Table S1: Smiles strings of compounds and predictions of logS values with QSPR models

id	SMILES	split CP-ANN	split Qsarins	Solubility class	Experimental logS	Q-D	HAT i/j (h*=0,0293)	NN-D	dist (ED_{ij}=4,195)	Q-A	HAT i/j (h*=0,0224)	NN-A	dist (ED_{ij}=6,783)	consensus 4	average 4	SD (<0.5)	consensus NN	average NN	SD (<0.5)	VEGA	pkCSM	Silicos-IT	AI	ESOL	average-6
1	FC1CCC(CCC)(C(=O)CCCC(F)FC2	TR	TR	insoluble	-4,397	-4,626	0,006	-2,932	0,327	-3,929	0,005	-4,121	0,097	-4,228	-3,902	0,710	-3,848	-3,526	0,841	-3,720	-2,944	-2,81	-3,14	-3,1	-3,26
2	O=C(OCCCCOCCCC(=O)C1CCCCC1)C2CCCCC2	TR	TR	insoluble	-4,096	-4,494	0,004	-4,501	0,367	-4,366	0,010	-4,840	0,327	-4,458	-4,552	0,207	-4,685	-4,675	0,246	-4,590	-3,639	-4,26	-5,77	-4,23	-4,53
3	CC1CCC(O)C(C)C1,CC2CCCC(C)(O)C2,CC3C(C)(C)CC(O)C3,CC4CCC(O)CC4C,CC5CCCC(O)C5C,CC	TR	TR	insoluble	-1,980	-2,959	0,127	-3,455	3,548	-3,264	0,086	-1,980	0,000	-2,031	-3,537	1,600	-1,981	-2,718	1,043	/	-5,380	-1,01	-15,58	-12,79	-7,35
4	C(C)=CCCC(C)C=C/CO	TR	TR	moderately soluble	-2,321	-2,354	0,003	-2,760	0,404	-1,943	0,002	-2,676	0,087	-2,126	-2,433	0,370	-2,691	-2,718	0,059	-2,300	-2,817	-1,84	-3,67	-2,78	-2,68
5	CC(OC1CCCC(C)CC1C)C(O)=O	TR	TR	moderately soluble	-2,466	-3,150	0,001	-2,953	0,228	-3,006	0,001	-2,608	0,104	-3,065	-2,929	0,230	-2,716	-2,780	0,244	-2,290	-1,585	-1,42	-3,06	-2,55	-2,27
6	CC(C)=C1CCC(=C)C1C	TR	TR	insoluble	-4,287	-2,752	0,004	-4,123	0,315	-2,695	0,004	-4,926	0,151	-2,762	-3,624	1,091	-4,666	-4,525	0,568	-4,420	-3,625	-2,46	-4,19	-3,5	-3,81
7	CCCCCCCC/C=C/CCCCCCCCC(=O)=O,NCCNCCO	TR	TR	insoluble	-4,809	-3,918	0,012	-3,773	0,651	-3,147	0,013	-4,854	0,115	-3,620	-3,932	0,704	-4,689	-4,911	0,764	/	-2,891	-5,39	-5,22	-3,21	-4,28
8	CCCCCCCCCCCCCC(=O)C(C)O	TR	TR	insoluble	-4,634	-3,614	0,005	-4,116	0,226	-2,806	0,005	-3,883	0,303	-3,230	-3,605	0,571	-4,017	-3,999	0,165	-4,010	-4,576	-4,27	-6,18	-4,02	-4,51
9	C=CC(=O)OCCOC1CCCCC1	TR	TR	moderately soluble	-2,564	-2,617	0,002	-3,289	0,421	-2,812	0,003	-2,306	0,080	-2,693	-2,756	0,412	-2,463	-2,797	0,695	-2,410	-1,768	-2,01	-2,76	-2,17	-2,26
10	OC(=O)CCCCCCCC=C/C	TR	TR	moderately soluble	-3,553	-3,063	0,005	-3,671	0,326	-3,078	0,005	-3,686	0,078	-3,093	-3,374	0,351	-3,683	-3,678	0,010	-3,190	-3,318	-2,94	-4,34	-2,82	-3,38
11	CC1CCCC1(C)C(C)C	TR	TR	insoluble	-4,472	-3,304	0,004	-4,224	0,196	-2,284	0,004	-4,278	0,087	-2,827	-3,638	1,080	-4,581	-4,482	0,364	-5,040	-5,636	-2,67	-4,68	-3,84	-4,41
12	OC(=O)C1CCCCC1	TR	TR	soluble	-1,445	-1,784	0,003	-1,102	0,182	-2,137	0,002	-0,708	0,166	-1,979	-1,433	0,647	-0,896	-0,905	0,279	-1,360	-1,481	-0,65	-2,37	-1,8	-1,43
13	CCCN(CCC)C(=O)SCC	TS	TR	moderately soluble	-2,703	-3,223	0,004	-2,233	0,700	-2,612	0,002	-2,454	0,236	-2,816	-2,631	0,424	-2,398	-2,344	0,156	-2,590	-2,340	-2,46	-3,84	-2,57	-2,70
14	CC(=O)OC(=O)CC(=O)N1O)C(C)C)C(C,NCCO	TS	TR	moderately soluble	-3,906	-2,543	0,013	-3,904	0,002	-0,785	0,011	-2,792	0,220	-2,950	-2,590	0,792	-3,892	-3,339	0,798	/	-2,186	-3,38	-3,23	-2,67	-3,07
15	SCCC(=O)OCC(COC(=O)CCS)(COC(=O)CCS)COC(=O)CCS,COC(=O)CCS	TR	TR	insoluble	-5,121	-6,032	0,014	-5,125	0,003	-3,607	0,029	-5,123	0,000	-5,131	-4,971	1,006	-5,124	-5,124	0,001	-2,410	-3,083	-3,82	-5,84	-2,05	-3,72
16	CCOC(=O)CC(C)CC(C)C	TR	TR	moderately soluble	-3,823	-2,722	0,004	-3,598	0,612	-1,825	0,003	-3,686	0,099	-2,248	-2,958	0,872	-3,674	-3,642	0,062	-3,480	-3,023	-2,82	-3,71	-2,79	-3,25
17	C(C)#1)1CC(#)#1)1)C#)#1)1C#)#1)1C#)#1)1

195	O=C1NC(=O)NC/=O)N1	TR	TR	soluble	-1.808	-0.303	0.006	-1.808	0.001	-0.348	0.004	-1.974	0.389	-1.413	-1.108	0.907	-1.808	-1.891	0.118	-1.870	-2.399	-0.96	-0.41	-0.4	-1.31
196	CCC(COC(=O)C(C)=C)C(C)=O)C(=O)C(=C)C(OC(=O)C(C)=C)COC(=O)C(C)=C	TS	TR	insoluble	-4.226	-2.803	0.008	-4.346	0.985	-2.837	0.011	-2.775	0.752	-2.824	-3.191	0.772	-3.456	-3.562	1.112	-4.050	-2.630	-3.47	-5.76	-3.85	-3.87
197	CC1=CCC2C(C)(C)C2)C	TS	TR	insoluble	-4.670	-2.631	0.008	-2.952	0.619	-2.877	0.005	-2.982	0.299	-2.778	-2.860	0.159	-2.972	-2.967	0.021	-3.190	-3.557	-2.23	-4.1	-3.44	-3.25
198	CCC(C)CCCC(C)CC1)N(C)C(=O)C(=O)C2C(C)(C)C)N3CCOCC3	TS	TR	insoluble	-5.133	-2.575	0.006	-6.494	1.275	-3.601	0.005	-3.681	0.673	-4.530	-4.921	1.407	-4.630	-5.055	1.944	-4.310	-3.103	-4.1	-5.45	-4.97	-4.43
199	NC1=nC(N)nC(N)n1,O=C2NC(=O)NC(=O)N2	TR	TR	insoluble	-4.976	-0.498	0.016	-0.624	2.224	-0.366	0.016	-4.225	0.716	-0.473	-1.428	1.868	-3.348	-2.425	2.547	/	-2.877	0.94	1.16	1.14	-0.60
200	CC/(C)CCCC/(C)CCCC(C)O)C#C	TR	TR	insoluble	-4.953	-4.004	0.005	-5.262	0.436	-2.443	0.004	-4.508	0.091	-3.146	-4.056	1.194	-4.639	-4.888	0.538	-3.910	-5.018	-3.52	-6.05	-3.78	-4.32
201	CC(=C)CC(C)C(C,N)C1CCCCC1)C2CCCC2	V	V	insoluble	-5.088	-4.628	0.010	-3.904	1.807	-4.576	0.009	-5.315	0.606	-4.692	-4.656	0.588	-4.961	-4.609	0.998	/	-4.397	-2.8	-7.17	-5.87	-5.04
202	CC1=CC(C)C1C(C)C,C)C1)C(=O)C4(C)CCCC3CC4,CCS(C)CCCC(C)S)CS=C,CC?(C)CBCCC?(C)C(=O)	TS	TR	insoluble	-5.438	-5.047	0.068	-3.455	4.195	-6.976	0.053	-5.438	0.000	-5.460	-5.229	1.446	-5.438	-4.447	1.402	/	-6.317	-2.45	-11.04	-10.07	-7.06
203	CC)C)CCCCCCCCCO	TR	TR	insoluble	-5.001	-3.567	0.006	-5.565	0.360	-2.672	0.006	-4.372	0.184	-3.151	-4.044	1.229	-4.775	-4.969	0.844	-3.950	-5.547	-4.18	-5.56	-3.81	-4.64
204	CCCCCCC(O)CCCCCCCCCCCCO	TR	TR	insoluble	-3.155	-3.595	0.008	-5.189	0.480	-3.336	0.012	-3.073	0.391	-4.119	-4.704	1.016	-5.467	-5.441	0.356	-3.550	-4.911	-5.64	-7.68	-4.98	-5.37
205	FC(F)=C(F)(F)F)F	TR	TR	moderately soluble	-2.889	-2.185	0.040	-2.539	0.750	-2.972	0.021	-2.778	0.182	-2.708	-2.618	0.339	-2.731	-2.658	0.169	-2.310	-1.798	-1.68	-1.53	-1.91	-1.99
206	CC)F)F)F)	TS	TR	soluble	-1.723	-0.719	0.018	-1.722	0.002	-2.160	0.005	-1.938	0.199	-1.771	-1.635	0.636	-1.724	-1.830	0.153	-1.310	-1.299	-1.41	-1.57	-1.69	-1.50
207	FCF	TR	TR	soluble	-1.437	1.912	0.104	-0.204	2.309	-1.407	0.005	-0.183	0.191	-1.219	0.030	1.379	-0.185	-0.193	0.014	-0.380	-0.441	-0.64	-0.6	-0.8	-0.51
208	C(C=O)C(=C)C(=C)C(=O)	TR	TR	insoluble	-3.489	-3.533	0.002	-3.055	0.409	-3.803	0.003	-3.492	0.038	-3.630	-3.471	0.310	-3.455	-3.274	0.309	-4.830	-2.364	-2.22	-2.82	-2.55	-3.04
209	CC@H12CC2=O)C=C1CC(C@H)(C)C@H)(C)C@H)(C)C(C@H)3C(C)CC4=O	TS	TR	moderately soluble	-2.213	-4.205	0.045	-0.278	4.294	-3.430	0.011	-4.006	0.235	-4.408	-4.002	0.601	-4.038	-4.042	0.012	-3.320	-4.011	-3.37	-2.53	-2.83	-3.35
210	C1CCCB/	TR	TR	soluble	-1.940	-1.625	0.011	-1.763	0.863	-2.441	0.005	-2.337	0.071	-2.197	-2.041	0.408	-2.293	-2.050	0.406	-1.620	-2.175	-2.55	-1.81	-2.06	-2.08
211	OC)O(C)C)I)C)C1	TR	TR	highly soluble	1.037	-1.465	0.011	-0.692	0.433	-1.788	0.005	0.555	0.138	-1.620	-0.847	1.042	0.254	-0.068	0.882	0.290	0.056	-0.67	-1.43	-1.42	-0.49
212	CC(=O)C1CC(O)C(C)C(C)C1)C(=O)=O	TS	TR	moderately soluble	-2.005	-1.890	0.002	-2.595	0.511	-2.391	0.003	-1.136	0.167	-2.109	-2.003	0.649	-1.495	-1.866	1.032	-0.870	-0.551	0.97	-1.04	-0.57	-0.59
213	OC1CCCCCCCCCCC1	TR	TR	moderately soluble	-3.989	-3.597	0.004	-3.120	0.374	-2.168	0.010	-3.469	0.257	-3.154	-3.088	0.646	-3.327	-3.294	0.247	-3.310	-2.809	-2.42	-3.87	-3.35	-3.18
214	C1CC(CC1)O)P)I=)O)O(CC)CC)CC)O(CC)CC)C1	TR	TR	insoluble	-4.377	-6.530	0.027	-4.963	1.202	-5.884	0.018	-4.501	0.213	-6.055	-5.469	0.911	-4.571	-4.732	0.326	-4.780	-4.196	-5.28	-4.48	-4.02	-4.55
215	CC1CC(C)C)C1C)	TR	TR	insoluble	-4.094	-3.311	0.004	-1.863	0.131	-2.218	0.003	-4.310	0.107	-3.858	-3.926	0.452	-4.110	-4.087	0.316	-3.450	-3.935	-2.71	-3.16	-3.19	-3.43
216	C(C)C1)O)CCC(=CCC1)C	TR	TR	soluble	-1.941	-2.607	0.003	-1.945	0.247	-1.946	0.003	-1.199	0.063	-2.356	-2.197	0.354	-2.147	-2.072	0.179	-1.760	-2.039	-1.91	-3.36	-2.78	-2.33
217	COC1CCCC)O(C)C1)N=)[(O-])=O	V	V	moderately soluble	-3.017	-1.322	0.003	-2.371	0.581	-2.816	0.002	-2.124	0.154	-2.195	-2.158	0.627	-2.176	-2.248	0.175	-1.630	-1.380	-0.49	-1.67	-1.28	-1.44
218	CCCNC(=O)OCC#C1	TR	TR	moderately soluble	-3.203	-2.972	0.006	-3.186	0.724	-2.780	0.006	-1.702	0.168	-2.863	-2.660	0.660	-1.981	-2.444	1.049	-2.680	-1.690	-2.66	-2.55	-2.52	-2.35
219	C(=O)NC(=O)N(C)NC(=O)N(C)C1N	V	V	soluble	-1.977	-2.332	0.003	-2.002	0.674	-1.873	0.004	-1.641	0.315	-2.136	-1.962	0.288	-1.756	-1.821	0.255	-1.470	-1.273	-0.91	-0.63	-0.69	-1.12
220	CC/(C)C)OOC(C)C)C	TR	TR	moderately soluble	-2.932	-1.673	0.011	-2.337	1.031	-1.440	0.006	-2.818	0.066	-1.599	-2.067	0.628	-2.788	-2.577	0.340	-3.160	-2.576	-1.76	-2.11	-1.87	-2.38
221	CCOC(=O)I/C=C/C1CCCCC1	V	V	moderately soluble	-3.013	-2.907	0.002	-3.289	0.391	-2.761	0.002	-2.445	0.123	-2.844	-2.851	0.350	-2.647	-2.867	0.596	-3.320	-2.970	-1.89	-3.71	-2.9	-2.91
222	C(=O)NC1=CCCCCC12	TR	TR	soluble	-1.947	-3.045	0.005	-2.285	0.564	-2.669	0.004	-2.049	0.104	-2.812	-2.512	0.438	-2.086	-2.167	0.167	-1.430	-2.292	-1.4	-1.92	-1.56	-1.78
223	C(=C)C2CCC3(C2)C1C(=o)CCC3)C	TR	TR	insoluble	-4.091	-4.162	0.007	-4.317	0.717	-3.289	0.008	-4.511	0.112	-3.772	-4.195	0.661	-4.553	-4.664	0.216	-4.010	-4.707	-3.88	-4.06	-3.73	-4.16
224	CCCCCCCC(=O=O	TS	TR	moderately soluble	-2.930	-2.534	0.004	-3.110	0.575	-2.345	0.003	-2.676	0.178	-2.424	-2.666	0.325	-2.779	-2.893	0.307	-2.370	-3.428	-3.01	-3.17	-2.3	-2.84
