596712
2.62791941
3.967509846
3.204262995
7.006070509
4.631069851
7.585022791
4.399660884
6.598903533
12.5595392
5.039484151
13.12544791
3.616753575
5.025393971
4.333454543
1.934559776
8.96022422
4.389707629
5.42960586
3.803948015
5.435149665
8.0305931
2.541683322
4.419574241
3.691903165
3.644282934
6.530728793
6.560194092
29.69827508
7.486718453
4.809781558
4.375986478
3.789970034

3.87844543
3.656046037
2.935519989
5.835709072
7.409709379
6.326192052
5.501178662
6.894715556
3.919158553
9.211459945
6.408038776
4.373210675
4.907095301
8.490678342
3.898483485
4.067140581
2.906309407
14.00101089
4.592784362
3.517990545
3.061386062
4.212994469
4.160631468
4.029974194
4.442072242
2.679792185
5.871205878
5.63008913
1.70211329
3.985522368
5.572163259
2.849569586
3.594239633
12.59636876
8.193353733
3.374799405
4.550252358
7.801317141
2.548731266
2.546046694
6.134395097
6.064207304
7.200640208
5.515465794
2.809530521
3.369524815
7.740401986

3.342710871
4.133715839
3.248462154
5.251883881
5.542582413
5.129776208
4.661405718
2.837674509
3.213256198
6.336553629
11.06853131
3.415924314
2.953292842
4.796147813
6.39233357
2.67548782
6.544028304
10.00829768
3.186557873
4.571172927
6.849377318
3.984938541
4.870613869
13.82323488
2.397400416
2.535839056
4.50978008
4.941236327
3.805959613
5.768935992
3.503679317
4.766822223
6.524518881
3.059573836
9.382399659
18.10139444
2.562152416
4.235769765
7.274726994
3.971270332
3.215031275
22.03480223
3.856328009
3.488957521
5.092814179
3.464985586
3.862217698

2.518209473
5.171112316
3.722460074
3.205228516
3.866207294
4.847304606
4.2541825
3.371057921
4.300669021
7.011538646
4.353753938
3.262655754
7.60588273
2.490267751
4.65790486
3.133323525
10.98166947
4.422983249
9.232687461
6.262790882
17.49153538
4.019303613
5.907076803
2.139466879
2.891683151
4.080574587
4.09061069
5.414934623
3.55428654
5.826748351
3.483784637
5.120924429
5.562247463
10.67494882
3.624966183
3.925773898
2.684347853
4.507841618
3.441215234
5.942936586
3.729912
3.804877141
5.000860556
5.441975088
6.789915034
3.160589095
4.769541196

7.165795475
2.563283261
2.587193907
4.005045061
6.152900777
5.323663905
4.112125001
7.285553274
5.109702906
3.022258328
2.720860521
3.013389913
14.03787699
7.175297862
5.403832322
5.06029496
5.167627517
3.981460871
4.5115149
2.779541871
5.178601708
5.249174767
4.349465198
7.23757448
12.94229923
6.232333752
3.219497161
10.844329
2.891302599
2.840850468
3.18215569
6.598314434
3.396912241
2.828505918
5.956028673
4.015508035
25.93335169
4.751588285
17.22958605
16.2143562
4.489552209
4.939334279
15.5079059
4.630317361
4.094781698
5.328112757
5.543278001

2.755282985
13.28448091
5.445419385
9.204817496
1.898677558
13.08760482
8.860283101
3.75589878
4.462785062
6.758110205
5.367826031
3.974686434
4.449244547
18.59286425
3.687261975
13.72502742
11.20086438
3.843046075
4.543963033
1.679667463
4.756287426
16.91130003
5.362105503
6.250408409
3.004573238
7.955707766
17.40401497
6.464643741
3.743488098
8.950842947
3.72543637
4.074645052
13.13277223
4.891351717
3.072740548
2.306373709
4.685485344
6.993221727
5.49783628
8.269043709
2.59630056
3.890834793
5.40795499
1.955141162
5.044120262
5.22275189
3.849890162

9.163101365
2.628038955
8.458140348
5.684144604
6.007222849
9.629806164
2.735880432
4.772784004
4.745897623
2.748084855
6.485613696
3.83887126
4.314703708
6.582894961
7.932347833
3.275249671
17.64546733
2.721349157
5.593161038
19.28787062
6.563831654
6.12918464
14.66690356
2.472872541
3.949845354
9.262753271
12.80749535
3.832679558
4.362103264
5.143026241
4.9965672
4.198788604
12.50210064
4.339384421
3.187404734
4.232174839
3.78198685
5.530167389
3.404970753
23.7666685
7.504775969
2.204392278
4.370452032
5.668777174
3.899544284
4.288521396
4.799011937

4.277625684
9.376645083
3.639010557
17.21817578
4.139921437
10.50233928
36.23967685
5.64151945
3.910597615
5.60468363
2.756785745
2.878785979
4.122737392
9.098482977
9.098278387
2.30317746
4.683436557
10.05424798
12.62232267
3.011923528
4.238164128
3.880952862
4.325525821
5.234327632
5.04456117
12.90652426
6.022157141
9.633650584
4.879639901
8.027357805
4.519498179
2.823585361
5.108238074
4.479067653
6.211046188
13.69816995
14.4413921
18.34739337
6.060502676
2.209336364
5.797801142
2.391060481
3.978062743
4.662051575
6.260081818
8.980889562
6.238212898

6.277278614
5.850424732
2.923499314
7.14756711
6.819029693
3.787839082
3.018412504
3.444537922
6.719956047
2.378282096
3.982322352
5.63200818
5.112656294
3.485826558
8.411143807
1.883897002
3.999271319
5.840103055
4.386732514
3.394658441
8.480440908
6.152964738
7.716105466
5.562683757
3.241024738
3.287507388
2.397680654
4.579005438
4.824282213
7.003735716
4.265463468
5.255500542
3.547245622
5.659845607
2.980265017
2.783774249
11.65523958
2.371414694
10.63364654
3.815105231
4.158455112
4.904922916
3.089336102
5.03503897
3.331949173
3.846545156
5.553319861

5.092840065
8.944464914
6.09493356
4.750093711
5.629569713
2.648292736
3.16255784
3.18014187
4.485840609
3.291294239
3.635185784
2.324281923
6.612672357
7.09941533
2.450761824
3.130800786
5.340328784
4.459254957
17.95711187
3.477804019
14.73021777
6.608481681
10.78169996
10.9580556
7.902875898
2.768450577
11.51762826
4.555787022
9.575088071
4.836407524
4.90006594
4.629059042
3.637356779
6.601193441
3.456670616
9.971155524
2.825430327
3.129112387
3.067675156
10.99327363
3.665651843
17.22010958
4.50775346
6.420349014
25.53385553
10.52284044
15.73862493

2.909125626
7.089635366
14.73294231
8.880925174
7.458861345
15.38378853
4.678105556
2.036964723
4.011291441
6.171843218
6.382431825
5.765755491
3.035393332
12.54071203
3.953609453
3.453532789
3.20093232
5.302809396
4.811097108
5.120130191
2.996172313
9.024151965
5.959985541
4.346888644
4.261935843
4.939727271
2.409395211
4.376917451
2.915857014
4.221081536
2.779220164
3.685225758
3.745737138
3.767660693
3.949216892
3.375591955
7.216167956
3.975492574
4.300091334
21.43670715
9.466516717
11.86940089
3.592795643
3.707512036
3.557839164
3.525852554
3.530680572

3.505771529
3.437330274
11.64938457
4.697963378
4.940522091
5.421693913
29.8712187
4.531526713
5.45413919
4.273894574
4.996333752
10.15021517
3.953808973
4.616962653
3.769438063
3.762985071
4.663849153
2.696802592
7.781835456
4.511212066
3.320930712
6.436454205
4.783070664
3.054955048
6.857522
4.022295168
4.346242845
3.918440317
3.590089169
3.898252647
8.742726436
6.050699132
3.028269742
4.160754894
4.117552001
4.079305607
5.286785114
4.889375465
4.134993112
3.517967023
2.870566895
4.2098737
4.713830151
3.777199678
26.05451596
4.827283544
3.746969068