225	C1CCCC(CC1)N=)[(O-])=O)N=)[(O-])=O	TR	TR	moderately soluble	-3.040	-1.926	0.003	-2.201	0.360	-3.390	0.005	-1.755	0.052	-2.398	-2.318	0.738	-1.811	-1.978	0.316	-2.810	-2.856	-0.01	-3.06	-1.84	-2.06
226	CCCNC(C)C(C)C1)N=)[(O-])=O	TR	TR	moderately soluble	-2.111	-2.121	0.002	-1.635	0.768	-2.600	0.003	-2.687	0.217	-2.351	-2.261	0.486	-2.455	-2.161	0.744	-2.950	-2.897	-0.36	-1.77	-0.96	-1.23
227	C1CCCCCC1C	TR	TR	moderately soluble	-2.819	-2.049	0.005	-2.827	0.277	-2.220	0.002	-2.731	0.039	-2.189	-2.457	0.381	-2.743	-2.779	0.068	-4.110	-3.760	-1.8	-3.44	-2.9	-3.13
228	C1CCCC(C)CC1	TR	TR	moderately soluble	-2.819	-2.132	0.005	-2.827	0.277	-2.265	0.003	-2.731	0.071	-2.232	-2.489	0.342	-2.751	-2.779	0.068	-3.950	-3.727	-1.8	-4.5	-3.54	-3.38
229	C1CC(=O)NCCCCCCCCCC1	TR	TR	moderately soluble	-3.080	-3.291	0.002	-2.694	0.158	-2.512	0.002	-2.383	0.058	-2.882	-2.720	0.402	-2.466	-2.538	0.220	-3.960	-3.820	-2.64	-4.51	-3.42	-3.47
230	CC(=O)/C=C/C1=C(CCCCC1)C	TR	TR	moderately soluble	-3.080	-3.506	0.004	-3.055	0.639	-2.821	0.004	-3.469	0.444	-3.172	-3.213	0.332	-3.300	-3.262	0.293	-3.070	-3.552	-3.1	-2.93	-2.73	-3.11
231	CCCCCCCCCN(C)C	TR	TR	insoluble	-4.045	-3.413	0.006	-4.149	0.527	-2.427	0.005	-4.372	0.054	-2.950	-3.590	0.877	-4.351	-4.261	0.158	-4.440	-4.426	-4.02	-5.11	-3.73	-4.35
232	CCCCCC(C)C)C)S	TR	TR	moderately soluble	-3.990	-3.479	0.005	-2.002	0.987	-2.569	0.004	-3.309	0.181	-2.963	-3.340	1.447	-4.797	-3.655	2.338	-3.400	-4.299	-3.22	-4.53	-3.03	-3.88
233	CCSP(=O)(OCC)OCC)OC1CCC(B)CC1	TR	TR	insoluble	-4.384	-6.420	0.027	-4.963	0.404	-5.807	0.007	-5.227	0.115	-6.082	-5.629	0.660	-5.169	-5.095	0.187	-3.920	-4.748	-3.86	-4.74	-3.98	-4.40
234	CCCCCCCCC/C=O	TR	TR	insoluble	-4.027	-3.070	0.004	-4.645	0.378	-2.695	0.004	-4.372	0.183	-2.894	-3.695	0.958	-4.461	-4.508	0.193	-4.330	-4.596	-3.48	-4.44	-3.12	-4.07
235	C1CCCC(C)C)O)C1C	V	V	soluble	-1.936	-2.140	0.003	-1.945	0.504	-2.050	0.002	-1.644	0.176	-2.084	-1.945	0.216	-1.722	-1.794	0.213	-1.840	-1.521	-1.19	-2.74	-2.4	-1.90
236	C1CCCCCC1	V	V	moderately soluble	-2.833	-2.112	0.005	-2.827	0.334	-2.210	0.002	-2.731	0.036	-2.200	-2.470	0.361	-2.740	-2.779	0.068	-4.010	-3.712	-1.8	-3.44	-2.9	-3.10
237	O=[S]=O	/	TR	moderately soluble	-3.603	/	/	/	/	-1.399	0.003	-0.618	0.182	-1.387	-1.009	0.664	-0.618	0.618	0.437	-1.180	1.207	-1.8	-3.44	-2.9	-1.46
238	C1CCCC(C)C1C)N=)[(O-])=O	TR	TR	moderately soluble	-3.003	-2.102	0.003	-2.313	0.446	-2.762	0.002	-2.645	0.135	-2.496	-2.455	0.303	-2.568	-2.479	0.235	-2.900	-2.811	-1	-3.29	-2.44	-2.50
239	O=C(CC1CCCC1)OC(C)C1CCCCC2	TR	TR	insoluble	-4.149	-4.533	0.004	-3.661	0.418	-3.487	0.005	-2.832	0.111	-4.112	-3.654	0.747	-3.005	-3.246	0.586	-5.390	-5.652	-3.66	-6.22	-4.72	-4.77
240	C=CCC(=O)NC(C)C1CCCCC1)OC(=O)CC=C	TR	TR	moderately soluble	-3.221	-2.993	0.002	-3.103	0.340	-3.414	0.007	-2.216	0.175	-3.097	-2.932	0.509	-2.517	-2.660	0.628	-3.050	-2.562	-2.17	-3.56	-2.64	-2.75
241	C1CCC(O)CC)C)C)C1	TR	TR	soluble	-1.992	-2.341	0.003	-1.945	0.442	-1.570	0.004	-2.199	0.191	-2.029	-2.014	0.338	-2.122	-2.072	0.179	-2.060	-1.482	-1.64	-2.69	-2.37	-2.06
242	CN)C)C1CCCCC1	V	V	soluble	-1.922	-2.108	0.003	-1.413	0.529	-2.087	0.002	-1.255	0.099	-2.083	-1.716	0.446	-1.280	-1.334	0.112	-1.210	-1.265	-1.39	-1.59	-1.76	-1.42
243	O=C/C=C/CCCCCC1	TR	TR	soluble	-1.969	-2.546	0.003	-1.739	0.455	-2.701	0.003	-1.644	0.081	-2.600	-2.157	0.543	-1.658	-1.691	0.067	-2.680	-3.297	-1.33	-2.73	-2.28	-2.33
244	CC(=O)NC1CCCC)O)CC1	TR	TR	soluble	-1.033	-2.186	0.002	-1.085	0.291	-2.239	0.002	-1.161	0.182	-2.205	-1.668	0.630	-1.132	-1.123	0.053	-0.290	-0.598	-0.89	-0.78	-0.8	-0.75
245	CCCCCCCCCO	TR	TR	moderately soluble	-3.013	-2.208	0.006	-2.356	0.410	-2.066	0.004	-2.192	0.157	-2.126	-2.205	0.119	-2.237	-2.274	0.116	-2.420	-3.198	-2.91	-3.89	-2.65	-2.88
246	O=C1CCCCCCCCCCC1=O)OCCC01	TR	TR	insoluble	-4.262	-3.670	0.004	-4.763	0.589	-2.333	0.019	-4.507	0.289	-3.449	-3.918	1.193	-4.860	-4.835	0.102	-3.550	-2.871	-3.32	-4.96	-4.13	-3.95
247	OC1CCCCCCCCCCC2CCCC)CC2	TR	TR	insoluble	-4.239	-4.757	0.003	-2.960	0.494	-4.086	0.002	-4.309	0.234	-4.872	-4.252	0.905	-3.876	-3.635	0.954	-2.510	-3.282	-2.46	-3.23	-3.22	-3.09
248	NC1nc(C)N)nc(N)C2nc(N)C(N)n2)n1	TR	TR	soluble	-4.225	-2.013	0.007	-3.422	0.570	-2.425	0.013	-4.225	0.000	-3.841	-3.021	0.997	-4.224	-3.824	0.568	-2.560	-2.892	0.91	3.14	2.2	-0.57
249	C1CCCCC1	TR	TR	moderately soluble	-3.846	-1.753	0.007	-1.599	0.458	-2.185	0.004	-4.084	0.077	-2.096	-2.395	1.127	-1.691	-2.821	1.729	-3.670	-3.478	-1.62	-3.3	-2.72	-3.08
250	COC(=O)O	TR	TR	highly soluble	0.185	1.532	0.015	0.0835	0.561	-1.182	0.003	0.070	-0.764	0.158	-0.109	1.109	0.184	0.197	0.139	-0.020	0.545	0.01	-0.84	-0.59	-0.12
251	C(=C)C(=O)OC1CCCCC1	TR	TR	moderately soluble	-3.089	-2.679	0.002	-2.371	0.413	-2.518	0.002	-2.057	0.076	-2.606	-2.406	0.264	-2.106	-2.214	0.222	-2.970	-1.978	-1.83	-3.1	-2.51	-2.41
252	CCCC(=o)OCC1CCCCC1	TR	TR	moderately soluble	-3.117	-2.985	0.002	-3.289	0.277	-2.807	0.002	-2.445	0.098	-2.884	-2.882	0.352	-2.665	-2.867	0.596	-3.500	-3.238	-2.61	-3.54	-2.74	-3.05
253	OC(=O)C(CCCCC1)N=)[(O-])=O)N=)[(O-])=O	TR	TR	moderately soluble	-2.208	-1.749	0.003	-1.340	0.220	-3.737	0.010	-2.661	0.168	-2.353	-2.372	1.065	-2.089	-2.000	0.934	-2.400	-2.136	1	-2.54	-1.16	-1.55
254	NN(C)N=S	TR	TR	soluble	-0.846	0.362	0.008	0.064	0.880	-0.574	0.004	-0.495	0.183	-0.272	-0.161	0.449	-0.399	-0.215	0.395	-0.840	0.474	0.73	-0.35	0.4	0.00
255	CCC(=O)/C=C/C1=C()CCCCC1)C	V	V	soluble	-4.188	-3.728	0.004	-3.600	0.548	-3.030	0.004	-5.005	0.432	-3.404	-3.841	0.833	-4.386	-4.302	0.994	-3.790	-4.040	-3.5	-3.42	-3.05	-3.70
256	C1CCCCCC(C)C1	V	V	soluble	-3.072	-2.801	0.004	-2.827	0.357	-3.557	0.002	-4.184	0.235	-3.316	-3.330	0.640	-3.615	-3.480	0.924	-2.950	-3.637	-2.3	-2.39	-2.52	-2.90
257	C(=O)C1CCCCC1	TR	TR	soluble	-2.049	-2.458	0.003	-1.739	0.418	-2.648	0.002	-1.644	0.155	-2.569	-2.122	0.505	-1.669	-1.691	0.067	-2.862	-2.803	-2.03	-2.5	-2.15	-2.24
258	CC)C(C)C1CCCC(=O)CC1	TR	TR	moderately soluble	-3.131	-3.151	0.002	-3.080	0.424	-2.452	0.002	-2.813	0.058	-2.803	-2.874	0.317	-2.845	-2.946	0.188	-3.660	-4.066	-2.24	-3.28	-2.8	-3.15
259	S=C1NCCCCCCCS1	V	V	moderately soluble	-3.152	-3.720	0.006	-4.183	1.129	-3.890	0.004	-2.049	0.380	-3.815	-3.711	1.286	-2.839	-3.616	2.217	-2.500	-2.446	-1.61	-3.28	-2.29	-2.49
260	CC=CC(C)CCCCC1	TR	TR	moderately soluble	-3.000	-2.578	0.004	-1.413	0.299	-2.734	0.002	-2.731	0.192	-2.671	-2.364	0.638	-2.216	-2.072	0.932	-4.270	-4.303	-2.11	-3.94	-3.21	-3.34
261	CC(=C)CC(C=C)CCC1O	TR	TR	moderately soluble	-2.153	-2.242	0.002	-2.080	0.257	-2.489	0.001	-2.445	0.099	-2.374	-2.314	0.190	-2.344	-2.263	0.259	-1.220	-1.513	-1.25	-1.97	-1.79	-1.68
262	CC1C(C)(C)C2=C)C(=O)CCC2)C1C	V	V	moderately soluble	-3.265	-3.629	0.007	-4.011	0.967	-2.878	0.006	-2.920	0.495	-3.228	-3.359	0.555	-3.290	-3.466	0.772	-3.460	-4.149	-3.92	-3.32	-3.19	-3.55
263	CC)C)C1CCCC(OCC)O)CC1)C2CCC)(OCC)O)C2	TR	TR	moderately soluble	-3.452	-4.215	0.004	-4.343	0.281	-2.990	0.007	-3.717	0.383	-3.817	-3.614	0.077	-4.029	-4.442	-3.010	-3.170	-3.004	-3.69	-3.11	-3.35	-3.35
264	C(C@H)1CC@H)C@H)C@H)2(C@H)2(C@H)3)C(C@H)3)C(C@H)3)C@H)1)C(O)C(O)C@H)1)C@H)1)C(O)C(O)C@H)1)C4C	TR	TR	moderately soluble	-4.722	-3.450	0.019	-5.611	0.486	-3.410	0.017	-3.976	0.609	-2.408	-3.112	1.156	-3.773	-3.793	0.258	-3.000	-3.284	2.61	-2.27	-2.29	-0.97
265	CC)C(OCC)=O)CCCCCCC1=O)OCC)C	TR	TR	insoluble	-4.384	-3.608	0.003	-3.661	0.559	-3.062	0.003	-4.070	0.093	-3.352	-3.600	0.414	-4.011	-3.865	0.289	-4.240	-3.693	-2.92	-4.99	-3.71	-3.93
266	C(C)CNC)=O)CCCOC(=O)C)C=C)CC)C)CNC)=O)CCCOC(=O)C)C)=C	TR	TR	insoluble	-4.626	-3.084	0.012	-5.555	0.708	-2.973	0.015	-4.626	0.000	-4.414	-4.058	1.250	-4.621	-5.087	0.661	-4.090	-3.238	-4.76	-4.69	-3.94	-4.52
267	CC1CCCC(C)C1C,C)CCCCCCC)C2C4C=CCSCCCCC4S	TR	TR	soluble	-3.516	-3.201	0.034	-3.516	0.003	-5.399	0.010	-3.516	0.000	-3.607	-2.463	0.990	-3.516	-3.516	0.000	/	-7.152	-1.98	-11.44	-9.37	-6.69
268	OC1CCCC)CC1)C)=O)OCC2CCCCC2	TR	TR	moderately soluble	-3.325	-3.907	0.002	-3.532	0.320	-3.502	0.004	-3.892	0.136	-3.743	-3.708	0.221	-3.784	-3.712	0.254	-2.820	-2.783	-2.05	-3.68	-2.98	-3.02
269	CC(=O)/C=C/C1C(=CCCCC1)C)C	V	V	moderately soluble	-3.259	-3.502	0.004	-3.055	0.629	-2.744	0.004	-3.469	0.411	-3.129	-3.193	0.362	-3.306	-3.262	0.293	-2.860	-3.466	-2.65	-3.9	-3.33	-3.25
270	CCOC=O	TR	TR	highly soluble	0.152	1.105	0.010	-0.001	0.691	-1.143	0.002	-0.040	0.120	-0.704	0.020	0.918	-0.036	-0.021	0.028	0.460	0.487	-0.23	-0.34	-0.31	0.01
271	C1CCCCCCNC(C)C)C=C)C)C2C1	TR	TR	moderately soluble	-3.333	-1.737	0.003	-2.598	0.289	-3.374	0.002	-3.333	0.000	-3.414	-3.260	0.477	-3.330	-2.966	0.519	-2.610	-2.588	-3.18	-2.05	-2.34	-2.68
272	CCCCCCCCC=O	TR	TR	moderately soluble	-3.149	-2.409	0.005	-3.110	0.630	-2.511	0.004	-2.676	0.207	-2.472	-2.676	0.309	-2.783	-2.893	0.307	-3.140	-3.708	-3.02	-3.29	-2.31	-3.04
273	OCCCCO	TR	TR	highly soluble	1.045	0.545	0.010	0.111	0.804	-0.448	0.003	0.852	0.098	-0.169	-0.265	0.564	0.772	0.482	0.524	0.610	0.920	-0.25	0.46	0.32	0.47
274	OC(O)CO	TR	TR	highly soluble	1.036	1.327	0.014	0.083	1.360	0.407	0.005	-0.495	0.313	0.615	0.331	0.762	-0.387	-0.206	0.409	0.788	1.480	1.08	1	0.83	0.80
275	OC(=O)C1CC(CCC1O)[N+](O-])=O	TR	TR	moderately soluble	-2.263	-1.638	0.003	-2.595	0.574	-2.784	0.004	-1.755	0.282	-2.100	-2.193	0.580	-2.032	-2.175	0.594	-0.820	-1.060	0.96	-2.11	-1.11	-1.03
276	OC1CCC(O)CCC1OC(CCC2)C2C2I	TR	TR	insoluble	-4.462	-5.317	0.004	-3.199	0.446	-3.668	0.004	-4.462	0.000	-4.825	-4.669	1.108	-4.459	-3.830	0.893	-2.670	-3.773	-2.83	-3.54	-3.63	-3.48
277	CCCCCCCCCO	TR	TR	soluble	-4.985	-3.278	0.007	-4.149	0.630	-2.727	0.006	-4.372	0.061	-3.063	-3.631	0.766	-4.352	-4.261	0.158	-3.630	-5.017	-4.15	-5.3	-3.57	-4.34
278	C1C)C)CCC@@2)C)C@H]1C)C@@]1C)C@@]3(C)CC)C@H]2	TR	TR	soluble	-5.100	-4.376	0.006	-4.817	0.312	-3.298	0.009	-4.511	0.160	-3.947	-4.250	0.661	-4.615	-4.664	0.216	-4.290	-5.087	-4.01	-4.62	-4.27	-4.48
279	CC)C)CNSC1=CC2CCCCC2n1	TR	TR	insoluble	-5.137	-5.818	0.005	-7.146	0.445	-4.034	0.003	-4.309	0.152	-4.737	-5.327	1.444	-5.033	-5.728	2.006	-4.120	-3.039	-2.67	-4.03	-2.94	-3.64
280	CCCCC(CC)C(=O)OCCOCCOCCOC(=O)CC)CC)CCC	TR	TR	insoluble	-5.420	-3.571	0.008	-4.108	0.542	-3.473	0.013	-4.851	0.234	-3.565	-4.001	0.632	-4.627	-4.479	0.525	-5.340	-4.127	-5.97	-6.64	-4.35	-5.18
281	C=C/C=C/C(C)C1)C=C/C(C)C)C(C)C1)C(=O)C(=O)C2CCC(C)C2)C(C)C)C)C)C)C4CC(CCC3)C(=O	TR	TR	insoluble	-5.827	-6.568	-0.140	-3.144	3.014	-5.316	0.096	-5.827	0.000	-5.839	-5.212	1.473	-5.826	-4.486	1.897	/	-2.973	-3.33	-16.92	-13.67	-8.74
282	CC)C)CCC)C1)C(=O)CSC2CCCC)OC)C2	TR	TR	insoluble	-5.285	-5.067	0.003	-4.510	0.566	-4.256	0.003	-3.570	0.290	-4.703	-4.351	0.621	-3.888	-4.000	0.664	-2.620	-3.469	-3	-3.84	-3.13	-3.32
283	C(C)(CCOC=O)C1CCCCC1)COC(=O)C2CCCCC2	TR	TR	insoluble	-5.423	-4.625	0.004	-4.341	0.531	-4.030	0.006	-3.570	0.421	-4.410	-4.142	0.452	-3.911	-3.956	0.545	-5.460	-4.233	-3.74	-6.22	-4.7	-4.71
284	[nH]CCCCCCCCCCCCCCCC13	TR	TR	insoluble	-5.210	-3.756	0.007	-4.495	0.206	-3.650	0.007	-5.301	0.247	-3.737	-4.300	0.766	-4.861	-4.898	0.570	-2.248	-2.528	-2.33	-2.91	-2.84	-3.03
285	O=C(OCCCCCCCCC1)C2CCCCC2C(=O)OC3CCCCC3	TR	TR	insoluble	-5.513	-5.092	0.004	-5.331	0.432	-4.655	0.007	-5.031	0.428	-4.953	-5.032	0.255	-5.170	-5.171	0.198	-5.040	-4.446	-3.31	-5.98	-4.76	-4.84
286	O=C(OCCC1CCCC1)C/=C/C2CCCCC2	TR	TR	insoluble	-5.402	-4.759	0.004	-3.661	0.427	-3.889	0.006	-5.402	0.000	-5.104	-4.428	0.804	-5.398	-4.531	1.231	-5.600	-5.216	-3.34	-6.54	-4.99	-5.18
287	CCCCC(CC)C(C)C(OC)C1)C(C)C)C(C)C)C(C)C)C(C)C)C(C)C)C(C)C)C(C)C)C(C)C)C(C)C)C(C)C)O)C2C(C)C)N)C)C)C)C)C2)C(=O)O)C3CCC)C	TR	TR	insoluble	-5.836	-6.506	0.018	-5.833	0.002	-3.643	0.040	-5.836	0.000	-5.825	-5.455	1.249	-5.836	-5.836	0.000	-5.780	-5.140	-8.29	-11.68	-9.62	-7.72
288	CCCCCCC(C)C=O)C2CCC(OCCCCCC)C=O)CBr	TR	TR	insoluble	-5.569	-6.139	0.006	-5.513	0.301	-4.864	0.004	-4.849	0.346	-5.504	-4.616	0.680

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589	CCCCOCOCCCC	V	V	moderately soluble	-2.807	-1.619	0.008	-2.356	0.832	-2.214	0.004	-2.818	0.178	-2.019	-2.252	0.494	-2.736	-2.587	0.327	-2.080	-2.325	-2.96	-3.22	-2.33	-2.60
590	COC(=O)C1C(=CCCC1)C(C)C	TR	TR	moderately soluble	-2.909	-2.416	0.004	-3.055	0.237	-2.157	0.003	-2.057	0.152	-2.272	-2.421	0.449	-2.448	-2.556	0.706	-3.200	-2.206	-2.29	-2.79	-2.47	-2.57
591	C(C(C1)CCCCC1)(=C)CaN	TR	TR	moderately soluble	-3.001	-3.515	0.003	-2.993	0.401	-3.225	0.004	-2.813	0.147	-3.379	-3.136	0.303	-2.861	-2.903	0.127	-3.500	-5.179	-2.69	-4.43	-3.4	-3.68
592	CCCCOC(=O)C=C/C(=O)OCCCC	TR	TR	moderately soluble	-3.128	-2.472	0.004	-2.597	0.472	-2.397	0.003	-2.508	0.144	-2.473	-2.512	0.059	-2.537	-2.553	0.063	-3.380	-1.902	-2.56	-3.47	-2.3	-2.69
593	N(C@@H](C3C)C@H](N)C)(O)=O)C(O)=O	TR	TR	moderately soluble	-3.160	-3.533	0.006	-2.056	0.377	-1.635	0.006	-2.537	0.251	-2.555	-2.440	0.816	-2.344	-2.296	0.340	-2.240	-1.926	0.95	2	2.33	-0.21
594	CCCCC(CC)C(=O)OC	TR	TR	moderately soluble	-2.990	-1.671	0.005	-3.186	0.548	-1.921	0.002	-2.818	0.130	-1.862	-2.399	0.719	-2.888	-3.002	0.260	-1.990	-2.375	-2.39	-3.19	-2.3	-2.72
595	C1CCC=CC1	TR	TR	moderately soluble	-2.711	-1.288	0.011	-1.569	0.642	-2.352	0.003	-2.304	0.061	-2.109	-1.878	0.533	-2.241	-1.937	0.520	-2.520	-1.836	-0.96	-2.52	-2.15	-2.04
596	C(CC(C)C)C(O)P(O)(=O)OCC(C)CCCC	TR	TR	moderately soluble	-3.362	-4.380	0.005	-3.783	0.440	-3.961	0.010	-3.293	0.220	-4.217	-3.854	0.450	-3.456	-3.538	0.347	-4.170	-4.261	-4.47	-6.37	-4.22	-4.49
597	C1CN(CCO1)SSN2COCC2	TR	TR	moderately soluble	-3.260	-3.934	0.009	-3.260	0.002	-2.966	0.004	-3.141	0.226	-3.266	-3.325	0.423	-3.259	-3.200	0.085	-1.000	-2.325	-0.48	-1.79	-1.5	-1.73
598	C1CCCC(C)CC1	TR	TR	moderately soluble	-3.102	-2.494	0.004	-2.827	0.117	-2.935	0.002	-2.900	0.097	-2.790	-2.789	0.202	-2.867	-2.863	0.052	-3.190	-3.675	-2.05	-2.74	-2.6	-2.85
599	CCC(=O)C=C(C)C=CCC1(C)C	TR	TR	moderately soluble	-3.412	-2.684	0.004	-3.050	0.336	-2.550	0.004	-3.140	0.204	-2.618	-2.857	0.285	-3.108	-3.098	0.060	-3.310	-2.492	-2.68	-3.11	-2.67	-2.90
600	CC(C)CCCCCN(CCCCCC)C(C)CCCCCC/C(C	TR	TR	moderately soluble	-4.057	-5.972	0.012	-4.103	0.947	-4.365	0.016	-5.654	0.406	-5.271	-5.021	0.929	-5.190	-4.881	1.093	-6.570	-6.429	-7.71	-9.63	-6.92	-7.07
601	CC(=C)C(=O)OCC(F)F)C(F)F)C(F)F)C(F)F	TR	TR	insoluble	-4.046	-4.626	0.053	-5.796	0.893	-3.553	0.028	-4.046	0.000	-4.042	-4.505	0.966	-4.048	-4.921	1.237	-4.150	/	-3.23	-4.2	-3.73	-3.87
602	CCCCCCCCCCCCCCC(=O)OOCC(=O)OCCCCCCCCCCCCCC	TR	TR	insoluble	-4.350	-5.179	0.012	-5.235	0.439	-7.287	0.033	-6.486	0.642	-5.737	-6.170	0.895	-6.061	-6.128	0.507	-7.490	-5.379	-9.84	-15.92	-10.02	-9.12
603	CNC(C)C=S)SC(=S)N(C)C	TR	TR	insoluble	-4.116	-4.602	0.008	-3.843	0.691	-2.931	0.012	-4.116	0.000	-4.088	-3.873	1.702	-4.116	-3.979	1.293	-2.620	-2.714	-0.63	-3.89	-2.09	-2.68
604	CCCCC(CC)NCC(C)CCCC	TR	TR	insoluble	-4.237	-4.126	0.007	-4.329	0.459	-2.999	0.007	-5.362	0.180	-3.626	-4.204	0.969	-5.071	-4.846	0.730	-4.000	-5.015	-5.63	-6.08	-4.36	-5.03
605	CCCCCC	TR	TR	insoluble	-3.944	-1.143	0.009	-3.491	0.526	-1.891	0.004	-4.240	0.125	-1.737	-2.692	1.423	-4.097	-3.866	0.530	-3.140	-2.956	-2.17	-3.6	-2.63	-3.10
606	N(C2NN)=NCCCCCCN=C(N)NCNN	TR	TR	insoluble	-4.457	-2.618	0.006	-3.637	0.291	-2.068	0.014	-2.210	0.253	-2.476	-2.633	0.708	-2.873	-2.924	1.009	-3.040	-2.794	-2.06	-2.12	-0.46	-2.22
607	CCC(C)C(C)C(C)CCC1CCC(O)CC1	TR	TR	moderately soluble	-5.182	-4.358	0.004	-4.678	0.474	-3.103	0.003	-5.484	0.155	-3.637	-4.406	0.989	-5.286	-5.081	0.570	-4.250	-4.963	-3.43	-5.8	-4.47	-4.70
608	CC(C)#12CCC(C)#H](C@@H](CCC4=C3CC=C/C(4)OC)C@@H]1CCC2=O	TR	TR	insoluble	-5.364	-4.976	0.006	-4.071	0.550	-4.082	0.013	-4.970	0.309	-4.884	-4.677	0.422	-4.649	-4.524	0.630	-5.210	-5.295	-4.41	-3.57	-3.67	-4.47
609	N(C(O))(O)C=O	TR	TR	highly soluble	0.791	0.773	0.018	0.262	0.273	0.842	0.006	0.406	0.153	0.802	0.571	0.281	0.354	0.334	0.102	0.300	0.910	0.99	1.62	1.42	0.93
610	C(=CC(=O)NN2N(=NC2=N1	TS	TR	soluble	-1.347	-1.428	0.006	-1.839	0.360	-1.626	0.005	-1.468	0.165	-1.532	-1.588	0.183	-1.582	-1.649	0.256	-1.620	-2.464	-1.62	-0.36	-1.06	-1.45
611	OCC1CCCO1	TR	TR	highly soluble	0.389	-0.016	0.008	0.388	0.001	-1.163	0.002	0.299	0.167	0.073	-0.123	0.715	0.388	0.344	0.063	0.680	0.372	-0.25	3.88	2.05	1.19
612	CC(=O)CC(C)=O	V	V	highly soluble	0.186	-1.048	0.006	-0.521	0.882	-1.301	0.002	-0.826	0.214	-1.232	-0.924	0.331	-0.766	-0.673	0.216	-0.370	0.220	-0.88	-0.68	-0.58	-0.51
613	TS	TR	TR	highly soluble	1.494	2.626	0.018	1.212	12.180	0.349	0.005	0.971	0.327	0.277	1.120	1.219	0.977	1.101	0.185	0.270	1.075	0.6	0.5	0.25	0.61
614	CC(O)=O.OCCNCCCOCCO	TR	TR	highly soluble	0.679	0.136	0.020	0.677	0.003	0.439	0.008	0.643	0.236	0.561	0.474	0.248	0.677	0.660	0.024	/	-0.284	0.1	1.94	1.46	0.78
615	C(C)(C)CCCCC(=O)NCCCCCCC(O)=O	TR	TR	moderately soluble	-2.771	-3.877	0.006	-4.116	0.439	-2.823	0.005	-3.883	0.113	-3.319	-3.675	0.579	-3.931	-3.999	0.165	-2.920	-3.440	-4.12	-4.43	-2.78	-3.60
616	CCCCCCCCCO=O	TR	TR	moderately soluble	-2.722	-2.446	0.004	-3.324	0.631	-2.505	0.003	-2.818	0.200	-2.486	-2.773	0.402	-2.939	-3.071	0.358	-2.550	-2.664	-2.46	-3.88	-2.51	-2.83
617	CCC(N)(CO)CO	TR	TR	highly soluble	0.902	0.092	0.016	0.521	0.837	0.126	0.004	0.270	0.220	0.118	-0.008	0.350	0.105	-0.126	0.559	0.580	0.834	0.03	0.4	0.44	0.40
618	O=C1N(CC2CO2)C(=O)N(C3C3O3)C(=O)N1CC4CO4	TR	TR	soluble	-1.495	-2.546	0.008	-1.497	0.001	-1.668	0.012	-1.056	1.263	-1.623	-1.692	0.625	-1.497	-1.277	0.312	-3.810	-2.876	0.09	-0.12	-0.52	-1.46
619	CC1(C)CCC(=O)C1O	TR	TR	highly soluble	0.652	-0.735	0.004	0.536	0.443	-0.996	0.002	0.532	0.037	-0.844	-0.166	0.815	0.532	0.534	0.003	0.170	-0.301	-0.54	-1.01	-0.94	-0.35
620	CNN	V	V	highly soluble	1.125	-0.083	0.044	-0.204	3.277	-1.061	0.003	-0.183	0.305	-0.989	-0.383	0.855	-0.185	-0.193	0.014	0.390	1.121	0.64	-0.32	0.07	0.29
621	CC(C)CO)[C@@H](O)C(=O)NCCCO	TR	TR	highly soluble	0.394	-1.483	0.004	0.221	0.541	0.220	0.006	-0.026	0.243	-0.823	-0.267	0.819	0.050	0.097	0.175	-0.130	-0.401	-0.65	-0.5	-0.08	-0.29
622	CC(O)N(CC(C)O)CC(C)O	TR	TR	highly soluble	0.417	-1.993	0.004	-0.592	0.534	0.113	0.007	-0.026	0.258	-1.230	-0.625	0.562	-0.211	-0.309	0.400	0.370	-0.550	-0.02	-0.39	-0.32	-0.19