8.595031702
5.267433539
4.564174898
6.415492631
3.502384187
8.41238285
7.74948927
4.349342487
9.217465661
6.722074371
9.559286569
11.78967383
3.25172111
11.97875038
3.956361325
4.241418165
3.859399197
3.702735893
12.46989819
6.755539621
11.29586711
6.218240738
3.281096674
3.089726399
4.567655345
7.22141285
5.758175262
5.172006802
6.150133679
7.280014435
3.763791896
5.838838045
10.06535861
3.074971885
4.03380055
2.631535038
5.337923344
4.991907796
3.921090164
2.782463805
3.828090435
9.819470883
10.03489572
3.810430719
2.84050778
5.239035791
3.086660408

3.121132447
6.239458446
5.232458286
14.29920812
10.74753547
2.801204158
2.213913993
3.471374727
3.609764468
6.42602425
2.852965038
11.4043062
10.38319473
3.049275252
6.922997257
10.98322808
7.130817375
4.870870528
5.470599851
7.312619122
6.037661965
3.084763081
15.44101738
3.595485311
7.55176658
3.397421994
4.613080334
2.296330627
3.056361199
2.974404137
4.912093181
2.542762878
5.18016269
2.612693855
3.746830717
3.584848837
4.070321161
5.749700738
2.839674527
4.061954248
3.389191465
4.033013366
5.630760671
7.604487138
10.62404962
3.549692557
4.693124975

4.615334082
3.474416795
4.180175807
2.503128633
2.290288599
5.212522699
3.471185949
3.572607409
5.696928073
3.730620308
3.626521183
3.082392181
13.34555673
3.767591996
2.969388726
3.194012647
2.507757979
2.943590357
8.155085085
2.548434418
6.009370034
5.981336262
12.33533063
6.208096479
4.631668794
2.597970149
4.85754535
1.690501923
5.461761237
5.661919646
2.006589491
2.861818921
4.731221212
3.423173258
4.748203763
4.754181533
5.140316989
9.238893091
5.000667144
6.257171219
11.01485698
13.8541849
5.865485527
6.469280189
8.887068351
4.872821167
5.593754336

5.700602909
2.537522713
9.572529173
4.772935327
12.20484971
3.715915299
3.700738765
5.343296323
3.313657134
34.30399608
3.251067205
3.811226316
6.173588989
3.637542942
4.970668524
7.774079467
3.739570397
5.112576658
8.486447198
4.676572507
9.112161937
6.146116367
4.207640008
10.0867587
15.1518257
2.733995113
3.574871491
3.860257308
4.552254092
4.293184653
7.80347397
3.752673913
4.75437132
6.890501987
13.79261987
4.520454074
5.212503592
4.353957018
4.972495006
11.01390442
7.517312031
8.449585071
4.326420321
5.38158257
2.591160452
5.806650857
3.382670847

8.911576592
4.343376533
5.84108893
3.770671351
3.741906468
4.916220031
3.152686565
4.712216658
5.799053644
3.761121534
2.574536261
5.893106218
4.197447873
3.074229397
4.749481707
3.531313514
4.474729616
2.674504376
11.58196481
17.05889181
9.111919102
3.409129315
5.16074621
5.006752794
4.269214613
3.516609533
5.13946649
3.894899412
2.526883742
7.139926875
5.437058582
4.66544444
4.367202673
19.82938534
3.480154541
2.750323454
6.841298649
18.73675932
5.867560601
5.240904857
4.819178478
3.569318708
3.957543175
3.459402053
7.837944517
17.46715071
5.737544868

4.156483669
2.223065962
2.65347347
8.277165119
3.277180587
4.219473807
6.458362375
6.904604818
5.369163036
5.036180555
3.998909903
3.97930845
3.833238678
4.505506814
3.650031625
6.600085706
3.393082925
16.83387934
7.235033242
7.035460599
2.989667759
6.289551073
2.354729305
10.58598677
10.23118068
1.604595113
3.249885169
4.596885755
2.992744808
2.525810189
5.116448851
3.512289706
7.132539044
11.60439225
3.865067138
3.59130907
15.47603254
11.24254204
6.137095557
5.747597893
2.791221442
5.68529354
3.210480748
7.020118885
3.520664404
11.32146179
4.873599723

5.854726749
3.646711287
7.084020245
4.543884248
6.352728751
8.131144256
4.2610395
3.418488981
6.625194547
3.025027234
2.486766927
2.430692374
3.621457997
3.306478769
1.633585039
3.539369914
2.390361705
2.186436039
5.533497322
2.128387751
3.412084479
2.88409116
3.498707011
5.631059695
5.923244183
4.756397304
3.537049459
3.173065129
1.941051545
35.33952351
3.459069089
4.321364052
7.539897691
6.209139475
4.20503189
7.069135259
3.256707581
2.947334289
4.070074615
2.351612313
3.606322833
3.935533207
1.914630408
3.89137939
17.04148416
9.048732885
4.840741082

5.239584305
4.901422099
20.62435542
3.07298946
4.940001796
3.767557459
9.287113812
4.581778527
4.737855563
26.4373275
4.128558349
17.37995681
6.673588782
19.18915199
4.811733863
12.39283943
4.258942095
3.155996066
9.694101881
10.25382106
9.211999416
6.18674128
2.882201114
5.279004841
5.804741002
2.715968108
2.217419723
10.86849825
7.863658109
4.942328182
4.261540586
3.518512208
3.332224739
8.20406191
7.955894415
4.303448322
4.795130468
4.097328022
4.04557219
5.181706179
2.149569505
7.520440613
8.865525068
3.395979158
4.204548374
7.66960933
10.94526564

12.64635541
2.42771254
5.148713378
2.743715902
13.4115549
11.39184588
4.526409334
3.637058428
4.632727476
3.269532616
20.47509696
17.87020696
2.577940065
2.270153408
2.145262318
14.08313569
3.711893307
6.058241726
12.94292009
7.769162868
6.886342991
4.743043045
11.11984284
5.624033107
5.995131069
3.041156447
3.24165273
4.575726907
3.696890264
6.206861391
4.970033597
24.96048374
12.1527903
7.637477508
5.956140579
5.733768586
3.795293171
2.452651921
7.224348135
4.639479344
3.631836588
5.557397374
35.97618082
14.95815864
6.656697198
8.222157738
8.813713352

6.009892811
4.528416578
4.128913262
7.79471363
3.296016901
8.989048072
2.964457852
9.067034969
15.94993868
4.255739141
6.485923807
10.48732246
3.670221216
2.832279469
3.12624511
32.82382353
3.819428307
5.664045587
4.408239711
6.819360543
2.179241133
4.766584039
17.46046911
11.16504235
3.048699956
5.423540438
13.64742673
3.628194749
1.897459376
9.296575296
3.737064276
3.667880742
2.429049114
3.656270864
8.831071538
2.523329248
13.91605749
2.898923921
12.61500524
7.262969756
6.706154706
7.687400704
4.795181224
2.940679427
2.740093482
5.375218424
2.042314604

4.343349091
3.589055187
10.10834417
3.435985597
6.542237075
6.716731748
2.512520974
4.67733528
3.809578879
9.247706528
3.06049983
2.758633659
5.293423487
8.505042147
5.186204104
9.895827159
3.017875512
2.949143937
3.452161361
2.538169362
5.479222495
3.376511927
2.675384523
18.07180953
3.197975728
5.81573904
10.12143389
3.156675315
9.276462305
6.685592985
6.170692779
2.478215145
4.087657094
4.64761187
3.723495999
3.407358746
15.17564039
7.202809947
2.640664853
14.75515387
7.486063773
3.915130129
4.477548862
4.583699229
4.941037103
2.19634414
3.95889999

4.145719529
5.684158018
6.761715377
8.954765286
7.737885189
3.784074735
4.205725516
5.672897129
4.613055613
7.957441838
6.556813822
2.254190318
5.510327639
3.089608499
5.533897312
7.167934174
3.14503769
7.222072519
4.68576272
4.567181611
3.178168072
2.746475633
3.25814096
3.743336416
3.453616608
4.142754162
5.124795855
5.11571457
6.051804278
5.713036531
5.451156438
4.539604086
4.001286573
2.692212689
10.75744191
2.613577962
3.560110532
5.976633845
3.464330546
6.170358491
4.624271928
10.06330299
3.626690137
11.00115628
4.333873724
5.544656325
3.066661816