623	CCC(O)C(=O	TS	TR	highly soluble	-0.547	-0.561	0.004	-0.521	0.684	-1.165	0.002	-0.826	0.087	-0.941	-0.768	0.297	-0.792	-0.673	0.216	-0.680	-0.318	-0.7	-1.06	-0.92	-0.74
624	COC1CC()CCC1N(C)=O)C2CCC(CC2)N=NC3C(O)n(CNC8N)n(C3)O-]N=NC4CCCSC(C)CS(SC4[S)	TS	TR	soluble	-0.822	0.610	0.129	-3.144	2.608	1.100	0.157	-0.822	0.000	-0.800	-0.564	1.903	-0.823	-1.983	1.642	/	-2.892	-1.47	0.61	1.06	-0.70
625	CC(C)(CCCCCCCCC)O=O	TR	TR	moderately soluble	-2.111	-3.436	0.005	-3.598	0.367	-2.625	0.003	-4.057	0.157	-2.942	-3.429	0.597	-3.919	-3.827	0.324	-3.600	-3.890	-3.3	-5.12	-3.46	-3.88
626	CC(C)OCCO	V	V	soluble	-0.018	-0.014	0.006	-1.296	0.925	-0.724	0.003	0.192	0.210	-0.488	-0.461	0.681	-0.083	-0.552	1.052	0.370	0.078	-0.61	-0.22	-0.32	-0.13
627	CC(P)(C)CCOC	TR	TR	soluble	-0.094	-0.145	0.010	-0.093	0.002	-1.671	0.004	0.555	0.186	-0.541	-0.339	0.944	-0.088	0.230	0.490	0.930	0.090	-0.5	0.13	0.09	0.08
628	CCCOCCC(CIOCC)CIO	TR	TR	soluble	-0.653	-1.902	0.005	-0.338	0.270	-1.368	0.004	-1.702	0.270	-1.582	-1.327	0.696	-1.020	-1.020	0.965	-0.770	-1.200	-2.07	-1.77	-1.35	-1.36
629	CCOC(C)(C)CC	TR	TR	soluble	-1.472	-1.065	0.006	-1.053	0.299	-1.504	0.003	-1.475	0.118	-1.353	-1.274	0.249	-1.356	-1.264	0.299	-1.600	-1.675	-1.97	-1.78	-1.6	-1.66
630	O=C1N1CCCCCCCC4CCC(N=C2SCSCCC6CCCC1CS6)C34	TR	TR	insoluble	-7.207	-6.247	0.009	-7.203	0.001	-5.115	0.040	8.117	0.880	-7.077	-6.523	1.545	-7.204	-7.667	0.656	-7.040	-4.933	-3.36	-4.93	-4.8	-5.38
631	C1CCC2CCCCCCCCC2CC1	TR	TR	insoluble	-6.445	-4.554	0.006	-6.452	0.301	-4.072	0.007	-5.301	0.238	-4.358	-5.094	1.036	-5.809	-5.876	0.814	-5.880	-6.048	-2.85	-5.77	-4.81	-5.19
632	O=C1C2CCCCC2C(=O)C3CCCCC13	TS	TR	insoluble	-6.040	-4.114	0.004	-4.417	0.643	-3.973	0.007	-5.209	0.562	-4.071	-4.428	0.552	-4.839	-4.813	0.560	-2.850	-3.818	-2.63	-3.01	-2.87	-3.34
633	CCCC(C)CCCC(C)CCCC(C)CCCC(C)CCC(C)CCCC(C)CCC(C)CCC(C)CCC	TR	TR	insoluble	-7.266	-9.461	0.025	-6.654	0.631	-8.005	0.030	-6.406	0.651	-8.700	-7.662	1.385	-6.572	-6.570	0.119	-8.780	-7.808	-10.89	-10.92	-8.74	-8.95
634	C(=)1N2N2N=C4C=N(C=N4)=N(C5)N(C6N=C(N=C2N=C(C)C3)*)C3CCCCC6(8)CSCCCCC59)%10C	TR	TR	insoluble	-6.159	-10.120	0.027	-7.796	1.352	-8.989	0.079	-9.154	0.000	-8.217	-8.339	1.241	-8.158	-7.977	0.256	-6.810	-3.318	/	/	/	-7.04
635	S=[P](OC1CCCCC1)(OC2CCCCC2)OC3CCCCC3	TR	TR	insoluble	-6.955	-6.154	0.005	-6.430	0.776	-6.429	0.010	-6.234	0.089	-6.253	-6.312	0.140	-6.254	-6.332	0.138	-6.440	-5.405	-3.58	-7.93	-5.88	-5.91
636	CC(C)CCC(C)#C@@H](C)C@H](C)C@H]2[C@H]3CC=4C3(C)CCC(=O)C(C)=C(C)C[C@]4(C)[C@H]3CC	TR	TR	insoluble	-7.100	-6.874	0.010	-4.890	0.538	-8.882	0.014	-7.100	0.000	-7.079	-5.899	1.156	-7.100	-6.045	1.492	-6.800	-7.042	-5.78	-9.02	-7.4	-7.19
637	O=C(OC)C(C)=O	/	TR	insoluble	-7.689	/	/	/	/	-2.043	0.005	-7.689	0.000	-6.761	-4.884	1.633	-7.686	-7.686	5.435	-3.360	0.601	-5.74	-9.02	-7.4	-5.44
638	NC1CCCC(2CCCC(N)CSC(=O)4CCCCC4C(=O)C23)CSC(=O)6CCCCCCSC(=O)C15	V	V	insoluble	-6.204	-6.399	0.009	-4.623	0.907	-5.800	0.025	-5.118	1.430	-6.221	-5.485	0.777	-4.815	-4.870	0.350	-4.340	-3.463	-3.58	-3.8	-3.73	-3.95
639	CCOC(F)(C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F)C(F)(F)F	TR	TR	insoluble	-7.289	-7.274	0.193	-5.796	0.472	-4.843	0.116	-6.701	0.267	-5.938	-6.153	1.065	-6.373	-6.248	0.640	-6.150	-4.952	-4.85	-5.64	-5.46	-5.57
640	NC1CCCC2CCCCCC2CCC3CCCCC3(O)NC4C(=O)CSCCCCCSC(=O)C14	TR	TR	insoluble	-8.272	-5.942	0.007	-4.763	0.738	-6.408	0.014	-6.332	1.386	-6.087	-5.866	0.750	-5.321	-5.558	1.095	-5.320	-3.304	-3.21	-4.39	-3.95	-4.25
641	C(C)CC(C)CCCCCCCCC=O)C=C	TR	TR	insoluble	-6.056	-2.243	0.006	-2.462	0.492	-2.961	0.003	-2.261	0.099	-3.261	-2.400	1.216	-3.404	-5.349	0.115	-5.320	-4.383	-4.07	-6.16	-4.26	-4.99
642	CCCCCCOC(=O)C1CCCCCC1)=O)C2CCCC(CC20)N)CC(C	TR	TR	insoluble	-7.395	-4.983	0.006	-7.805	1.008	-4.456	0.005	-7.146	0.562	-4.728	-6.097	1.628	-7.382	-7.475	0.466	-3.760	-3.809	-4.37	-6.41	-4.9	-5.11
643	CCCCCCCCOC(=O)C1CCCCC1)=O)OCC2CCCCC2	TR	TR	insoluble	-8.288	-5.278	0.005	-7.804	0.540	-5.015	0.007	-7.146	0.340	-5.192	-6.310	1.377	-7.401	-7.475	0.466	-6.590	-5.486	-5.46	-8.23	-5.94	-6.52
644	CCCCCCCCOC(C)C1CCCC1)=O	TR	TR	insoluble	-5.884	-4.490	0.004	-4.763	0.414	-3.867	0.005	-5.484	0.205	-4.231	-4.651	0.670	-5.245	-5.123	0.510	-4.720	-4.444	-5.33	-3.89	-4.37	-4.63
645	CN1C(=O)CZCCC3C4CCCCC3=O)NC3C(=O)6CCCC(7CCCC(1C=O)C2C37)C4C56	TR	TR	insoluble	-7.719	-6.185	0.009	-7.716	0.001	-3.302	0.056	-7.719	0.000	-7.590	-6.230	0.082	-7.717	-7.717	0.002	-6.370	-3.259	-2.65	-3.95	-4.28	-4.70
646	C1C1C(2)C(2)C1C2(=O)C(3CCCC4CCCCN5C(=O)C6C(2)C(2)C(2)C(2)C1)C6C5=O)C4=O3)C(=O)C2	/	V	insoluble	-7.727	/	/	/	/	-11.117	0.048	-7.727	0.000	-7.797	-9.422	5.613	-7.727	-7.727	5.464	-3.540	-4.311	-6.58	-6.37	-7.22	-6.29
647	CC(#)1CCC(#)H3C(#)H](C@@H](CC4CC(O)CCC4)(C@@H](C)C[C@@H]1CC[C@@H]2O	V	V	insoluble	-4.879	-4.098	0.005	-4.459	0.598	-3.560	0.005	-4.281	0.341	-4.309	-4.247	0.835	-4.195	-4.170	0.129	-7.020	-4.248	-2.21	-4.3	-3.94	-3.77
648	OC(=O)C1C(C)CCCC(C)C1C1	TR	TR	soluble	-1.467	-3.613	0.004	-2.776	0.412	-4.275	0.003	-2.284	0.100	-3.968	-3.237	0.883	-3.280	-2.530	0.348	-2.250	-2.421	-1.85	-2.64	-2.61	-2.36
649	CO[P](=O)(OC(C)(OC)C)(C)C	TR	TR	soluble	-0.332	-2.582	0.010	-0.349	0.010	-3.108	0.007	-0.913	0.209	-2.160	-1.738	1.317	-0.375	-0.631	0.399	-0.880	-1.442	-1.53	-1.46	-1.49	-1.20
650	CC1=CC(=O)NC(=S)N1	TR	TR	moderately soluble	-2.426	-1.644	0.004	-2.061	0.365	-1.996	0.002	-2.328	0.115	-1.874	-2.007	0.282	-2.264	-2.195	0.189	-1.370	-2.351	-2.03	-1.07	-1.11	-1.70
651	CCC(P)(=S)(OCC)OC1CCCC2C(=C)C(=C)C(=O)OC2C1)C	TR	TR	insoluble	-5.384	-4.554	0.004	-4.234	0.675	-3.808	0.008	-5.242	0.205	-4.617	-5.002	0.638	-5.664	-5.588	0.784	-5.710	-4.212	-3.26	-5.67	-4.23	-4.79
652	COC(=O)C1(CCN(C)CC1)C2CCCCC2	TR	TR	insoluble	-1.886	-3.847	0.002	-2.372	0.304	-2.519	0.003	-2.521	0.137	-3.224	-2.815	0.691	-2.475	-2.447	0.106	-3.080	-2.572	-2.9	-3.84	-3.38	-3.04
653	C1CCC(O)CCCC1C1	TR	TR	soluble	-1.570	-2.323	0.002	-2.012	0.234	-2.678	0.001	-1.851	0.060	-2.525	-2.216	0.365	-1.884	-1.932	0.114	-1.000	-1.223	-1.26	-1.95	-1.96	-1.55
654	CSCC(NNC(=O)=O	TR	TR	soluble	-0.659	-2.212	0.003	-0.660	0.001	-1.286	0.002	-0.452	0.186	-1.136	-1.152	0.790	-0.659	-0.556	0.147	-1.020	-0.396	-0.23	0.53	0.68	-0.18
655	N(C)C1CCCC(O)C(O)C1)C(O)=O	V	V	soluble	-1.596	-2.290	0.002	-2.769	0.523	-1.430	0.002	-1.136	0.348	-1.914	-1.906	0.755	-1.788	-1.953	1.155	-1.160	-0.915	0.82	1.53	1.08	-0.07
656	NCCCCCC(O)=O	TR	TR	highly soluble	0.585	-1.287	0.004	-0.036	0.339	-1.334	0.002	-0.104	0.028	-1.255	-0.690	0.717	-0.098	-0.070	0.048	-1.090	-0.612	-0.88	2.18	1.54	0.17
657	C(C)=C(C)C2(O)C3C4CC(SOC45)C3C1(C)C2(C)C	V	V	insoluble	6.245	-4.357	0.016	-6.293	0.795	-7.289	0.027	-6.183	0.840	-6.968	-6.663	0.461	-6.290	-6.290	0.001	-5.410	-5.684	-5.12	-3.62	-4.51	-5.11
658	CCC(N)C(O)=O	TR	TR	insoluble	6.245	-0.742	0.007	0.128	0.283	-0.609	0.003	0.197	0.261	-0.635	-0.321	0.434	0.041	0.035	0.229	0.130	0.360	0.36	2.04	1.36	0.72
659	N(C@@H](CC1CC(C)(C)C1)C(O)C1)C(C)=O	TR	TR	insoluble	-2.858	-5.517	0.006	-2.860	0.002	-3.220	0.017	-2.969	0.204	-3.496	-3.641	1.259	-2.861	-2.914	0.077	-2.090	-1.429	-1.3	-0.4	-1.82	-1.65
660	C1CnC2C(1)CCC3CCnC23	TR	TR	insoluble	-1.826	-3.755	0.006	-3.594	0.335	-3.706	0.006	-2.536	0.134	-3.705	-3.398	0.578	-2.839	-3.065	0.748	-2.410	-1.383	-2.39	-3.09	-1.96	-2.01
661	CC@12CC(C)#H](C@@H](CC4=CC(=O)CC[C@H]3A)[C@@H]1CC[C@@]2[O]C)RC	TR	TR	insoluble	-4.627	-5.196	0.006	-4.078	0.257	-3.777	0.014	-4.008	0.143	-4.742	-4.264	0.684	-4.030	-4.042	0.052	-4.990	-4.647	-3.17	-3.42	-3.56	-3.89
662	OCC1OC(OC2(O)C(O)C(O)C(O)CC2O)C(O)C(O)C1O	TR	TR	highly soluble	0.358	-1.089	0.013	1.483	0.586	2.181	0.023	-1.056	0.540	0.065	-0.362	1.706	-1.261	-1.270	0.302	-0.790	0.081	4.25	0.17	0.55	0.50
663	N(C)CC1(nH)Cn(C1)C(O)=O	V	V	soluble	-0.531	-1.440	0.003	-0.901	0.594	-1.387	0.003	-1.879	0.316	-1.414	-1.402	0.400	-1.539	-1.390	0.692	-1.510	-0.748	-0.04	2.94	1.85	0.16
664	N1C=C=N(C=O)N1	TR	TR	soluble	-1.143	-0.762	0.006	0.759	0.294	-1.184	0.002	-1.211	0.074	-1.064	-0.979	0.253	-1.121	-1.025	0.330	-1.430	-1.526	-1.14	0.29	0.01	-0.74
665	OCC(C)C1C(C)CCCCC(C)C2CCCC(C)C2C1	TR	TR	insoluble	-6.235	-5.005	0.003	-5.153	0.397	-5.294	0.006	-5.311	0.160	-5.555	-5.654	0.347	-5.940	-5.813	0.424	-6.010	-5.402	-4.45	-5.22	-4.93	-5.34
666	NC1nCnC2nCInHC12	TR	TR	insoluble	-2.118	-0.980	0.009	-1.818	0.937	-2.192	0.005	-1.468	0.324	-1.768	-1.614	0.516	-1.558	-1.643	0.247	-1.890	-2.273	-0.39	2.04	0.74	-0.56
667	CCC1NC1=OIC2CC(C)(C)CC2N1SI(N)I=O)=O	V	V	moderately soluble	-3.286	-3.901	0.003	-3.031	0.604	-2.619	0.005	-2.464	0.581	-3.384	-3.004	0.644	-2.742	-2.748	0.401	-2.370	-2.336	-1.9	-1.74	-1.47	-2.09
668	CCC	V	V	soluble	-1.042	-1.396	0.003	-0.753	-1.478	3.961	-1.293	0.004	-1.909	0.291	-1.306	-1.519	0.271	-1.879	-1.693	0.305	-1.970	-0.82	-0.1	-0.5	-0.66
669	BrC(Br)Br	V	V	soluble	-1.911	-2.288	0.111	-2.578	2.975	-3.279	0.011	-1.938	0.240	-1.342	-2.521	0.569	-1.986	-2.258	0.453	-2.620	-2.062	-2.49	-2.43	-3.15	-2.46
670	CC(C)	TR	TR	insoluble	-2.084	-1.928	0.036	-2.084	0.002	-1.927	0.006	-2.052	0.071	-2.039	-1.998	0.082	-2.083	-2.068	0.023	-2.330	-1.883	-1.65	-1.94	-2.34	-2.04
671	FC(F)(F)C(F)(F)C(C)	TR	TR	insoluble	-2.858	-2.858	0.018	-0.692	0.799	-3.960	0.007	-3.326	0.167	-3.634	-2.909	1.419	-2.870	-2.870	-2.009	1.862	-1.590	-2.908	-3.01	-3.09	-3.19
672	CC1(C)C2CCC1(C)C(=O)C2	TR	TR	insoluble	-1.978	-2.558	0.008	-2.952	0.224	-2.521	0.004	-2.982	0.254	-2.544	-2.753	0.248	-2.966	-2.967	0.021	-2.130	-2.861	-2.6	-2.18	-2.16	-2.48
673	OC1(C(=O)NC(=O)NC1=O)C2(O)C(=O)NC(=O)NC1=O	TR	TR	insoluble	-1.994	-1.257	0.010	-2.000	0.002	-0.545	0.022	-1.056	0.487	-1.754	-1.214	0.603	-1.995	-1.528	0.667	-1.800	-1.894	-0.46	0.6	0.98	-0.76
674	C1C(=CC2(C1C3C)C)C(=C(C)C)C2(O)C3(C)C)C	TR	TR	insoluble	-3.917	-6.972	0.016	-6.251	0.829	-8.015	0.022	-8.015	0.874	-6.882	-6.594	0.351	-6.290	-6.290	0.001	-6.420	-6.661	-5.68	-4.07	-4.9	-5.67
675	C1C(C)ON(C)=O)NC(=O)C2CCCC2	TS	TR	moderately soluble	-2.458	-2.959	0.003	-2.269	0.574	-2.433	0.005	-2.180	0.365	-2.775	-2.460	0.349	-2.215	-2.224	0.063	-2.340	-2.416	-2.58	-3.18	-2.41	-2.52
676	CCC(C)C(C)C	V	V	soluble	-0.380	-0.949	0.008	-1.053	0.792	-1.102	0.003	-0.618	0.065	-1.043	-0.930	0.218	-0.652	-0.836	0.307	-0.390	-0.543	-1.25	-1.45	0.98	-0.76
677	COC(=O)CC(O)(CC(=O)OCC)(=O)OCC	TR	TR	soluble	-0.629	-1.630	0.006	-1.069	0.417	-1.218	0.006	-2.210	0.180	-1.424	-1.532	0.511	-1.867	-1.640	0.807	-1.060	-0.878	-1.61	-1.71	-0.87	-1.33
678	CC1CCC(OP(=O)(OCC)OCC)C(C)CCC(C)CCC(C)CC3)CC1	TR	TR	insoluble	-6.681	-4.295	0.006	-4.439	0.717	-4.195	0.008	-7.047	0.315	-6.196	-6.481	0.460	-6.927	-6.788	0.507	-5.930	-5.214	-3.83	-6.62	-5.44	-5.74
679	CC(C)OCOC(=O)C1CCCCC1)C2CCCCC2	TR	TR	insoluble	-5.769	-4.733	0.004	-4.510	0.545	-4.113	0.004	-5.315	0.107	-4.451	-4.668	0.502	-5.182	-4.912	0.570	-6.200	-5.494	-3.88	-6.27	-5.1	-5.35
680	CCC(C)C(C)CCCO)CC1	V	V	soluble	-2.990	-3.002	0.002	-3.080	0.408	-2.466	0.002	-2.813	0.122	-2.712	-2.840	0.273	-2.875	-2.946	0.188	-2.870	-2.646	-2.12	-3.43	-2.86	-2.80
681	CN1CC(NC(C1)C)CCCCCC(C)C)CCCCC3	TR	TR	insoluble	-2.426	-5.313	0.005	-3.612	0.317	-3.502	0.007	-3.802	0.290	-4.591	-4.057	0.846	-3.711	-3.707	0.134	-3.460	-

786	CCCCCCCCCCCCCCCCCO	TR	TR	Insoluble	-4.348	-4.100	0.008	5.562	0.586	-3.387	0.009	-4.362	0.065	-3.882	-4.604	1.038	-5.382	-5.464	0.144	-4.740	-6.499	-5.37	-6.79	-4.54	-5.55
787	CCCCCCCCCCCCCCCCCCCCCCCCCC	TR	TR	Insoluble	-8.334	-6.566	0.015	8.330	0.002	-6.280	0.031	-5.305	0.238	-8.031	-6.620	1.261	-8.308	-6.818	2.139	-8.060	-7.679	-10.32	-13.77	-9.23	-9.56
788	C1CC(C)(C)C1	TR	TR	moderately soluble	-2.196	-2.410	0.014	-2.601	0.740	-3.202	0.006	-2.391	0.142	-2.939	-2.651	0.379	-2.425	-2.496	0.149	-2.580	-2.447	-2.79	-2.32	-2.5	-2.51
789	C1CC(C)C1C	TS	TR	Insoluble	-0.930	-0.878	0.005	-1.053	0.596	-1.180	0.004	-1.475	0.081	-1.062	-1.147	0.251	-1.425	-1.264	0.299	-0.960	-1.553	-1.55	-1.23	-1.24	-1.33
790	CC(C)CC=C	TS	TR	moderately soluble	-3.244	-1.369	0.009	-2.315	0.829	-1.800	0.003	-2.648	0.128	-1.715	-2.033	0.564	-2.603	-2.482	0.235	-2.860	-2.817	-1.44	-2.31	-1.91	-2.32
791	OCCCC=C	V	V	soluble	-0.179	-0.430	0.006	0.111	1.144	-1.316	0.003	-0.141	0.134	-1.037	-0.444	0.622	-0.114	-0.015	0.178	0.000	-0.553	-0.86	-1.01	-0.81	-0.56
792	CCCBCCC	TR	TR	moderately soluble	-2.168	-1.150	0.006	-2.166	0.001	-1.580	0.003	-2.648	0.135	-1.864	-1.886	0.657	-2.170	-2.407	0.341	-2.960	-2.295	-1.43	-1.92	-1.79	-2.09
793	CC(=O)C1(CCCC2C3C=C)C(=O)C(=O)CC4(C)C3CCC12C	TR	TR	Insoluble	-5.272	-5.201	0.008	-4.245	0.494	-4.370	0.017	-4.370	0.326	-5.195	-4.919	0.512	-4.880	-4.857	0.159	-5.710	-5.275	-5.11	-4.48	-4.44	-4.98
794	CNC1n(CNC)C(C)n(C)Sc1n1	TR	TR	moderately soluble	-2.566	-3.102	0.003	-3.693	0.570	-2.894	0.002	-2.687	0.060	-2.981	-3.094	0.434	-2.782	-3.190	0.711	-1.940	-2.580	-1.99	-0.92	-0.97	-1.86
795	C1C1C2OC2C3C1C4(C)(C=C(C)C3(C)(C)C4)C(C)(C)C1	TR	TR	Insoluble	-8.893	-8.736	0.018	-6.293	0.003	-5.015	0.024	-6.257	0.000	-6.326	-6.582	0.357	-6.290	-6.290	0.001	-6.040	-5.610	-5.41	-4.98	-5.39	-5.62
796	CC(C)=CC(C)=O(C)C	TR	TR	Insoluble	-0.434	-0.806	0.004	-0.923	0.212	-1.399	0.002	-0.452	0.105	-1.196	-0.895	0.391	-0.608	-0.688	0.333	-0.710	-0.101	-1.24	-1.3	-0.83	-0.80
797	OC1CCC(CC1)C2CCCCC2	TR	TR	moderately soluble	-3.468	-3.720	0.004	-2.936	0.204	-3.312	0.003	-5.259	0.290	-3.498	-3.802	1.010	-3.886	-4.087	1.628	-3.190	-3.539	-1.95	-3.93	-3.3	-3.30
798	CCC(C)CC(C)O(=O)C(O)=O	V	V	soluble	-0.861	-1.310	0.010	-0.592	0.603	-1.779	0.002	-0.580	0.168	-1.697	-1.065	0.585	-0.583	-0.586	0.008	-0.730	-1.949	-0.3	-2.24	-1.27	-1.18
799	CC1(OC2CC2C3C1CC12)C(C)(C)C(C)(C)C1C(C)C	TR	TR	Insoluble	-5.160	-4.341	0.006	-4.617	0.601	-3.220	0.006	-5.854	0.250	-3.963	-4.678	1.114	-5.606	-5.375	0.790	-5.480	-5.490	-3.87	-5.23	-4.81	-5.08
800	CCC(C)CCC(C)O	TS	TR	soluble	-1.552	-2.323	0.002	-2.012	0.229	-2.678	0.001	-1.851	0.060	-2.525	-2.216	0.365	-1.885	-1.932	0.114	-1.800	-1.446	-1.26	-1.95	-1.96	-1.58
801	CCNC1n(CN)C(C)n(C)Oc1n1	TR	TR	moderately soluble	-2.070	-1.936	0.005	-2.332	0.209	-2.422	0.002	-2.687	0.124	-2.283	-2.344	0.311	-2.555	-2.510	0.251	-1.170	/	-2.03	-0.14	-0.62	-1.30
802	NC1=C(C)C(=O)N(N=C)C2CCCCC2	TR	TR	moderately soluble	-2.744	-3.462	0.002	-2.948	0.310	-2.945	0.002	-2.228	0.199	-3.236	-2.896	0.507	-2.509	-2.588	0.510	-1.900	-3.059	-2.44	-2.54	-2.52	-2.49
803	OC(=O)C1(C)C(C)CCC1(C)	TR	TR	moderately soluble	-1.388	-2.690	0.002	-1.407	0.206	-3.514	0.002	-2.124	0.142	-3.099	-2.434	0.891	-1.831	-1.766	0.507	-1.170	-2.712	-1.24	0.65	-0.4	-1.12
804	C1CCCC(C)C2CCCCC12	TR	TR	Insoluble	-5.368	-4.309	0.004	-5.184	0.418	-4.423	0.003	-5.698	0.232	-4.387	-4.903	0.657	-5.515	-5.441	0.364	-4.450	-5.493	-2.97	-3.82	-3.71	-4.33
805	COCC1oC(C=O)C1	V	V	soluble	-0.499	-0.874	0.004	-0.917	0.895	-1.293	0.002	-1.431	0.140	-1.840	-1.378	0.660	-1.361	-1.174	0.364	-0.570	-0.143	-0.73	-0.35	-0.57	-0.62
806	NC1(C)C(C)(C)nc(C)O(=O)C1C1	TR	TR	moderately soluble	-2.749	-3.288	0.004	-2.489	0.459	-3.916	0.003	-2.562	0.059	-3.581	-3.064	0.673	-2.554	-2.526	0.052	-1.580	-0.767	-1.04	1.08	-0.11	-0.83
807	CN(C)C(=O)N(C)C(C)(C)C(C)(C)C1	TR	TR	moderately soluble	-3.921	-3.753	0.002	-3.061	0.499	-2.904	0.002	-3.761	0.053	-3.348	-3.615	0.488	-3.772	-3.903	0.229	-2.590	-2.580	-2.03	-3.79	-2.77	-2.92
808	CC(C(=O)CCCCCC(=O)OCC	TR	TR	moderately soluble	-2.041	-2.252	0.004	-2.597	0.238	-2.258	0.003	-2.508	0.054	-2.265	-2.404	0.176	-2.525	-2.553	0.063	-2.350	-1.624	-2.87	-2.59	-1.69	-2.27
809	CDC(C)C(N)C(O)=O	TR	TR	highly soluble	0.485	-0.190	0.005	0.437	0.448	-0.522	0.003	0.270	0.135	-0.404	-0.001	0.437	0.308	0.353	0.118	-0.130	-0.008	0.53	2.12	1.47	0.72
810	CC(C)CCC(C)(C)BrI1C	TR	TR	Insoluble	-4.272	-2.049	0.005	-2.827	0.277	-2.167	0.004	-4.004	0.089	-2.164	-2.771	0.915	-1.747	-3.435	0.860	-4.110	-3.760	-1.8	-3.44	-2.9	-3.29
811	OC(=O)CCCC1(CCCCC1	V	V	moderately soluble	-2.466	-3.332	0.003	-3.289	0.452	-2.887	0.002	-2.445	0.097	-3.059	-2.988	0.414	-2.595	-2.867	0.596	-3.340	-3.305	-2.31	-4.38	-3.11	-3.17
812	CCO(P(I=S)(OCC)SCN)C(=O)OC2C(C)(C)C1CCC12	TR	TR	Insoluble	-5.091	-5.415	0.007	-4.814	0.564	-5.017	0.011	-5.662	0.268	-5.279	-5.307	0.487	-5.586	-5.388	0.784	-3.890	-4.366	-2.45	-5.89	-4.08	-4.38
813	CC1n(C)C(=C)nC2n1	TR	TR	soluble	-0.119	-1.786	0.007	-1.818	0.494	-2.557	0.003	-0.593	0.160	-2.284	-1.686	0.817	-0.885	-1.201	0.873	-1.640	-2.076	-1.43	1.42	-0.05	-0.78
814	OC1n(=C2nCnC1)2	V	V	soluble	-0.466	-1.646	0.007	-1.808	0.516	-2.571	0.003	-0.583	0.151	-2.241	-1.652	0.819	-0.860	-1.196	0.866	-1.370	-1.907	-1.43	1.67	-0.04	-0.66
815	OC(=O)CN(C)P(I)(O)(O=O)C)P(I)(O)(O)=O	TR	TR	soluble	-0.026	-2.621	0.011	-0.029	0.002	-1.158	0.009	-1.402	0.223	-0.520	-1.302	1.063	-0.041	-0.715	0.971	-1.780	-2.828	2.46	2.87	2.63	0.55
816	CC1(C2CCCCC2C3C4CCCC4CCC13	TR	TR	Insoluble	-7.343	-5.755	0.007	-7.245	0.391	-5.465	0.011	-7.354	0.108	-5.350	-6.226	1.408	-7.360	-7.354	0.013	-7.180	-5.780	-3.65	-7.46	-6.26	-6.28
817	CC1C2CCCCC2C1n=O	TR	TR	moderately soluble	-2.937	-2.726	0.003	-2.310	0.376	-3.750	0.003	-3.274	0.091	-3.186	-3.015	0.629	-3.086	-2.792	0.682	-2.100	-2.980	-1.11	-2.98	-2.36	-2.39
818	C(C.@@)(CCC)[O-])=O)N=N(C@)C)(CCCC[O-])=O)C#N)C#N	TR	TR	moderately soluble	-2.008	-2.530	0.007	-2.009	0.001	-1.665	0.018	-2.008	0.000	-2.033	-2.053	0.357	-2.009	-2.009	0.001	-3.850	-2.121	-1.39	-3.08	-1.23	-2.28
819	CCC(N)C(O)=O	TR	TR	highly soluble	0.287	-0.297	0.005	-0.521	0.651	-0.755	0.002	0.197	0.252	-0.611	-0.344	0.406	-0.003	-0.162	0.508	0.300	0.000	0.34	1.74	1.25	0.60
820	CC(P(I=S)(OCC)SCN)C(=O)OC2C(C)(C)C1(C)C1C1C	TS	TR	Insoluble	-5.492	-4.945	0.008	-4.407	0.854	-5.664	0.008	-4.407	0.496	-5.304	-4.966	1.006	-4.407	-4.407	0.001	-3.440	-4.346	-3.23	-5.07	-4.11	-3.95
821	CC(C)C(NNC)C=O)C(O)=O	TS	TR	moderately soluble	-0.633	-1.405	0.003	-1.120	0.734	-0.981	0.002	-0.452	0.197	-1.147	-0.989	0.399	-0.593	-0.786	0.472	-0.580	-0.296	-0.5	-0.99	-0.59	-0.59
822	CC(C)CCCCO	V	V	soluble	-1.540	-1.555	0.004	-1.053	0.573	-1.096	0.004	-1.475	0.086	-1.325	-1.295	0.257	-1.420	-1.264	0.299	-0.690	-1.847	-1.68	-2.03	-1.61	-1.55
823	[O-][N+](=O)C1(CCCC)[C]1C1	V	V	moderately soluble	-3.488	-2.846	0.002	-2.769	0.316	-4.115	0.003	-2.284	0.132	-3.412	-3.002	0.779	-2.427	-2.527	0.343	-2.600	-3.016	-1.47	-2.82	-2.4	-2.46