5.742066083
3.452953965
5.131588951
10.36011663
5.624088054
2.952762255
4.55752911
9.126686537
5.165985787
4.719562004
13.73415788
4.551846584
2.062193382
25.74955951
16.98758099
5.210251221
3.22455373
2.759593533
4.081261666
2.987378211
2.985912538
6.419565116
3.523166193
9.773649572
5.766579186
5.634676502
6.198538427
3.320564623
4.419190326
2.330295826
4.453050649
4.116670663
3.180660316
5.019841207
5.252067967
4.372605076
3.806465272
4.627853098
4.748684432
8.213003101
5.220281651
3.951307903
4.255203407
9.610283557
10.89725072
4.950439571
3.101608963

5.314388649
3.046750608
4.388713311
6.528261835
3.714290453
6.139535137
4.15786013
4.157648188
4.500291678
12.26139128
6.525903752
3.718652706
6.768349128
4.63689095
3.962583794
6.189506603
2.907881143
4.163334128
4.353195354
2.681192927
3.547456799
4.586823872
5.774797828
6.18629225
6.18461395
9.606320122
4.078695808
6.078116758
3.545763211
7.090974485
5.976316787
9.012041406
5.30506277
6.222104782
6.788489892
7.013865797
7.061734349
7.965521736
3.594636861
2.947803692
6.805395125
3.066493491
3.583955707
3.470392102
4.283850597
2.542188082
2.596334883

4.692942905
1.946740852
3.92602468
5.264747057
4.995249328
5.122698409
7.806187338
3.697390288
3.392110488
3.226943101
3.245917087
4.13596738
4.863806652
3.140448295
4.046594479
5.748778455
4.306416799
6.597607495
4.801437832
3.014897994
3.447552819
3.52344719
2.084717582
6.127294258
2.819572537
5.186884376
5.502128264
3.539143095
4.797093656
3.279032745
11.49194085
4.996570652
3.864706549
4.093938446
4.107827055
3.417633758
2.415768852
4.791738032
3.864610843
3.144694339
4.911886129
5.031649431
8.449994665
6.721115601
5.18134594
3.033098134
5.947117972

2.977385995
3.89470015
2.722901931
7.988639334
3.310717606
4.255321958
4.112880271
3.036048506
6.734193019
2.722815073
3.799968559
2.911556002
9.321389329
5.61532916
2.731867409
3.855336843
5.775509315
3.776449825
3.519800147
4.43092303
5.566833644
2.751738181
5.743614694
2.778877287
3.791448237
7.072335832
6.785597303
4.827609861
11.18276649
4.335859147
4.66235942
4.99264067
4.49237611
3.605655138
14.25312312
10.64492594
3.889802089
4.659268229
2.51225222
9.728179516
6.877425583
6.969593004
7.07867308
3.013752174
11.72604759
5.430638533
2.769592319

6.447436173
8.516116898
3.463930778
3.31478303
3.943637017
3.093865729
7.4745656
8.633829988
16.8282006
8.779469391
17.9574708
6.413155285
1.482622155
6.123431829
6.903330771
5.313967954
9.259686258
3.545037774
15.28932443
6.817909574
10.14260845
5.180445616
8.338191094
3.928939873
8.052670209
3.220759084
5.426937391
5.667881811
6.018083042
7.435521566
5.466215874
9.62573542
6.090218911
5.2710578
5.54063437
10.59372956
11.06288521
7.769165543
8.86941028
4.317757232
9.021362722
19.75010469
3.815241405
5.671381421
10.92879926
9.957875877
10.47669046

4.897050107
4.889894842
5.962280829
8.925355476
2.935953104
3.950054674
7.957861431
10.08506776
8.413458791
4.559927476
9.243111283
2.342202323
5.906122929
3.395822961
3.441818806
3.483667441
1.956859657
3.324928623
4.035278237
3.548348083
7.787333525
3.434590181
4.123105173
6.220948379
7.543633121
3.425103814
3.43682551
6.42308487
4.723625289
7.619430551
4.728400088
6.157371084
5.968975529
4.677933821
3.656037262
3.635515724
2.780591278
5.223293569
4.545536365
6.472198462
5.988518072
3.286760347
4.171953978
11.23189174
4.025578244
16.49232658
2.416023962

4.148266802
6.373757411
7.093997555
2.762152349
6.812616493
11.03368389
10.80056107
4.976529232
3.328166955
11.67114754
2.943138678
2.736001709
8.677103257
5.763172138
4.694680134
4.214221667
4.640631102
5.524386003
8.632225981
6.216768046
3.173705837
2.395176987
3.797420779
8.930907163
3.093141042
11.80415337
2.428810706
5.771688282
1.545254063
1.155160449
3.758075315
3.823033891
3.519726454
4.861353719
3.171993419
3.291202267
4.219941499
3.519521682
3.508558344
5.273240808
2.819527247
6.628558809
2.82366965
4.973070287
9.068077047
4.880578043
4.621265534

7.498803736
4.728582373
3.965537009
5.763180509
2.451767065
6.20775942
7.819197592
3.704241979
3.796793986
2.759573914
19.87390921
2.90627103
3.615107842
12.9297667
4.947717004
3.972538183
7.970551955
5.039765546
4.529071976
3.847080822
3.759946833
3.109107855
4.30576405
5.275759069
2.860899689
8.100046753
6.440166696
15.20655625
3.264390843
5.066226871
3.788753739
2.642178925
4.060246697
12.6547373
5.037519523
4.046388811
3.577929628
2.871528534
5.874923182
6.257485804
7.774856266
5.737144304
2.875919114
3.005318801
6.725994623
4.689756067
2.591504194

11.79758035
2.801633036
4.57718328
5.293816879
6.722545087
2.192277517
9.405410184
8.071327801
2.757671099
4.746671303
2.46386736
6.701007691
7.397404244
7.69897161
7.449099571
9.934579477
3.257169189
10.23223808
3.484143879
6.625987416
20.12556528
5.394625645
8.959415651
5.712176266
4.882665562
2.416603867
23.556477
6.117022324
3.890172748
3.996879163
3.751112177
4.549451897
4.150741737
7.288875238
3.673321343
5.679796995
3.102539127
7.002074759
4.514465642
2.925567614
2.627841291
4.501350116
11.90285918
11.53169752
6.483968624
6.643302987
3.576621278

2.053096596
2.878279422
2.997478366
2.023948968
4.489327217
9.262876009
7.6492618
9.358882438
3.686067778
4.57856624
5.517617373
4.86414366
5.121734963
7.924207936
7.150021954
5.521780755
3.540579576
6.91379609
7.215466085
8.102131651
2.827218547
10.38846746
6.377053339
4.740565116
4.705486914
4.393659301
7.873320358
3.917528719
5.486276294
4.6058298
7.524787235
3.549991927
6.042160713
12.56345077
4.495813541
3.429768444
4.544674254
8.520903553
6.265474834
4.958129446
3.40640225
6.106380485
5.706898729
5.677479181
10.84997471
2.983614154
4.800277779

5.769147831
4.865896496
5.544160478
6.061963643
3.707847473
3.820686253
12.93180134
5.445699357
16.44010009
10.24979991
3.141728817
11.04061577
10.05277094
5.895618953
3.124365994
5.101776473
5.92287331
5.363055256
16.20927751
15.14851988
8.057356615
2.61563891
4.639464189
3.639914302
5.150475247
3.382495486
15.52294733
2.939580957
5.331960106
3.508357055
7.059917485
3.985972425
2.843321007
8.042135932
5.848418696
12.00121837
5.733906731
5.096987982
4.419953641
3.427947517
6.825507542
3.233107297
16.9568047
8.346658933
3.518748966
3.560533219
21.21463642