824	CCC1C(=O)N(C=O)N(C=O)N(C)=O)C2=CC3CCC(C)C3C2	TR	TR	moderately soluble	-2.770	-3.585	0.005	-3.352	0.341	-3.413	0.009	-2.875	0.352	-3.527	-3.559	0.615	-3.630	-3.619	1.052	-3.200	-3.108	-1.26	-3.76	-2.93	-3.28
825	CCC1C2CCCCC2C3C1CCC4CCCCC34	TR	TR	Insoluble	-6.796	-5.933	0.007	-7.341	0.757	-4.548	0.012	-7.354	0.272	-5.445	-6.297	1.345	-7.359	-7.354	0.013	-7.370	-5.691	-4.05	-8.02	-6.62	-6.52
826	[nH]1C2CCCCC2n3C1c3cCCC3	TR	TR	moderately soluble	-3.414	-3.275	0.008	-3.594	0.307	-3.892	0.007	-2.535	0.166	-3.565	-3.324	0.582	-2.907	-3.065	0.748	-2.640	-0.903	-1.85	-1.09	-1.65	-1.84
827	OC(=O)CC(P(=O)(O)O)C(O)=O	V	V	soluble	-0.795	-1.087	0.004	-0.038	0.443	-1.744	0.002	-0.452	0.349	-1.536	-0.689	0.747	-0.268	-0.244	0.294	-0.150	0.043	0.32	-1.06	-0.55	-0.28
828	C1/C=C/CO	V	V	highly soluble	0.362	0.254	0.007	-0.001	0.438	-0.959	0.003	-0.141	0.129	-0.620	-0.212	0.525	-0.109	-0.071	0.098	0.310	0.038	-0.05	-0.41	-0.49	-0.12
829	OC(=O)C1CCCnc1NC2CCCC(C)C(F)F)F	V	V	Insoluble	-4.172	-4.380	0.012	-4.345	0.991	-4.468	0.009	-5.141	0.297	-4.641	-4.707	0.370	-4.959	-4.745	0.562	-2.570	-2.760	-2.37	-1.06	-1.68	-2.57
830	CN(C=C)N=O	V	V	soluble	-0.458	0.397	0.008	0.083	1.043	-2.024	0.002	0.187	0.212	-1.451	-0.337	1.152	0.178	0.140	0.081	0.070	-0.663	0.1	-0.94	-0.67	-0.32
831	CC(=O)CCCCC(O)=O	TS	TR	moderately soluble	-0.608	-0.534	0.010	-0.610	0.610	-2.977	0.004	-1.433	0.210	-3.159	-2.139	1.408	-1.203	-0.984	0.635	-1.020	-0.851	-0.47	-2.08	-0.62	-1.04
832	CC(C)C(O)C=C	V	V	soluble	-0.515	-1.047	0.005	-0.521	0.731	-1.151	0.002	-0.618	0.102	-1.110	-0.834	0.311	-0.606	-0.570	0.069	-0.530	-0.607	-0.54	-1.58	-1.31	-0.86
833	CCC(O)/C=C/C	V	V	soluble	-0.420	-0.860	0.005	-0.744	0.656	-1.256	0.002	-0.618	0.074	-1.116	-0.870	0.276	-0.631	-0.681	0.089	-0.870	-0.406	-0.54	-1.38	-1.18	-0.83
834	CCC(C)C(O)CCC	V	V	moderately soluble	-1.736	-1.902	0.004	-2.002	0.523	-1.524	0.003	-2.192	0.062	-1.721	-1.905	0.281	-2.117	-2.097	0.134	-1.950	-1.673	-2.1	-2.55	-1.95	-2.07
835	CO[P(I=S)(OC)OC1n=C(C)C2(C)CC1C]	TR	TR	Insoluble	-4.831	-4.318	0.008	-4.408	0.349	-5.269	0.008	-4.407	0.216	-4.803	-4.600	0.448	-4.407	-4.407	0.001	-2.910	-2.912	-2.44	-4.31	-3.61	-3.43
836	CC(C)C(=O)C(=O)C(O)(C)C1C(C)C(=O)C1)C2CCC(C)(C)C2	TR	TR	moderately soluble	-5.354	-5.562	0.003	-5.531	0.428	-4.401	0.004	-4.683	0.317	-5.130	-5.087	0.548	-5.131	-5.181	0.470	-4.200	-3.450	-3.47	-5.04	-4.43	-4.29
837	CN(C(O)C)C(C)C(O)C(O)C	TR	TR	highly soluble	0.408	-0.438	0.008	0.360	0.405	1.595	0.003	-0.383	0.202	0.353	0.283	0.947	-0.136	-0.012	0.525	0.200	0.291	1.55	1.03	1.14	0.68
838	NC(C(=O)C(C)=O)C	TR	TR	soluble	-0.992	-0.882	0.004	-0.546	0.154	-0.922	0.003	-0.583	0.265	-0.895	-0.441	0.704	-0.129	0.020	0.797	-0.880	-1.248	0.89	2.16	1.84	0.44
839	CC(C)C(C)C	TS	TR	moderately soluble	-2.354	-1.910	0.007	-0.091	1.457	-2.225	0.003	-2.337	0.139	-2.124	-1.641	1.049	-2.142	-1.214	1.588	-1.910	-2.160	-1.94	-1.91	-1.99	-2.01
840	CCCCC(NC(C)=O)C(O)=O	TR	TR	soluble	-0.682	-1.837	0.002	-0.592	0.297	-1.442	0.002	-0.580	0.066	-1.596	-1.113	0.629	-0.583	-0.586	0.008	-1.110	-0.569	-1.29	-1.42	-0.81	-0.96
841	CCC(C)C	V	V	soluble	-1.051	-0.069	0.002	-0.492	0.049	-2.179	0.005	-1.165	0.262	-2.105	-0.976	0.920	-1.143	-0.828	0.476	-1.850	-0.768	-1.29	-1.42	-0.84	-1.22
842	COC(=O)/C=C/C(O)P[I=O)(O)C]OC	TR	TR	highly soluble	0.428	-1.199	0.008	-0.056	0.691	-2.396	0.005	-0.542	0.175	-1.926	-1.548	0.839	-0.848	-1.299	1.070	-0.580	-0.712	-0.46	-2.49	-1.59	-1.11
843	CC(C)OC(=O)C1CC(CC1)[N+](O-])=O)C(=O)OC(C)C	TR	TR	Insoluble	-3.693	-2.953	0.004	-3.324	0.201	-3.414	0.005	-4.017	0.206	-3.181	-3.683	0.621	-4.184	-4.183	0.234	-2.670	-3.006	-1.25	-3.92	-2.64	-2.95
844	CCCNCC	TS	TR	soluble	-0.441	-1.012	0.006	-1.288	0.525	-1.288	0.003	-0.618	0.096	-1.184	-1.448	0.389	-0.965	-1.746	1.595	-0.550	-0.839	-1.25	-1.45	-1.21	-1.21
845	CC(C(C)O[P(=O)(O)C)C(C)O)OC(C)C	TR	TR	moderately soluble	-2.436	-4.657	0.008	-1.057	0.480	-4.304	0.007	-2.436	0.000	-2.858	-3.114	1.682	-2.433	-1.747	0.975	-3.580	-3.391	-3.46	-3.38	-2.91	-3.19
846	CN(C)C)C(=O)C(C)OC1CCCC2CCCCC12	TR	TR	moderately soluble	-3.570	-4.311	0.004	-4.510	0.292	-3.194	0.002	-3.570	0.000	-3.593	-3.896	0.619	-3.573	-4.040	0.664	-3.470	-4.140	-3.01	-4.44	-3.78	-3.74
847	CSC1nCCnCnCnCn1	TR	TR	soluble	-1.756	-2.960	0.005	-1.758	0.001	-3.197	0.003	-2.171	0.226	-2.149	-2.521	0.672	-1.759	-1.964	0.292	-2.490	-2.247	-1.55	0.5	-0.42	-1.33
848	CC1NC(CC)C(C)C(C)C(C)=O)N1C3CCCCC3C1S(N)(=O)=O	TR	TR	moderately soluble	-3.783	-5.261	0.003	-3.828	0.059	-3.731	0.007	-4.001	0.244	-4.728	-4.228	0.706	-3.879	-3.960	0.185	-2.760	-4.180	-3.13	-3.53	-3.18	-3.31
849	CC(C)CNCC(O)C1CC(O)C(O)C1	TR	TR	soluble	-1.230	-3.209	0.002	-2.739	0.511	-1.256	0.004	-2.216	0.267	-2.476	-2.355	0.838	-2.395	-2.477	0.370	-1.500	-1.234	-1.26	-1.88	-1.52	-1.63
850	CCCCCC(O)C	V	V	Insoluble	-2.017	-1.824	0.004	-3.110	0.507	-1.681	0.003	-2.192	0.047	-1.765	-2.201	0.643	-2.269	-2.651	0.649	-1.880	-1.922	-2.12	-2.86	-2.07	-2.19
851	CCOC(NN)C1nCnCNC1=NC=NC1n2n1N	TR	TR	moderately soluble	-2.530	-2.222	0.003	-3.422	0.428	-3.051	0.006	-1.541	0.275	-1.829	-2.659	1.028	-2.277	-2.481	1.330	-1.590	-2.882	0.09	1.1	0.72	-0.86
852	CN(C=O)OC1CCCC2OC(C)(C)OC12	TR	TR	moderately soluble	-2.934	-2.537	0.005	-2.449	0.496	-2.938	0.002	-3.289	0.211	-2.814	-2.803	0.387	-3.038	-2.869	0.594	-1.010	-1.881	-1.51	-1.97	-1.81	-1.87
853	CC(O[P(=S)(OCC)OC1n=Cn(n1)C2CCCCC2	TR	TR	moderately soluble	-3.905	-3.995	0.004	-3.905	0.001	-4.494	0.006	-5.141	0.267	-3.969	-4.384	0.568	-3.908	-4.524	0.875	/	/	-2.79	-4.96	-3.45	-3.78
854	CCCCCC(C)CCC1=O)C(=O)OC	TR	TR	moderately soluble	-2.908	-3.207	0.002	-2.672	0.241	-2.703	0.002	-3.140	0.175	-2.987	-2.931	0.283	-2.943	-2.906	0.331	-2.820	-2.938	-3.19	-3.23	-2.46	-2.93
855	CN(C=O)N(CC)C1C1nn1C)F)F)F	TR	TR	moderately soluble	-2.058	-3.746	0.010	-2.769	0.412	-2.961	0.010	-2.661	0.175	-3.328	-3.004	0.491	-2.693	-2.715	0.077	-2.820	-2.504	-1.18	-2.1	-2	-2.50
856	CNC1=C(C)C1=O(N)N=C1)C2CCCC(C)C2)F)F)F	TR	TR	moderately soluble	-3.955	-4.934	0.009	-2.863	0.551	-3.839	0.006	-5.141	0.269	-4.277	-4.195	1.056	-4.395	-4.003	1.612	-4.000	-5.165	-3.87	-3.79	-3.76	-4.16
857	CC(=C)CC1(C(=O)OCC2Co(C)C3CCCCC3)C2C1)C(C	TR	TR	Insoluble	-6.005	-5.212	0.004	-5.931	0.648	-4.893	0.003	-6.015	0.578	-4.809	-5.014	0.360	-5.163	-5.171	0.198	-7.560	-5.470	-4.16	-6.73	-5.44	-5.75
858	CC(C)C(O)C(C)C(C)C(C)C(N)=O)C1	TR	TR	soluble	-1.302	-3.599	0.004	-3.661	0.603	-1.437	0.006	-2.189	0.356	-2.673	-2.721	1.093	-2.735	-2.925	1.041	-2.090	-0.950	-1.519	-1.98	-1.53	-1.61
859	CCCCC(C)C(C)O	TR	TR	moderately soluble	-2.058	-1.906	0.003	-2.002	0.532	-1.438	0.003	-2.192	0.077	-1.683	-1.884	0.320	-2.168	-2.097	0.134	-1.750	-1.935	-1.74	-2.83	-2.12	-2.09
860	C1CC(C)(C)CC(C)(C)CC(C)C(C)C2	TR	TR	Insoluble	-6.375	-6.388	0.006	-7.146	0.318	-4.286	0.007	-7.192	0.148	-6.365	-6.753	0.482	-7.177	-7.169	0.032	-6.220	-6.665	-4.28	-4.8	-4.85	-5.67
861	CCN(CCC)C1(C)CC(C)C1N=[I][O-])=O)C(=O)C(C)N+[I][O-])=O	TR	TR	Insoluble	-6.449	-5.409	0.004	-6.447	0.001	-4.411	0.006	-4.995	0.182	-5.826	-4.815	1.269	-6.441	-5.719	1.030	-5.520	-4.276	-1.95	-5.55	-3.7	-4.57
862	CC(N(C)=O)N1C(C=O)N(C)C(=O)C2C(C)(C)C(C)C2	TR	TR	moderately soluble	-4.376	-4.660	0.002	-3.481	0.360	-4.433	0.005	-4.150	0.263	-4.546	-4.167	0.494	-3.867	-3.815	0.473	-4.280	-4.473	-2.16	-3.52	-3.18	-3.53
863	C1CC2OC3C(C)(C)C(C)C(C)C(C)C3C(O)C2)C(C)C1C	TR	TR	Insoluble	-11.480	-7.611	0.016	-11.769	0.252	-8.896	0.019	-11.775	0.230	-8.450	-10.013	2.098	-11.772	-11.772	0.005	-5.470	-5.661	-4.35	-4.58	-5.37	-6.20
864	C1CCCC(C)(C)C1C2C2C(C)(C)C(C)C2C	TR	TR	Insoluble	-7.930	-7.440	0.011	-7.693	0.289	-7.320	0.010	-8.461	0.141	-7.422	-7.728	0.512	-8.209	-8.077	0.543	-7.450	-7.046	-5.01	-5.42	-5.65	-5.46
865	CC(C)C(C)C(C)C2C(C)C(C)C(C)C2C	TR	TR	Insoluble	-7.831	-7.461	0.011	-7.693	0.299	-7.320	0.010	-8.461	0.141	-7.431	-7.734	0.508	-8.215	-8.077	0.543	-7.820	-7.045	-5.01	-5.42	-5.65	-6.53
866	CCC(C)NC1C(C)C(C)C(C)C1N+[I][O-])=O)N+[I][O-])=O	TR	TR	Insoluble	-5.972	-2.920	0.005	-4.348	0.629	-4.043	0.006	-3.727	0.257	-3.433	-3.759	0.614	-3.908	-4.038	0.439	-4.380	-3.687	-1.61	-5.53	-3.53	-3.77
867	CCO(P[I=S)(OCC)OC1nn(C)C(C)C(C)n1	TR	TR	moderately soluble	-3.658	-3.534	0.006	-4.115	0.471	-4.225	0.007	-4.407	0.155	-3.853	-4.070	0.377	-4.334	-4.261	0.206	/	/	-2.57	-4.91	-3.24	-3.76
868	CC(C)C(C)C(O)C2C(C)C(C)C(C)C(C)C2	TR	TR	Insoluble	-5.934	-4.443	0.008	-6.567	0.414	-5.603	0.006	-5.942	0.179	-4.849	-5.639	0.892	-6.131	-6.255	0.442	-3.300	-4.051	-2.22	-4.28	-3.54	-3.92
869	CCC(C)C(O)C2C(C)C(C)C(C)C2	TR	TR	Insoluble	-6.494	-5.397	0.013	-6.567	0.433	-5.878	0.014	-5.942	0.408	-5.646	-5.946	0.480	-6.245	-6.255	0.442	-4.570	-5.168	-2.93	-5.1	-4.31	-4.72
870	CC(OC(=O)C(C)C(=O)OC(C)C)=C1SCCS1	TR	TR	moderately soluble	-3.731	-4.820	0.003	-3.786	0.346	-3.362	0.004	-3.731	0.000	-3.920	-3.924	0.626	-3.731	-3.758	0.039	-2.360	-3.661	-1.98	-4.71	-3.06	-3.25
871	CN=C(NCCSC1nC)NH)C1)NC#N	TR	TR	moderately soluble	-1.430	-3.813	0.002	-3.016	0.525	-2.626	0.004	-1.552	0.108	-3.373	-2.752	0.940	-1.801	-2.284	1.035	-1.680	-2.505	-2.74	-1.35	-0.81	-1.81
872	CC(C)C(C)C(C)C(C)C(C)C(C)C(C)C2	V	V	Insoluble	-6.949	-7.522	0.007	-7.693	0.261	-7.320	0.010	-8.461	0.141	-7.459	-7.749	0.498	-8.192	-8.077	0.543	-7.320	-7.046	-5.01	-5.42	-5.65	-6.44
873	C1CCCCC(C)(C)C2CCC(C)(C)C2	TR	TR	Insoluble	-7.050	-6.813	0.008	-7.409	0.264	-6.686	0.007	-7.408	0.006	-6.996	-7.079	0.384	-7.408	-7.408	0.000	-4.750	-6.860	-4.65	-5.11	-5.25	-6.12
874	C1CCCC(C)(C)C1C2C2C(C)(C)C(C)(C)C2C1	TR	TR	Insoluble	-8.261	-7.996	0.016	-7.693	0.506	-7.953	0.014	-8.461	0.267	-7.969	-8.018	0.321	-8.195	-8.077	0.543	-8.010	-7.224	-5.37	-5.74	-6.05	-6.76
875	CC(C)C(C)C(C)C(C)C(C)C(C)C(C)C2	V	V	Insoluble	-6.215	-7.536	0.011	-7.693	0.239	-7.381	0.010	-8.461	0.156	-7.492	-7.767	0.479	-8.157	-8.077	0.543	-7.820	-7.057	-5.01	-5.42	-5.65	-6.47
876	C1CCCCC(C)(C)C2C(C)(C)C(C)(C)C(C)C2	TR	TR	Insoluble	-8.604	-7.339	0.012	-7.693	0.271	-7.383	0.010	-8.461	0.160	-7.408	-7.720	0.518	-8.176	-8.077	0.543	-7.570	-7.040	-5.01	-5.42	-5.65	-6.48
877	CC(C)C(C)C(O)C(O)C1CCC(C)(C)C1n2CnCn2	TR	TR	moderately soluble	-3.392	-4.234	0.003	-3.481	0.518	-3.540	0.003	-3.717	0.326	-3.885	-3.743	0.342	-3.626	-3.599	0.167	/	/	-2.15	-3.21	-3.05	-3.01
878	C1=C(C)S1)=O)(=O)C(S)S1)=O)=O	V	V	Soluble	-1.660	-2.500	0.009	-1.903	2.122	-1.029	0.008	-1.868	0.446	-1.711	-1.825	0.605	-1.874	-1.886	0.024	-0.870	-0.919	-1.59	-1.16	-1.04	-1.21
879	C1CCCCC1C1C(C)(C)C(C)C(C)C2	TR	TR	Insoluble	-7.252	-6.406	0.008	-7.409

983	[O-]IN+]II=O[IC]CCCCC1[IN+]II[I-]I=O	TS	TR	moderately soluble	-2.499	-1.732	0.003	-2.595	0.472	-3.503	0.006	-1.755	0.221	-2.305	-2.396	0.840	-2.022	-2.175	0.594	-2.200	-2.512	0.15	-2.62	-1.48	-1.78
984	CC1[C]CC[C]C1[N+]II[O-]I=O[IN+]II[O-]I=O[IN+]II[O-]I=O	V	V	moderately soluble	-3.242	-1.645	0.005	-1.340	0.495	-4.066	0.012	-2.661	0.281	-2.361	-2.428	1.229	-2.182	-2.000	0.934	-2.770	-3.489	0.84	-3.49	-1.72	-2.14
985	CCOC[N]=O	V	V	highly soluble	0.731	0.517	0.006	0.083	0.418	-1.066	0.002	0.197	0.072	-0.660	-0.067	0.691	0.180	0.140	0.081	0.340	0.566	0.1	-0.49	-0.17	0.09
986	NC[N]=OC=C	V	V	highly soluble	0.954	0.435	0.015	0.064	0.165	-0.922	0.003	0.852	0.166	-0.822	-0.110	0.758	0.776	0.458	0.557	0.920	0.778	0.23	0.24	0.21	0.53
987	CCOCC	V	V	soluble	-0.089	0.711	0.009	0.111	1.054	-1.135	0.003	-0.141	0.057	-0.640	-0.113	0.769	-0.128	-0.015	0.178	0.000	-0.437	-1.07	-0.67	-0.73	-0.51
988	CCCOCCC	V	V	soluble	-1.319	-0.600	0.006	-2.874	0.811	-1.590	0.003	-1.475	0.104	-1.261	-1.635	0.937	-1.634	-2.174	0.989	-0.890	-1.359	-1.94	-1.85	-1.49	-1.53
989	C1C[C]CC[C]C1C[C]C[C]C2	TS	TR	insoluble	-6.556	-5.192	0.004	-5.647	0.187	-4.984	0.004	-5.698	0.098	-5.115	-5.380	0.349	-5.680	-5.672	0.036	-6.060	-6.293	-3.53	-4.18	-4.04	-4.96
990	[S]C[C]CC[C]C[C]C2	TS	TR	insoluble	-4.593	-4.445	0.004	-5.248	0.476	-4.181	0.003	-5.253	0.191	-4.310	-4.782	0.552	-5.252	-5.251	0.003	-5.930	-6.127	-3.14	-5.02	-4.34	-4.97
991	C1C[C]CCCC[C]C[C]C2	TS	TR	insoluble	-5.081	-5.067	0.003	-5.647	0.155	-4.893	0.003	-5.698	0.089	-5.001	-5.326	0.406	-5.679	-5.672	0.036	-6.220	-6.281	-3.53	-4.56	-4.28	-5.09
992	C1C[C]CCC[C]C1C2C[C]C[C]CCC2C2	TS	TR	insoluble	-7.390	-6.180	0.006	-7.146	0.188	-6.286	0.007	-7.192	0.148	-6.266	-6.701	0.542	-7.171	-7.169	0.032	-6.560	-6.647	-4.28	-4.8	-4.85	-5.72
993	C1C[C]CC[C]C1C2C[C]C[C]C[C]C2	V	V	insoluble	-7.387	-6.935	0.008	-7.409	0.164	-6.686	0.007	-7.408	0.006	-7.039	-7.109	0.360	-7.408	-7.408	0.000	-7.130	-6.855	-4.65	-5.11	-5.25	-6.07
994	C1C[C]CC[C]C1C[C]C2CCC[C]C[C]C2	TS	TR	insoluble	-6.900	-6.401	0.006	-7.146	0.342	-6.051	0.005	-7.192	0.087	-6.250	-6.697	0.563	-7.182	-7.169	0.032	-6.730	-6.674	-4.28	-4.8	-4.85	-5.75
995	C1C[C]CC[C]C1C[C]C2CCC[C]C[C]C2	V	V	insoluble	-6.853	-6.387	0.006	-7.146	0.292	-6.051	0.005	-7.192	0.087	-6.244	-6.694	0.565	-7.181	-7.169	0.032	-6.870	-6.672	-4.28	-4.8	-4.85	-5.78
996	C1C[C]CC[C]C1C[C]C2CCCC2	TS	TR	insoluble	-5.288	-5.079	0.003	-5.647	0.093	-4.817	0.003	-5.698	0.139	-4.957	-5.310	0.432	-5.667	-5.672	0.036	-6.060	-6.299	-3.53	-5.13	-4.62	-5.22
997	C1C[C]CC[C]C1C[C]C2CCC[C]C2	TS	TR	insoluble	-5.296	-5.124	0.004	-5.647	0.197	-4.817	0.003	-5.698	0.139	-4.967	-5.321	0.425	-5.677	-5.672	0.036	-6.140	-6.296	-3.53	-5.13	-4.62	-5.23
998	C1C[C]CC[C]C1[C]C2CCCC2C2	V	V	insoluble	-5.280	-5.079	0.003	-5.647	0.039	-4.825	0.003	-5.698	0.133	-4.979	-5.312	0.429	-5.658	-5.672	0.036	-6.210	-6.283	-3.53	-4.37	-4.16	-5.04
999	C1C[C]CC[C]C1[C]C2[C]C[C]C[C]C2	V	V	insoluble	-8.381	-7.460	0.011	-7.693	0.210	-7.320	0.010	-8.461	0.141	-7.432	-7.733	0.509	-8.152	-8.077	0.543	-7.630	-7.052	-5.01	-5.42	-5.65	-6.49
1000	C1C[C]CC[C]C1[C]C2[C]C[C]C[C]CC2C2	TS	TR	insoluble	-7.324	-6.940	0.008	-7.409	0.263	-6.686	0.007	-7.408	0.006	-7.032	-7.111	0.359	-7.408	-7.408	0.000	-7.000	-6.853	-4.65	-5.11	-5.25	-6.05
1001	C1C[C]CC[C]C1C[C]C2[C]C[C]C[C]C2C2	TS	TR	insoluble	-7.903	-7.408	0.011	-7.693	0.414	-7.465	0.011	-8.461	0.207	-7.467	-7.756	0.485	-8.204	-8.077	0.543	-7.460	/	-5.01	-5.42	-5.65	-6.35
1002	C1C[C]CC[C]C1[C]C2C[C]C[C]CCC2C	TS	TR	insoluble	-6.210	-5.626	0.004	-6.323	0.163	-5.514	0.004	-6.170	0.036	-5.607	-5.908	0.398	-6.197	-6.246	0.109	-6.380	-6.463	-3.91	-4.49	-4.44	-5.31
1003	C1C[C]CC[C]C1[C]C2CCC[C]C2	TS	TR	insoluble	-6.287	-5.712	0.004	-6.323	0.193	-5.416	0.003	-6.170	0.071	-5.575	-5.905	0.417	-6.211	-6.246	0.109	-6.630	-6.473	-3.91	-4.68	-4.56	-5.41
1004	C1C[C]CC[C]C1[C]C2CCC[C]C[C]C2	TS	TR	insoluble	-6.554	-5.844	0.004	-6.323	0.262	-5.461	0.004	-6.170	0.030	-5.668	-5.949	0.382	-6.185	-6.246	0.109	-6.510	-6.479	-3.91	-4.49	-4.44	-5.34
1005	C1C[C]CC[C]C1[C]C2CCC[C]C2[C]C	TS	TR	insoluble	-6.465	-6.271	0.006	-7.146	0.233	-6.051	0.005	-7.192	0.087	-6.194	-6.665	0.589	-7.179	-7.169	0.032	-6.900	-6.656	-4.28	-4.8	-4.85	-5.78
1006	C1C[C]CC[C]C1C[C]C2C[C]C[C]C[C]C2C	TS	TR	insoluble	-8.421	-7.918	0.011	-7.693	0.287	-7.320	0.010	-8.461	0.141	-7.412	-7.723	0.516	-8.208	-8.077	0.543	-7.860	-7.049	-5.01	-5.42	-5.65	-6.53
1007	TR+O[C]C[C]C[C]C[C]C[C]C1=O	V	V	moderately soluble	-3.032	-2.032	0.003	-2.029	0.472	-3.099	0.005	-2.493	0.170	-3.047	-2.663	0.502	-2.370	-2.261	0.328	-2.000	-2.366	-2.11	-2.04	-2.02	-2.17
1008	C1CCCCC1N=NC2CCCCC2	TS	TR	insoluble	-4.454	-3.905	0.004	-4.527	0.391	-4.876	0.007	-5.698	0.177	-4.271	-4.751	0.748	-5.333	-5.112	0.828	-4.180	-4.015	-2.85	-4.02	-3.31	-3.95
1009	C1C[C]CC[C]C1[C]C2CCC[C]C[C]C2[C]C[C]C[C]C1	TS	TR	insoluble	-7.903	-7.386	0.008	-7.409	0.739	-6.612	0.010	-7.408	0.339	-7.045	-7.203	0.395	-7.408	-7.408	0.000	-8.440	-7.418	-5.42	-6.37	-6.05	-6.85
1010	CN[C+]C5[IN]=S[O]C[C]C[C]C[C]C[C

1180	CC1=NC(=NC=C1)C2CC2NC3=CC=CC=C3	V	V	Insoluble	4.050	-3.944	0.006	-3.809	0.695	4.472	0.004	-5.876	0.334	-4.272	-4.526	0.945	-5.205	-4.843	1.461	-3.730	-3.343	-5.21	-4.5	-4.08	-4.34
1181	CCl=O(OCC1=O)C1(OICCC2C3CCC4=CC(=O)CCC4(C)C3C)OIC1C2C	TR	TR	Insoluble	-4.610	-4.784	0.005	5.152	0.280	-2.927	0.012	-3.591	0.306	-4.252	-4.114	1.034	-4.406	-4.372	1.104	-3.510	-4.082	-3.25	-3.94	-3.46	-3.77
1182	COC1=CC=C2C=C(C=C2=C1)C(C)(O)=O	V	V	moderately soluble	-3.250	-3.099	0.004	-2.269	0.679	-3.160	0.002	-3.892	0.140	-3.146	-3.105	0.664	-3.615	-3.080	1.148	-3.170	-3.947	-4.02	-3.99	-3.61	-3.73
1183	CC1=CC(=C(C=C1)C(=O)C2=CC=CC=C2	TS	TR	Insoluble	-5.690	-5.627	0.005	6.402	0.442	-5.462	0.004	-6.178	0.030	-5.349	-5.365	0.634	-6.184	-5.286	0.164	-6.280	-6.026	-6.77	-6.38	-5.5	-6.02
1184	CC1=CC(=C(C=C1)C)C2=CC=CC=C2C	TR	TR	Insoluble	-6.060	-6.918	0.005	6.402	0.516	-5.514	0.004	-6.170	0.036	-5.309	-5.751	0.671	-6.185	-6.286	0.164	-6.200	-6.108	-6.77	-5.23	-5.41	-5.98
1185	CN.N=(CSC1=NC(C)=O)[S][N]=O)=O	TR	TR	Insoluble	-1.920	-2.877	0.007	-1.923	0.001	-0.767	0.009	-0.864	0.443	-1.921	-1.608	0.995	-1.921	-1.394	-0.767	0.390	-2.864	-0.45	-2.71	-1.52	-2.09
1186	C1=CC=C(C)C(=C1)C(=O)C2=CC=CC=C2	V	V	Insoluble	-5.240	-4.868	0.005	5.462	0.441	-5.453	0.004	-6.154	0.036	-5.277	-5.731	0.686	-6.187	-6.286	0.164	-6.250	-6.149	-6.77	-5.43	-5.53	-6.05
1187	[O-][N+](=O)C1=CC=CC(=1)[C+]N(N2CC(=O)NN2C=O	V	V	moderately soluble	-3.380	-1.817	0.006	2.965	0.866	-3.462	0.009	-2.464	0.332	-2.492	-2.677	0.703	-2.603	-2.714	0.355	-2.470	-3.223	-1.09	-1.6	-1.04	-2.00
1188	COC(=O)[F+-S](OC)(OC1=CC=CC=C1[N+](][O-])	TR	TR	moderately soluble	-3.680	-2.383	0.006	4.157	0.284	-4.102	0.005	-3.977	0.184	-3.360	-3.655	0.851	-4.048	-4.067	0.128	-3.260	-3.274	-2	-4.94	-3.22	-3.46
1189	CCOC1OC2=CC=C(O[S](C)=O)=O)C=C2C1(C)C	TR	TR	moderately soluble	-3.420	-3.076	0.006	-2.694	0.404	-2.528	0.004	-2.734	0.145	-2.742	-2.758	0.230	-2.724	-2.714	0.028	-3.260	-3.221	-3.8	-3.83	-3.29	-3.35
1190	NC1=NNC(=C2=CN=C(N)2C3OC(C)OC(C)OC3O	TR	TR	Insoluble	-4.730	-1.885	0.007	-2.897	0.484	-1.114	0.007	-1.541	0.656	-1.523	-1.859	0.761	-2.321	-2.219	0.938	-1.970	-2.555	0.41	-1.39	-1.05	-1.48
1191	CC(C)O=O)C1=CC=C(C=C1)F(Z=CC=CC=C2	TR	TR	Insoluble	-5.250	-4.000	0.004	4.481	0.544	-3.804	0.003	-4.777	0.111	-3.894	-4.266	0.444	-4.727	-4.630	0.208	-3.940	-3.882	-5.01	-4.65	-4.27	-4.41
1192	C1(C)O2ZC3C4CCS=CC(=O)C=CCS(C)C4(F)C)O)CC3(C)C2)O)1C(=O)CO	TR	TR	Insoluble	-4.310	-5.040	0.007	-3.660	0.279	-3.375	0.018	-4.310	0.000	-4.349	-4.096	0.741	-4.308	-3.985	0.459	-3.720	-4.702	-3.46	-4.13	-4	-4.05
1193	C1=C(C)=C(=C1)C2=CC=C(C)C(=C2C)C	TR	TR	Insoluble	-6.510	-5.505	0.006	6.402	0.187	-6.180	0.005	-7.192	0.042	-5.948	-6.319	0.695	-7.047	-6.797	0.559	-6.910	-6.580	-7.37	-6.18	-6.17	-6.71