4.41494262
3.060554514
3.67122821
4.58254681
4.220780086
6.182932101
3.325464469
4.699247513
3.70093734
3.046009089
2.793741456
7.598754783
5.07330065
3.614737995
16.49598168
5.030701506
3.788996415
9.181769587
5.202381912
4.801834319
6.04405328
3.867602072
9.968447596
2.883277791
3.352143255
12.92842645
7.361335313
12.47448343
4.482281711
5.480869772
7.606576732
3.105396656
9.984988963
4.184642725
4.019822286
4.52121114
6.140810076
6.71590921
4.333138059
4.314811085
3.812838869
10.85057569
3.644997108
4.279478786
5.346084649
5.92342862
5.77733517

3.973120608
3.828459723
4.608113738
6.240078515
4.078143575
5.155798442
7.13794253
6.093185552
2.298300481
23.1226905
20.42855161
5.58952101
2.953807586
7.941512035
4.567961073
4.809051318
5.644625436
6.180449849
4.057334745
5.304398363
3.044361089
6.181411181
4.124175878
11.99987157
8.637650079
12.28823347
4.257133122
4.951766905
8.116846011
8.041262381
10.96726242
11.65975131
13.11386187
7.099449555
3.284192047
7.371027207
5.399638432
6.75338367
7.121651303
4.322840209
5.441145604
16.70224267
6.280605056
5.25193191
3.937000624
6.994429222
3.320873973

15.79575718
3.277370829
27.51936237
4.9130045
3.891046822
6.180358705
3.597340797
3.859971145
2.21296579
5.463554252
3.503603345
6.765296167
4.95465826
5.914805986
4.589770136
3.964566923
4.198576774
3.367749492
4.677024012
4.021275454
6.287384119
6.847992807
3.441609055
3.739219708
3.948384014
3.175855994
7.698585402
14.07589983
5.733209832
4.733922227
8.856766637
4.006853264
2.578029066
4.846796205
3.85727068
28.45459559
7.968955956
6.976742043
1.819493599
4.508536837
5.018936557
5.838722455
2.827348915
2.988207117
3.478356899
2.806948077
10.17392911

3.753649783
4.539416182
7.012277881
3.833542003
3.059208974
5.30714623
3.924002198
10.25885883
6.5319826
2.561054494
5.095151517
6.493440729
3.693652386
8.234441287
3.991379441
5.405337785
6.661043657
3.235386272
8.210048761
4.341295705
3.954032734
9.315897034
7.337950722
4.263028008
3.545473943
6.399011161
7.763084965
6.916675031
4.221222895
5.267836009
2.911050406
6.149572354
11.34819595
4.306021348
4.244972794
4.10846871
4.869635157
3.897655634
2.407046031
4.031086658
4.809888192
3.6614637
4.654799864
4.064689007
6.150402985
4.275274123
3.663024306

6.467595041
4.394934873
12.63719269
4.093474699
4.795294563
8.23911801
4.322132033
5.102531965
7.656022511
8.716415313
6.276349496
2.891870113
5.911806739
3.390795459
8.4627588
5.483488183
5.708728511
4.623295069
3.435624894
8.346599531
6.632604771
4.189289922
3.92128441
6.242131728
11.21034826
6.700489327
16.94752061
5.966473098
4.771393625
32.71632719
4.507357012
3.015380251
2.732731428
7.555895741
2.714239369
3.684461791
4.308001446
5.136772458
4.202222922
10.44468614
4.892547602
4.816310331
4.796761105
6.444234815
2.664503582
3.799472146
5.673753209

5.664647837
6.245777105
6.458150265
5.25207457
3.957629285
2.036511058
5.687647815
3.694122606
21.23555555
3.737862446
4.388928082
6.199061639
10.4016764
7.478279234
3.250221216
2.093792893
5.752592212
7.707526417
5.254766188
4.907548995
5.860949057
5.361145509
6.292268848
4.642380311
5.892693844
4.901465697
7.397645097
7.717549294
2.863238898
1.963099978
1.967212154
4.071446593
5.600853675
3.072724495
5.88053034
4.442939206
4.448551661
3.691698389
3.458616944
4.725477064
5.613110594
7.962721673
3.261701348
6.287646434
3.032508518
2.970808406
3.178966355

3.348777807
6.088151963
5.250924532
5.521301093
14.19871857
4.678708635
3.866358373
6.515470947
4.728886661
4.977498772
3.763153628
5.095583831
2.358442866
2.571096562
5.182426935
3.003937172
3.37389574
4.99769685
9.699877003
3.996825838
3.710640171
14.3195214
4.529208256
5.050605305
6.244829826
5.273430749
5.799828832
15.0094597
5.283615003
5.633811772
3.26316501
3.631605377
3.241751434
36.66377015
3.345860663
5.545996826
7.382743479
6.032974873
3.909781658
7.103219466
2.602611626
7.390674598
2.918257972
3.541464216
4.681024397
6.079029286
8.503954493

10.05427102
3.957296863
3.501005322
4.988392824
2.649559457
3.462475551
5.809411618
3.768846902
3.297356127
5.312891089
5.028199802
3.970099073
4.659783408
3.843578922
3.269114173
3.033565681
3.998429758
3.259924513
5.700790363
5.619297655
5.293363969
2.122975493
4.35579396
9.204276153
4.21253219
13.54386203
4.66563926
4.420432432
3.170221881
3.294093073
2.546538559
4.353178173
1.820705473
4.01409471
4.368215828
4.125740682
7.420905068
7.626425382
2.999608579
2.649623824
4.66149836
3.842921124
4.034301154
2.684187147
6.753690964
3.763874215
7.955107694

4.15623359
5.222192182
3.699938955
2.074726483
1.744579776
7.426735755
3.517375366
6.583337736
4.45568703
9.44199633
3.951522594
6.076265089
7.196052902
11.33951491
3.984607837
4.937484339
4.695103841
8.513525781
8.423163307
3.104687749
3.398982598
2.486459252
3.952397999
2.585241394
4.395806899
6.607228798
4.725843841
4.608020399
4.53529373
6.618433357
4.336149429
3.710928314
6.575152988
5.115785014
9.668279264
16.20123737
4.961642767
3.221140801
3.651064341
2.489180208
25.99682328
4.890105932
8.126355523
21.05686239
3.171008884
4.279317572
4.539896256

5.877430712
2.241274488
4.221542553
4.465051325
10.65953424
6.151154703
5.362368896
8.544790822
4.898640618
4.874683733
3.482639605
9.257172914
16.71730122
3.088530222
6.893300711
2.486784295
4.706361989
6.784516907
4.693194921
5.542988236
5.691551906
3.767745436
2.971343689
4.017909234
4.477728935
2.381641802
9.624683144
7.664668646
2.830625532
2.775491982
7.989447248
4.857217431
3.108459901
2.795320528
3.792541949
3.427682833
6.753095982
4.879959732
3.50777786
6.030936472
9.768454012
9.715900984
4.128723803
3.858912117
7.681190322
7.791012989
3.335103318

2.958813578
10.50691924
3.627528603
3.221283081
7.849978473
5.615932882
5.727616556
4.394453168
3.217457721
2.570841651
3.270937859
6.142880149
5.274948926
3.070048273
5.68084221
5.110302096
3.123929723
5.191018974
11.66082105
17.64120142
2.180826635
26.09276588
6.726817799
9.373020035
6.697215761
13.34795634
5.20558864
9.774207685
5.9357072
3.426706181
4.237542694
4.6458744
7.042691615
6.720088517
4.403979191
5.578436258
4.00256312
31.39145299
4.311406955
4.409343419
4.904611785
6.779737929
3.994337403
9.217255948
3.552327003
6.681786331
5.310130285

8.525935462
12.62520808
10.33107421
6.084149489
5.44887989
3.622013314
4.154779269
4.326378542
2.940818347
5.867748249
4.140087211
7.594630406
8.677887829
3.525331334
3.450198311
4.192896837
3.261141235
4.764543176
14.18265742
7.03063434
17.63607949
3.423124739
3.611536852
3.14263482
13.42684948
5.435437388
2.697201268
6.609256285
4.706393166
3.971907204
9.320264927
5.805510215
3.429605406
4.131128124
4.965299396
3.440177259
3.609707983
5.043302425
3.843035351
6.980495802
4.022296099
4.107326074
3.020676908
3.109526723
3.765364729
3.121650296
3.976822628

4.109566586
5.647111087
4.951973565
5.898932446
5.830057136
7.292518628
11.33700899
4.959561606
6.226649269
4.083354167
6.692670886
6.558970018
14.71836181
9.948571505
4.862584508
2.331305035
3.943720552
5.120857058
5.645217594
9.895878521
8.023359363
5.328218078
6.748817854
9.394470599
6.202313991
4.726102812
2.366267749
9.795459645
5.476083596
3.268802855
3.710878168
3.991804471
11.86811926
4.799214082
4.573969021
5.315430136
3.572831507
4.798434335
4.595514006
5.427923983
6.751855438
3.25416875
3.888412954
3.788618354
4.826323064
3.055587809
14.71888123

10.78884907
4.190969957
5.667073408
3.858035772
3.766456843
4.195184457
11.13759956
5.995477274
6.626796411
4.003398591
4.960974834
5.494672482
3.063141885
5.345038565
4.891698763
7.489378143
6.796397965
2.383892198
5.958713004
5.86959518
10.08188236
4.794246758
2.598520554
4.480058354
4.159715333
3.323444938
2.871509397
5.901969499
3.249173037
4.923941995
4.287192333
5.182340734
3.822580523
3.5859088
20.92703937
3.484547944
4.929127278
18.47936978
3.424214638
4.865664339
14.41281727
6.371973479
5.052893003
3.403768432
5.179370877
4.10455964
10.19750259

7.799069617
17.16646707
5.484458835
5.361364704
10.09459924
3.578421608
3.978855932
30.2009373
9.901378398
5.541937787
6.911259475
6.512139757
4.923749123
5.401203236
6.065680231
3.578574107
8.595193755
3.315700912
5.190828592
9.554540847
2.498443265
4.158480714
3.01730953
6.142275883
5.523860936
3.261388006
3.646084176
5.013075599
10.01211629
5.874635752
5.693873819
2.168477206
6.114451794
5.375388612
3.025692253
5.443946212
4.338438389
8.017224033
8.378883168
4.307747122
3.330058557
3.83103162
4.148085105
2.868576474
4.086017443
4.675111893
4.20872035

3.90092678
4.527823533
2.225246583
5.354646366
4.686157686
4.345074599
3.651046948
5.027266874
2.933133246
2.885640594
5.346329881
6.954455906
5.23111512
8.759523821
8.543733391
2.526106865
2.903557639
5.533544796
4.194511117
4.881872999
3.217050845
4.283459678
3.873116255
3.225041796
4.315958404
4.658025598
7.931868135
3.215318266
3.357809378
1.957654969
3.640759537
6.309382173
6.460211509
3.93190227
7.464209525
4.452035654
14.16759852
8.433477862
4.466756685
3.52433337
3.29964743
5.500919233
3.008415899
17.03750244
5.584068407
4.226094818
6.528418106

10.85642066
3.355841817
5.098224739
3.127723084
6.649411519
12.45133641
3.350804669
4.503045776
6.77643846
5.317639279
8.933110689
9.54808524
11.65715526
5.475521207
3.574902276
3.590952853
5.77727785
3.911264278
8.052139704
6.65100783
9.096276853
3.008187989
10.5736444
4.466146025
4.585892588
4.756919021
3.331947409
3.911551522
9.79037071
4.195272014
4.876601952
6.971970908
2.865638983
12.16509913
4.541104774
4.188478563
2.92201524
4.130959705
3.323869913
3.398131475
5.440158802
3.767764331
3.44606867
4.202089255
3.087957145
8.140870298
4.445001616

5.952796985
5.543212814
9.360820426
7.267622877
5.888118004
2.621422971
12.46941528
4.801572349
6.380413397
3.673326264
7.593990947
10.38202566
5.228715622
5.307382796
11.26255527
5.744814438
5.668671308
5.010657877
6.075882781
2.849741177
2.740690224
3.938268343
5.102733192
4.295472368
3.549948318
9.641236418
8.238678482
3.627862128
3.621845498
3.203262914
7.599137623
4.16548492
7.285535824
4.093256181
3.919864926
3.671264573
5.452284431
8.614470542
3.599623101
12.27817632
5.552889211
2.104375519
8.030065084
3.895096345
6.481414747
4.639074681
3.851372595

4.073805739
1.788717931
4.218969799
7.677408219
6.958528159
5.234712661
5.475513159
5.007322843
3.592088295
5.850883873
5.249898336
16.97287729
4.293846209
4.63111439
11.75317711
4.8435456
4.127458481
3.679560349
10.8181166
5.239293722
4.879066455
4.653730019
5.805401788
5.995744768
5.105638645
2.856507111
12.53598796
3.691919159
4.204267773
2.361497802
3.633312568
3.771512592
10.48475162
3.543486214
4.145109599
4.929298537
6.010612705
5.878328253
3.139372161
5.269570543
4.943323769
8.080015754
5.516032126
9.428386554
3.044501148
4.044115912
4.98068835

5.886556489
2.782814927
3.992066626
5.816901023
5.519285999
4.518093365
3.304983424
6.777788127
3.775212883
4.917948988
5.22626264
4.734969754
3.277126188
3.876579671
4.543293416
3.603438638
5.378394511
5.209544633
5.177260976
4.728877458
6.796745007
6.18233047
3.246866445
8.645866836
2.932690293
7.008088923
6.171596417
3.530046554
6.173170916
3.953383853
2.347754613
4.147115561
4.060104153
8.224334235
4.912040413
3.193624417
4.412410343
5.175032876
7.393246539
7.354836652
2.171348306
2.736207101
7.063748573
4.593577113
8.998612797
3.12490613
6.714257923

5.711348698
18.81581201
10.05627107
4.36505301
2.658114655
2.671201631
5.65939973
5.700584579
3.658593543
3.708507013
8.036046043
7.301631383
13.45335979
7.301150288
4.09431356
5.881170719
3.752788028
3.29225092
7.795051053
4.529231111
8.194614222
4.444303592
7.489962461
2.390999734
5.807785669
6.178499024
5.409523964
7.664444409
17.21892246
6.252716538
4.248654762
5.460483814
14.04268474
4.119892598
6.669382021
19.95944301
4.624902859
4.682173377
5.306072471
6.041731524
5.802292733
3.574005705
6.196052893
9.337963252
2.595530456
6.393470958
4.659456909

7.687312817
4.957836331
8.634898139
4.212009771
4.622631278
5.018768255
6.785684068
8.892975126
9.367383776
5.608010636
4.080738638
3.71451872
6.081312978
3.040887308
3.339286948
1.966227626
4.30175605
4.563815411
1.857384543
8.849511934
3.930207165
4.589665771
5.468532154
8.222341284
3.23376811
5.703149095
4.825549179
8.303649264
3.620031447
7.184534927
3.336781597
5.177366136
3.592645695
3.571554282
3.490421754
4.215016208
4.516044113
2.556562998
5.63655413
4.522947567
2.672562257
3.429493098
7.312743507
6.167518058
3.977767969
5.04162214
12.18529094

7.302508762
6.555281356
3.972152001
5.615955082
2.455097124
6.861286164
3.79876843
2.964027995
3.857323803
4.056792509
6.492979017
6.845730954
8.267068402
5.02226014
5.043930639
3.799866537
4.852501293
6.303471329
4.611722866
3.706958906
5.489916256
2.864390068
3.820950325
3.941387022
3.020573816
2.052870957
3.089821278
3.900744738
4.265258177
9.341164476
4.219100789
8.676306596
7.562377727
3.78485117
9.06269255
5.853949861
4.395832702
3.764641403
4.793341837
5.781373533
9.020579124
6.113799731
3.926549718
5.867382222
4.032401461
1.816920907
7.329247366

3.58810628
7.441776366
1.883040326
5.930323575
3.204119866
4.327641022
7.885480441
5.670117216
4.652649141
5.097512939
6.211243158
8.61051001
10.512645
5.264148255
5.939888726
4.730252045
8.419019924
16.07993953
7.962071922
9.73379029
8.790466712
4.280414087
5.756312585
4.585732853
6.550121366
3.492244444
3.204001571
2.655355441
3.557690914
3.94131531
6.313307593
4.033583904
4.731055596
4.036645951
4.306324183
6.097781442
4.339523227
9.747364446
5.066047658
4.650633999
4.862727655
5.744412342
4.999300671
4.536736974
6.00733375
9.292316353
4.705173229

2.941893445
24.50400352
3.221320465
5.452093904
5.804526414
4.629759591
7.178136991
3.139715665
4.097204094
2.746156235
4.813340273
6.178397646
3.160267063
3.932286982
3.81181938
3.443724178
5.968997054
3.573268757
4.840446587
3.439536639
6.221952797
4.354552701
5.534215887
2.206302449
5.473329224
2.405771799
2.676587779
4.804290964
4.081035456
5.620878692
4.956515593
8.214960368
3.410833271
4.354405995
5.000867377
6.165930714
3.082349014
6.571826217
7.767053786
3.360054701
5.457860905
5.573109149
9.558798444
6.416588661
2.40450839
3.764435456
5.571708162

4.695160631
5.740990767
3.661972664
3.595711326
5.678094594
20.90754882
5.719505429
2.875162854
3.514811275
3.185593587
2.928540617
8.009063684
5.738386582
4.068726694
32.55974582
7.93913764
4.472480137
2.70841345
5.340380239
5.211599949
6.521354996
24.79393828
23.02766562
3.236960788
9.018037358
10.45426021
6.343791315
4.542701231
2.629775805
2.756705647
3.679554361
5.912016258
5.508898869
4.632769875
4.806215753
5.153021262
7.158696282
3.955659796
3.689144372
3.949613223
4.821674816
4.591727148
6.986342404
6.107973083
4.221476255
5.953405122
4.263415181

6.767271113
10.03829075
4.608024154
6.337667428
4.406109482
4.338159868
4.808651816
5.924851336
5.291314407
7.762193795
3.742186278
11.41911393
3.749256513
4.964371564
12.25062184
4.818059408
6.413976145
3.072171317
3.863659285
6.254220278
5.812471588
6.28505133
3.864230473
4.920145026
4.278118546
2.257885915
4.165367559
5.476978467
3.074559564
2.51433975
5.624081888
3.293007882
4.142839982
3.786387386
5.010154318
2.938568444
3.54885662
5.298695576
3.986057687
9.411078041
6.124067765
5.868677084
5.518376213
4.231490287
3.393154102
3.715517834
2.603989756

6.950008041
6.563748807
2.268485742
3.041711617
1.581375807
3.332159146
5.269295412
2.560699469
3.352864777
3.832997937
10.17938132
2.597628076
3.861065293
3.94544529
5.451847297
5.6124327
5.925921024
2.653320262
7.129410919
6.397396364
9.969963842
5.537140516
5.458247171
3.939541435
5.268617497
6.532776758
4.389739311
8.076889483
5.013673972
5.424437109
6.066137433
7.214978659
2.272960511
5.076466844
8.187695395
2.952493347
4.441193235
12.83544995
3.202080725
9.739518121
2.836528883
5.750108164
35.51182685
11.22862082
3.872187848
7.729024924
3.841487427

6.142535719
1.974834234
9.414188809
3.257086055
5.061575204
3.963649121
3.133476607
3.113861404
3.714453005
6.800760274
4.440330906
5.692657591
4.260255667
3.215903491
2.900557916
3.946614563
3.800375904
7.534099687
9.03517775
5.176225369
4.706419681
3.557564749
4.037850069
3.269917281
2.874821357
4.243859896
3.515649064
2.834923222
4.058969687
4.45498045
4.842077242
5.311935032
2.954279075
4.060671515
3.815599547
2.694324948
4.440331749
3.502424538
3.411267299
9.132933903
4.993794689
14.25317002
4.156875031
3.7860633
3.179104204
3.786440911
9.021713497

4.274960327
3.1960212
5.708174709
3.680110091
3.754676948
3.67888067
3.949655722
4.951190276
3.667050894
3.063106866
5.063506178
2.22647088
3.500923597
2.819592261
20.88565479
5.584574717
6.834146669
3.196974457
3.412142182
10.44439195
3.163190053
11.53422668
3.529646111
12.01976937
4.081873874
3.696868272
8.273215079
4.768481791
2.889431453
2.96797782
3.651277648
5.551384764
3.304211692
4.717369625
4.153644796
5.96919412
3.313552412
4.820975109
4.28445942
6.102230579
3.777282929
5.782442768
3.897010874
3.042839984
4.173179539
16.7044181
7.556838537

3.958461103
4.278350015
10.86161836
7.668146678
5.657116995
10.07016977
4.742547193
5.866109971
4.916027496
2.437787826
3.29056103
4.679563074
4.174264038
3.742016875
3.617256357
9.156692761
18.40943919
6.059784287
5.002123162
7.72500189
6.968733297
3.944878718
5.175001699
4.710921264
4.590887895
7.720832579
5.852661849
4.466557671
2.840158593
2.296704983
4.635428038
4.328071124
4.365332167
3.240869372
4.450472725
6.815989806
12.14960622
4.252384343
5.360748936
2.706015499
7.441364352
3.945323829
4.898471499
4.944935212
3.889798129
5.098614818
4.863503469

9.530334915
4.177566867
3.202447049
5.059598942
5.240887616
3.43768941
2.396131526
3.881463503
3.462708152
3.176985076
5.827128874
4.681770102
3.196441116
5.826125656
3.70336708
6.67370164
5.090848543
3.589781249
3.496427253
5.906076949
10.06065368
3.560249069
4.012123124
6.886118481
6.252697721
4.928227686
4.438278367
4.548550076
4.560269262
3.215496644
6.030898875
4.029497345
7.935853297
3.447109825
10.5699092
3.919310546
5.447330062
8.102139416
3.405208215
2.281248514
2.725973513
4.642668157
3.889782498
4.279807363
2.775882887
4.540541174
2.729753895

3.58051762
5.401834423
4.489440467
4.468485704
4.611974781
5.537648619
2.310306558
2.9741859
4.933697865
6.283589797
3.88120245
8.610197013
3.548576859
2.4443774
4.322301026
8.281496452
2.822672174
3.050047464
5.845316023
4.704256668
8.069284549
9.286038031
6.521718173
18.5939632
3.384396367
4.066383143
4.174051224
7.640162907
6.965947599
9.410489864
8.140126781
6.814405611
4.661515582
5.214877338
3.308755442
4.733430983
7.776154556
4.051678882
4.078376491
3.349296601
2.00839687
5.30025791
4.72314395
3.992673703
5.118669985
2.343624167
6.841806035

7.25003852
5.179462971
4.467667655
3.908409443
5.161452515
3.993016383
7.598227846
7.874947133
7.778402789
5.138450343
5.652428771
6.940136275
3.730327074
5.613054869
7.406226865
4.588479858
6.783970407
6.526660617
3.834235275
4.794688318
4.834181952
3.647915595
4.320315608
6.914513085
3.449558924
5.49569196
5.646180361
4.579177753
5.236071461
3.093614652
4.153634818
4.680228539
5.064171154
5.784666865
25.47254654
3.931107222
7.481936895
3.266180671
4.554916628
6.262790377
11.77659273
3.484317232
4.270282188
4.019570267
4.427194554
3.082464367
5.397152394

7.850188698
3.879815168
3.125470577
9.950361872
5.950625225
3.667179645
5.641032126
3.839172668
12.95676124
6.763085277
3.331107134
2.849334239
11.12967303
5.27976733
3.485522784
3.260545595
5.51285855
2.013733639
6.596871212
2.663503976
3.399359878
8.657800713
6.25158207
7.910781178
9.605816059
4.677752225
4.23499168
6.252959285
3.554704971
3.41021512
8.336944098
3.420438989
3.855336243
3.863054142
4.524768126
5.354557267
4.505654804
8.560614159
5.421648999
8.082832046
3.387619902
4.632385804
2.802039207
13.42820851
2.442397183
4.040480045
8.345607109

5.69750415
3.071219926
2.799932793
4.34600498
3.094896132
3.365381526
5.585176904
3.703651799
6.326392033
4.244248661
5.38760314
3.338452061
6.382129123
4.518904877
5.036916652
4.457406738
4.951541595
5.37657761
5.200644753
7.415877905
9.170842857
13.31293084
10.37714108
5.367520069
4.871441332
2.871102223
4.385797663
5.649899279
5.472515074
3.406402264
4.029572498
3.702331286
4.811815604
3.688648634
6.685255362
2.530006056
2.636761638
5.524614598
4.736591011
6.158595473
5.901985341
6.656358663
10.9248115
5.821406093
3.491258704
5.557351375
4.642985977

4.516421122
5.831117834
16.61521512
6.721998414
5.90150544
4.704967781
4.711817157
3.283533226
6.285436599
3.206563485
6.047390266
4.268685177
6.491688814
5.006844593
5.308228842
5.007499987
3.454397235
5.041914676
3.504235579
3.039624688
5.293209991
4.253135516
4.48619313
4.099284676
4.897903916
4.605352193
4.656281809
6.254493482
5.439254456
10.50198026
5.515643537
6.518699846
4.01096842
4.459766312
7.756491349
5.215609273
3.171152521
3.120399138
2.724864715
7.892612898
6.338664435
2.535271188
3.95647705
5.238550207
5.758333439
4.933987791
5.254478448

3.669527771
2.894152667
3.671843105
2.275008431
4.99065534
5.047357056
16.99910852
3.087099354
5.278793825
3.923664446
4.72668205
6.026765229
3.834966123
5.692077084
3.297978018
4.116760093
6.037297591
5.860750701
7.876730579
3.268300869
8.102437877
10.42209435
4.421824332
6.454488769
3.102546166
17.22057114
6.399824985
6.070188844
6.369592061
5.118704186
8.646050339
5.098425516
5.579979287
5.423752768
5.157270552
6.084639312
4.128585438
6.106097682
4.09273405
4.04570977
5.029608076
3.998357846
4.39501798
3.87730156
5.977510792
3.862872678
3.915324717

4.521404818
3.671976141
3.013484654
5.870886627
5.399422716
19.17383208
5.164384331
4.084045765
6.111992834
3.978936424
7.27619194
4.90104628
5.088465471
3.403007572
3.883679127
6.047998237
6.633352252
4.740963707
6.28494047
2.831022705
5.305500409
4.391221798
5.93749488
7.651348579
6.524974543
5.284038543
8.493084461
6.88231766
8.604588752
5.735383473
5.146572161
4.10833991
7.294579687
5.807263907
4.483859833
4.073062453
4.986220307
4.357663349
5.219877552
8.137602359
2.779754065
4.048075576
2.243834792
4.442575509
2.479676802
4.794678783
3.993918005

13.3618617
6.559090169
4.807583579
17.40935454
3.324192433
17.50874835
6.451623273
3.447117177
3.847247262
6.913008308
3.531985928
5.65223637
3.016552426
3.687583198
8.471805871
2.22296404
3.128272626
2.44914811
3.782644141
4.936305458
7.712931038
4.500784589
4.548385207
5.434383415
4.00942604
3.747975801
7.379300993
10.67955518
4.379261113
3.631200929
7.54204726
8.466098932
2.572303847
5.198688969
4.400217528
4.644150269
7.177810459
3.836613107
8.480822224
3.986523912
8.091382393
6.747321526
5.739751734
4.422013096
5.100192368
6.609770616
5.011142277

4.773677229
20.09725327
3.430815423
3.523836348
2.465080632
3.816017084
3.250376487
3.378103461
5.172676308
7.076355019
2.998466587
11.51020641
5.353912107
7.041085469
4.815019564
9.996620432
3.367419898
7.78081239
5.418879533
6.765409306
3.709698368
4.089235277
5.993999003
4.701016834
6.464295823
4.999876744
6.815738764
8.653525194
4.168830714
4.620688383
5.631195075
3.541846104
3.46197497
9.271129622
6.280816964
5.918570173
3.522729513
5.580027802
3.401645118
5.422051641
4.715937711
4.596369252
7.811656669
15.97056393
3.281265951
3.776328102
2.456541882

3.731198403
6.20223211
3.582553035
3.652759659
13.87893027
5.415480579
7.481826701
4.203204164
14.6379974
4.941298201
10.71233725
7.925809748
3.399340526
2.436369019
9.599194009
7.097617354
7.336479453
5.701575103
4.580703046
7.781620121
4.300157301
4.021316643
3.637622594
20.65662547
17.13533287
5.249070733
7.595874372
6.463035389
3.063551824
3.780106969
3.035811332
5.70966884
4.904129909
4.62941684
5.502893638
2.639538205
2.2960943
4.84547484
4.537755463
2.983357067
5.464477705
4.405545999
3.828680132
4.704727254
4.855233492
18.56016809
6.274507863

4.115995376
6.394919136
9.241487574
13.93270748
4.544949428
3.498781775
4.150551466
5.75854575
4.611234093
8.086281461
5.41735891
3.658177349
5.494463725
4.499627468
3.184735241
6.674496627
4.556885302
4.40754967
5.561903779
4.391408176
4.25856534
8.019444637
3.572081832
3.05140285
3.796923535
5.062347535
10.12005493
5.053250995
6.675055976
7.585295588
6.675528668
6.014146331
4.245882215
3.947228831
2.249713265
6.803244948
3.595949754
3.509404158
10.13297695
28.16687635
3.465062315
6.462964021
5.087479404
11.42227821
4.659861639
2.423012896
4.912814313

7.971098061
5.008081961
4.9726929
6.496745642
5.150460339
4.552015455
6.369396603
6.535871412
4.573715696
5.02638922
6.16623948
2.570161263
5.648816548
6.144353171
3.528280268
5.254063127
3.393907377
4.01760234
6.843834445
16.5250977
2.875030688
4.205697932
7.773393405
9.326137674
3.119043365
15.9661386
5.469441946
12.04014856
6.231686633
5.453637861
2.876696015
7.021750804
3.871482712
4.646565915
37.35875033
4.786869201
25.26322644
5.612101271
8.102638062
8.066760089
5.307695768
5.369182417
3.0193477
6.870584883
3.352591621
3.213022533
4.482908163

3.682434027
2.976633059
3.635366088
5.456985326
18.97652982
4.587972536
7.828498372
3.006640623
8.217084433
4.177252395
3.020064755
4.277860227
4.18115496
3.462259329
5.281634745
2.434850079
2.48900078
4.400127461
5.294159327
3.821704516
5.814976909
3.367121862
6.044830363
5.780801569
4.026243527
6.27295267
9.953739142
4.153667631
5.544120371
4.119278155
15.26429691
6.550320921
3.138886031
2.823346921
5.337928057
13.6402523
11.67310407
3.634188188
2.462326168
6.7431834
4.06510555
8.248520745
6.349035422
4.121162935
3.662403048
3.7888369
2.872313942

2.953894202
14.50643147
3.223880689
3.273629536
4.404033088
6.762457784
4.917555345
3.713930422
2.9561621
5.288143585
4.506233255
3.052942833
3.268226382
2.800778349
5.640542505
5.398866481
2.581290087
5.977267895
6.196410831
4.297585541
3.468450339
14.10426736
10.73330944
3.8039475
4.437489006
5.759880083
3.499624019
9.294963855
3.305384643
4.193770656
4.341762176
7.352479723
7.591461671
7.066168232
4.654986246
5.50934613
5.350372501
4.396387236
3.631099903
6.225693732
7.033155237
3.143982404
3.957699623
4.178384688
8.961403996
3.492218891
14.26989544

4.095719735
5.558092014
5.16002816
2.65569818
2.00022756
2.036946532
12.59769601
3.915984796
10.70998292
3.315474119
3.706502299
14.34170496
4.804523424
9.971304641
5.977223397
5.433568894
5.571215506
2.701324182
4.925804186
5.915079247
7.005813927
7.631691833
4.26477713
6.610759784
7.563068705
5.37517144
5.743663402
5.384912071
5.931111138
5.563194615
8.004966945
4.288937327
6.856876185
5.32313355
4.385801051
5.265424
3.510213118
4.995394405
3.63077475
3.75953663
1.973649178
9.843665924
5.609247748
2.691552982
3.634953706
2.61385338
4.018344002

4.350089667
4.255306652
3.751984431
4.134041246
6.88933269
5.605409847
7.488670069
9.107339397
4.437275004
2.465261336
7.111624507
7.245867447
5.65391147
5.148620877
3.692822175
7.595894339
3.655460172
4.577338755
4.075965952
6.584097736
3.557064495
5.904834259
3.274611296
7.475739044
3.280274008
8.926375695
5.241403617
3.829854576
4.452274067
4.39635657
5.627383146
6.044157247
4.623916359
6.151519654
3.720053416
5.818678374
2.442753908
7.251778522
6.938337333
4.687058483
2.834916403
4.836019964
2.689522389
4.804737842
14.91525027
3.296394911
4.059330114

4.015077422
4.072027434
5.008626046
4.938786117
6.635901977
5.551262792
5.353399045
7.598826628
4.399198622
4.198573273
4.547889433
2.48490776
14.50119216
4.643862679
4.000458517
3.752018352
4.268510088
2.710560607
2.9888908
2.512843781
4.182635984
4.76890068
4.737531271
6.92723704
3.862105517
4.104315931
3.607760105
4.446156148
3.16689971
5.077893178
4.092526972
4.492372481
3.676102131
5.004076788
6.173709206
11.04541279
3.668197961
2.661448164
6.665384231
3.629356062
3.61513168
10.96420348
4.047901129
2.868154733
6.399997037
4.750240564
4.479378109

10.19671737
8.78020499
3.656138187
5.836292671
7.254932254
5.242166901
3.832829544
4.295846976
3.11338537
5.571480532
4.127220602
4.884268871
4.71999353
3.11603693
17.58795879
4.135882518
3.335695341
6.104962108
4.471536996
2.635483986
4.962986557
18.54118648
7.885086823
4.941303677
4.103603958
6.869250594
2.941954125
3.023304252
2.56051932
7.124291878
3.503817944
5.214780988
2.598791681
5.573976051
3.151460395
3.499133516
3.898651541
6.328090864
3.138327985
5.09922203
5.767083074
6.613135028
5.752919141
4.649205374
4.874807588
5.151370947
4.626766608

4.49929831
5.415111463
9.194485257
7.349164539
3.365988093
4.840928772
5.21071823
3.186729191
8.389225715
4.438768955
3.852391366
3.615673681
5.984130136
5.252672387
3.528498473
4.128424685
4.37727545
5.647382464
4.707103053
3.159469843
4.497470087
5.51393201
5.617033709
3.521894765
6.057738295
3.532763628
13.62768127
6.142000011
3.315579528
4.678542644
4.760666131
3.404916593
3.943401076
4.728457863
17.6429395
7.78752812
4.433617453
9.566035595
3.489326152
7.177332906
2.513071102
2.865862711
2.335285198
6.700480449
4.158406474
4.299153626
5.29295713

4.776091415
6.180980795
7.224019489
4.623783337
5.785367078
3.563014107
7.505395359
16.17595416
5.310882331
3.578532841
3.674663225
3.657692722
9.001634046
6.593581744
3.384279024
4.015576804
5.048544785
5.178639292
4.036226246
2.590997729
6.129300521
6.025554391
6.070978612
2.643410023
12.28062084
4.153235564
3.048680773
4.132179872
3.336201439
5.656022324
8.299086495
5.396341462
7.711234292
4.339269793
5.238414009
4.638141503
2.674333274
4.333091363
2.407957863
5.909250832
6.131620155
5.555185507
3.273722254
5.590337583
7.204340746
7.219141117
4.953271694

5.129636273
6.863405387
2.775460104
7.782570842
4.001074169
6.08280518
4.924026247
9.016105641
7.721004629
3.666315529
5.598299355
4.007953083
4.777271129
5.179316914
3.019733414
3.29771058
5.13543611
3.768624033
13.95214305
7.93537915
5.442260285
7.217566661
7.432273815
2.894747349
7.021531841
2.710990819
4.718632838
4.982673229
10.2757576
5.108133182
5.503852773
5.780407364
2.840146404
5.979767436
4.330152661
3.148970772
3.391212542
6.92718664
4.610355697
21.52270001
3.778324801
3.95861451
3.176789763
3.810419293
7.63279498
1.979441746
3.656848746

3.096995491
3.570859418
5.67751109
5.270838672
2.812674755
6.473955604
3.47591334
5.62679023
6.409322872
3.897547979
5.76367009
5.300075687
4.593777471
7.561435418
5.417085368
4.034286607
6.695240243
4.147165267
3.548866028
3.178587387
6.495730262
8.917886466
4.315580125
4.487546518
5.241301898
3.509612965
3.422348838
8.918243023
3.575812483
5.138603885
3.560634057
4.88818829
3.404337686
5.572657
5.529946474
1.934698412
5.942795544
6.112854386
7.031137607
4.266728626
3.21002839
4.68875367
4.454371129
6.748160653
5.824994451
2.623613594
4.298829971

4.697988174
6.541642884
5.96839798
5.640274043
3.541561036
4.309953975
3.311527956
3.213186568
4.80271421
2.574373984
3.634415356
2.708641849
5.326732653
4.940179688
5.439875856
3.478587195
5.700376778
7.175795087
6.820871393
3.64102862
4.559292623
4.315003111
4.454862819
3.979472143
5.746883582
4.510633424
4.001373904
3.102971078
4.669008764
5.852172539
6.23196839
3.05220382
4.370973612
8.615717317
3.554177588
4.948393454
6.318728451
3.293137624
4.209082177
3.947251156
5.912212964
4.540665723
4.00941464
3.906522119
5.933140519
4.836212123
3.403304583

3.631280561
7.679194123
4.139250691
5.380236596
2.503484942
3.786451464
5.86987006
3.491443189
3.074557997
4.514000361
2.934018233
6.589225427
2.890083108
4.01813896
8.243267556
4.332466428
5.168833671
6.999445817
6.304165263
4.468273671
8.882986174
5.188918336
3.179530014
4.160857822
5.926269359
4.104578567
7.06810037
5.150712329
4.891388159
6.680611341
4.856837966
22.7934734
5.98305473
3.19297795
11.36723386
7.643349732
3.526313567
6.687454053
4.88217482
7.205336328
3.146454335
4.670857653
6.224089397
3.680006744
2.318936237
3.569054809
6.578623809

2.452393831
6.350227715
3.352830202
2.864711818
4.768597642
5.286088926
1.987505313
3.75669384
3.796395357
4.488120168
4.697173743
5.052622915
7.250372441
1.866852967
7.016169022
3.119965194
3.738980235
3.752703794
5.510777171
3.500799969
7.016460528
8.651794956
15.51501948
5.709873887
3.36199059
8.826905188
7.908880285
14.60082778
4.266737301
5.620450288
7.196637918
5.502325377
6.932894811
4.404169416
6.343404728
4.55118054
6.703655451
13.83673359
6.373934776
4.513776492
2.034668058
4.547749742
5.032293128
3.131324595
4.967834224
3.928489539
4.171344511

5.158750259
7.388841359
4.113306037
5.56727213
5.2580622
2.08805506
5.761765608
4.908362418
4.996587653
3.146447197
4.141711295
5.019046807
4.102020914
7.791483118
5.179668718
5.500410579
2.351617806
5.574516601
2.714638929
3.89038338
3.420895924
4.315700588
4.056565294
5.869318212
5.498596467
3.960487339
3.669327522
2.133255533
12.04369188
7.069987462
5.596628409
4.238641477
4.581378803
3.734986347
3.116047949
9.345332522
8.485719517
8.04200068
4.861005218
4.219979849
6.155524045
10.28408957
7.475814933
5.937783496
5.642027031
4.498689605
4.567662256

2.964048484
4.09310479
3.171897668
5.083916434
3.760704188
2.502103206
4.059799332
16.02054523
18.27883569
4.399772598
3.316827859
5.02523466
4.519276192
5.255159002
6.231443267
3.545838542
2.833969762
3.958336998
4.682442498
4.801786569
5.037505921
5.242080017
3.045731699
3.955973124
3.259566801
3.998264488
5.127423965
4.21184187
18.86205545
5.483061546
10.30429675
8.224408159
3.087374804
5.557990125
3.566033889
4.511451954
7.163876182