1194	C1=C(C)=C(=C1)C2=CC=C(C)C(=C2C)C	TR	TR	Insoluble	-7.260	-5.565	0.006	6.402	0.298	-6.051	0.005	-7.192	0.087	-5.884	-6.302	0.685	-7.013	-6.797	0.559	-6.940	-6.543	-7.37	-6.01	-6.06	-6.65
1195	C1=C(C)=C(C)C=C1)C2=CC(=C2C)C	TR	TR	Insoluble	-7.040	-5.557	0.006	6.402	0.499	-6.180	0.005	-7.192	0.042	-5.979	-6.332	0.675	-7.130	-6.797	0.559	-6.890	-6.649	-7.37	-5.87	-5.98	-6.65
1196	C1=C(C)=C(C)C(=C1)C2=CC=C(C)C	V	V	Insoluble	-7.160	-5.488	0.006	6.402	0.455	-6.088	0.005	-7.192	0.050	-5.891	-6.292	0.709	-7.113	-6.797	0.559	-6.920	-6.789	-7.37	-6.2	-6.18	-6.76
1197	C1=C(C)=C(C)C(=C1)C2=CC=C(C)C	TR	TR	Insoluble	-7.200	-6.134	0.007	6.402	0.762	-6.145	0.007	-7.200	0.000	-6.959	-6.470	0.502	-7.199	-6.801	0.565	-7.070	-6.813	-7.45	-5.8	-5.91	-6.71
1198	CN1CCN=C(C2=CC=CC=C2)C3=C1C=CC(=C3)C	TR	TR	Insoluble	-4.430	-4.626	0.004	4.361	0.718	-4.271	0.003	-3.802	0.281	-4.425	-4.266	0.344	-3.959	-4.082	0.397	-4.540	-4.955	-6.12	-4.46	-4.7	-4.79
1199	NC(=O)N1C2=C(C(=C(C=C2)C=C3=C1C=CC=C3	TS	TR	moderately soluble	-3.290	-3.771	0.006	-3.809	0.489	-4.438	0.005	-3.802	0.363	-4.109	-3.955	0.322	-3.805	-3.805	0.005	-3.770	-3.807	-3.93	-3.07	-3.28	-3.61
1200	CCN(CCC)C1=C(C=C(C=C1N=)[(O-])=O)C(F)(F)F[N+][O-])=O	TR	TR	Insoluble	-6.690	-3.770	0.009	8.083	0.265	-4.844	0.018	6.473	0.166	-4.262	-5.273	1.213	-6.292	-6.238	0.332	-5.500	-5.918	-3.74	-7.08	-4.95	-5.58
1201	CCOC(=O)N1CCNC(CCC2=CC=CC=CC2)C3=CC=CC=C3	TR	TR	moderately soluble	-3.820	-5.167	0.005	-3.181	0.718	-4.097	0.005	-5.034	0.427	-4.629	-3.969	0.924	-4.341	-4.106	1.308	-3.750		-6.26	-4.25	-4.37	-4.59
1202	C1=C2=C(C=C1)C3=CAC(=CC=C3)C=CC=C24	TR	TR	Insoluble	-5.930	-4.108	0.012	5.929	0.002	-4.965	0.008	-6.669	0.094	-5.581	-5.412	1.120	-5.943	-6.299	0.523	-6.780	-6.642	-6.59	-4.91	-5.08	-5.99
1203	CCCNC(=O)N)C(=N=C2=C1C=CC=C2)NC(=O)OC	TR	TR	Insoluble	-4.860	-2.852	0.004	6.003	0.592	-3.399	0.003	-5.143	0.239	-3.179	-4.349	1.473	-5.390	-5.573	0.609	-3.670	-3.203	-3.81	-3.54	-2.76	-3.73
1204	C1=C(C)C(=C1)C2=CC=C1(C)C(=C2)C	TS	TR	Insoluble	-7.910	-6.009	0.008	8.614	0.415	-6.688	0.007	-7.808	0.006	-6.770	-7.192	1.097	-7.426	-8.011	0.853	-7.570	-7.286	-7.97	-6.66	-6.64	-7.26
1205	COC(=1=2C2=C1=CN=C1S2)S1N(N=O)=O	TR	TR	Insoluble	-4.030	-3.418	0.008	6.402	0.735	-2.667	0.007	-3.133	0.077	-3.042	-3.905	1.693	-3.443	-4.767	2.311	-3.820	-2.612	-3.07	-4.13	-2.93	-3.33
1206	CCNC(CCC1)=C1=C(=C(C=C1N=)(O-])=O)C(F)(F)FN)N+](O-])=O	TR	TR	Insoluble	-7.070	-3.604	0.010	8.083	0.330	-4.906	0.018	6.473	0.234	-4.024	-5.146	1.327	-6.278	-6.238	0.332	-6.090	-5.474	-3.38	-6.34	-4.25	-5.30
1207	C1=C(C=O)N=2=C(C=C(C)S)C(=C2)C=O	TR	TR	moderately soluble	-2.410	-3.158	0.005	1.269	0.646	-2.578	0.003	-2.734	0.215	-2.804	-2.685	0.370	-2.618	-2.502	0.129	-1.960	-2.509	-3.53	-2.05	-2.03	-2.49
1208	C1=CC(=NC=N1)N(S)[=O)(=O)C2=CC=C(N)C=C2	TR	TR	moderately soluble	-2.300	-3.486	0.007	5.104	0.672	-2.781	0.003	-2.435	0.113	-3.009	-3.451	1.185	-2.819	-3.769	1.888	-2.670	-2.523	-4.56	-1.44	-1.63	-2.61
1209	C1=C(C)(C)C=C(C=C1)C2=CC=C(C)C)(=C2C)C)(C)	TR	TR	Insoluble	-8.780	-6.478	0.011	8.615	0.330	-7.465	0.011	-8.461	0.207	-7.035	-7.754	0.992	-8.520	-8.538	0.109	-8.170	-7.802	-8.56	-7.14	-7.11	-7.88
1210	C1=C(C)=C(C)=C1)C(C)=C2(C)C=C(C)C=C2(C)C	TR	TR	Insoluble	-8.710	-6.505	0.010	8.615	0.396	-7.586	0.012	-8.461	0.307	-7.050	-7.792	0.970	-8.528	-8.538	0.109	-8.220	-7.869	-8.56	-7.39	-7.26	-7.97
1211	C1=O(O)C1=C(O)N(C)C(=O)C2=CC=C(C)C=C2)C3=CC=CC=C3	V	V	moderately soluble	-3.470	-3.575	0.005	5.230	0.550	-3.912	0.008	-2.760	0.451	-3.710	-3.869	1.028	-3.873	-3.995	1.746	-3.570	-4.299	-5.36	-3.46	-3.3	-3.98
1212	CO[P](=S)OC(SCN1N=NC2=CC=CC=C2)C1=O	TR	TR	Insoluble	-4.040	-4.002	0.007	4.041	0.002	-3.860	0.007	-3.633	0.276	-4.006	-3.885	0.185	-4.041	-3.838	0.290	-5.220	-3.334	-3.01	-5.21	-3.6	-4.07
1213	CDC(=O)NC1=NC2=CC(=CC2)NH)1)C(=O)C3=CC=CC=C3	TR	TR	moderately soluble	-3.880	-3.411	0.007	-2.018	1.031	-4.167	0.005	-4.780	0.647	-3.846	-3.594	1.191	-3.715	-3.399	1.953	-4.100	-3.515	-5.5	-4.44	-3.74	-4.17
1214	C1=C(C)C(=C1)C2=CC(=C(C)C)C(=C2)C3(C)C1	TR	TR	Insoluble	-7.920	-4.971	0.013	9.572	0.456	-7.953	0.014	-8.461	0.267	-7.509	-8.240	1.084	-8.872	-9.018	0.789	-8.680	-8.343	-8.15	-7.25	-7.37	-8.28
1215	CCC(=O)ON3C1(=O)NC(C1=O)C2=CC=CC=C2)C3=CC=CC=C3	TR	TR	Insoluble	-4.910	-3.718	0.005	5.230	0.262	-4.115	0.008	-4.139	0.395	-3.894	-4.300	0.649	-4.795	-4.685	0.771	-3.870	-4.629	-5.75	-4.05	-3.66	-4.46
1216	C1=C=C(C)C(=C1)C2=CC(=C(C)C)C(=C2)C(=O)C	TR	TR	Insoluble	-8.460	-6.980	0.013	9.576	0.338	-8.030	0.014	-8.461	0.246	-7.561	-8.262	1.075	-8.931	-9.018	0.789	-8.680	-8.308	-9.15	-7.78	-7.69	-8.42
1217	C1=2ZC=C3=C(C=C=S)(Z=C)C)4=C1C=C=C=4	V	V	Insoluble	-6.790	-4.631	0.011	9.572	0.910	-8.395	0.012	-7.364	0.319	-4.575	-5.536	1.356	-6.946	-6.561	1.136	-7.630	-7.547	-8.2	-5.57	-5.75	-6.94
1218	N(S)[=O)C1=C2C=C(C=C1)N=C2)F)C=C=C=C	TR	TR	moderately soluble	-2.920	-3.358	0.001	-2.925	0.001	-2.376	0.013	-2.464	0.327	-2.914	-2.780	0.454	-2.923	-2.694	0.326	-1.980	-2.839	-2.61	-2.15	-1.72	-2.37
1219	CN(C)CC(=C/1C2=ZISC3=C1C=C(C)C=C3)C=CC=C2	TR	TR	Insoluble	-5.870	-6.060	0.006	-5.757	1.088	-5.233	0.004	-5.031	0.535	-5.576	-5.520	0.473	-5.270	-5.334	0.514	-6.190	-5.391	-6.84	-5.53	-5.29	-5.75
1220	C1(=C(C)=C(C)C)=C1(C)C)C2=CC(=C(C)C)C(=C2C)C)C(C)	TR	TR	Insoluble	-9.160	-7.514	0.017	9.576	0.370	-8.746	0.019	-9.551	0.097	-8.257	-8.847	0.969	-9.556	-9.564	0.018	-9.130	-8.887	-9.74	-8.56	-8.35	-9.04
1221	COC1=CC2=C(SC3=C(C=C(C)N2)C(C)N)C(C)C3)C=C1	TS	TR	moderately soluble	-4.370	-5.190	0.003	-3.341	0.921	-4.534	0.002	-5.034	0.383	-4.790	-4.524	1.036	-4.535	-4.186	1.195	-6.020	-4.155	-5.81	-5.27	-4.88	-5.00
1222	C1=C(C)(C)C(C)(C)C1=C(C)(C)C2=C(C)C(=C2)C(C)C1	TR	TR	Insoluble	-9.380	-7.506	0.017	9.576	0.382	-8.883	0.020	-9.551	0.158	-8.258	-8.879	0.970	-9.558	-9.564	0.018	-9.240	-9.041	-9.74	-7.57	-7.75	-8.82
1223	C1=C(NC(=O)C2=C(C)C=C2O)[S]N(=O)=O)C(=C=C1)C	TR	TR	moderately soluble	-3.900	-4.047	0.009	-4.889	0.593	-3.170	0.006	-3.900	0.000	-3.820	-4.001	0.705	-3.902	-4.394	0.699	-3.420	-3.295	-5.25	-4.3	-3.54	-3.95
1224	C1=NN=C2N=C(C=C(C=C1)C=C3C=C(C)C=C3)C=C2	V	V	moderately soluble	-3.600	-4.694	0.005	4.509	0.838	-4.969	0.005	-4.780	0.836	-4.813	-4.721	0.201	-4.640	-4.640	0.198	-6.060	-4.098	-6.64	-2.66	-3.6	-4.62
1225	C1=C2=C3(C1=C(C=C=C3C=C4C=C(C=C=C4)C)C=C2	TR	TR	Insoluble	-8.700	-4.791	0.013	9.379	0.573	-9.357	0.017	-9.246	0.198	-5.199	-6.496	1.888	-8.293	-8.318	0.073	-8.480	-8.098	-8.26	-6.04	-6.08	-7.49
1226	C1=C2=C3(C=C=C4(C=C5=C(C=C)C)=C2C=C1)C5=C34	TR	TR	Insoluble	-7.660	-4.789	0.013	8.370	0.566	-5.146	0.018	-8.266	0.084	-5.258	-6.643	1.941	-8.280	-8.318	0.073	-8.000	-8.102	-8.26	-6.25	-6.21	-7.52
1227	C1(=C)(C)C(=C)C(=C1)C2=C(C)C(=C)C(C)C2=C(C)C	TR	TR	Insoluble	-9.620	-7.960	0.023	9.576	0.697	-9.293	0.024	-9.551	0.372	-8.654	-9.095	0.768	-9.560	-9.564	0.018	-9.460	-9.227	-10.32	-9.04	-8.83	-9.41
1228	O=P(SOC1=C(C=C=C1)C2=C(C)C=C(C)C=C2)C3=CC=CC=C3	TR	TR	Insoluble	-5.660	-4.214	0.009	6.235	0.720	-6.231	0.011	-6.224	0.071	-5.435	-5.603	0.758	-6.145	-5.732	0.710	-7.750	-5.691	-6.65	-5.46	-5.94	-5.61
1229	COC1=CC2=C(C=C1OC)C3C(C)O2)O4=C(C=CC5=C4CC(O)S)C(=C)C3=O	TR	TR	moderately soluble	-4.470	-3.860	0.007	4.465	0.002	-4.845	0.010	-3.690	0.370	-4.415	-4.216	0.537	-4.466	-4.080	0.551	-5.970	-5.054	-6	-5.13	-4.98	-5.27
1230	N[S](=O)(=O)C1=C(C)C=C2NC(N[S](=O)(=O)C2=C1)C(C)C	TR	TR	moderately soluble	-3.180	-4.820	0.016	-2.399	0.730	-3.057	0.015	-3.078	0.208	-3.870	-3.340	1.039	-2.928	-2.739	0.480	-2.260	-2.426	-3.87	-2.97	-2.64	-2.85
1231	CN.N(C)C(=O)C2=C(C=C=Z)S(I)=O)=O)C=O)NC3=CC=C=N3	TR	TR	Insoluble	-4.500	-3.496	0.008	4.509	0.001	-3.410	0.007	-4.091	0.222	-4.329	-3.874	0.516	-4.499	-4.296	0.290	-1.830	-3.456	-4.11	-4.99	-4.01	-3.82
1232	FC1=CN(C(N)=O)C(=O)C2=C(F)C=C=C(F)C=C=C2)F)C=C=C1OC3=CC=C(C=C3C)C(F)F)F	V	V	moderately soluble	-6.090	-6.440	0.029	-2.230	1.656	-6.796	0.028	-6.253	1.090	-6.619	-6.206	0.680	-5.894	-5.781	0.779	-6.210	-5.968	-9.35	-7.46	-6.69	-6.98
1233	C1=C2=C3(C4=C1C=C5=C4C6=(C(=C5)C=C7)C=C5)C7=C6C3=(C(=C2)C=C7	TR	TR	Insoluble	-8.830	-5.361	0.019	9.370	1.280	-4.730	0.040	-8.131	0.664	-5.864	-7.148	1.394	-8.213	-8.251	1.169	-8.910	-8.947	-10.92	-7.48	-7.26	-8.30
1234	COC1=CC(=CC(=C1O)OC)C2C3C(OC3=O)C(OC4OC5COC(C)OC5C(O)C4O)C6=C2C=C7OCOC7	TR	TR	moderately soluble	-3.470	-3.072	0.020	-3.611	0.940	-3.181	0.013	-3.976	1.255	-3.734	-3.700	0.474	-3.767	-3.793	0.258	-4.640	-3.750	-3.18	-3.55	-3.75	-3.77
1235	NRCCBR	TS	TR	highly soluble	0.250	-0.719	0.022	0.161	0.861	-2.071	0.005	-0.042	0.096	-1.736	-0.668	1.088	-0.021	0.060	0.143	0.110	-0.293	-0.3	0.07	0.11	-0.05
1236	O=C1C=CC(=C)C=C1	TS	TR	Insoluble	-0.890	-1.497	0.008	-1.263	0.469	-2.112	0.006	0.299	0.225	-1.815	-1.143	1.026	-0.208	-0.482	1.104	-0.510	0.036	-0.32	-0.48	-0.64	-0.35
1237	CCC(Br)(CC)C(=O)NC(N)=O	TR	TR	moderately soluble	-2.680	-2.493	0.007	-2.337	0.549	-1.929	0.003	-1.433	0.123	-2.091	-2.048	0.474	-1.598	-1.885	0.639	-1.780	-1.695	-1.96	-2.67	-1.95	-1.94
1238	OC1=CC=C(C)C1	V	TR	soluble	-0.710	-1.871	0.006	-2.061	0.382	-2.749	0.002	-1.515	0.036	-2.526	-2.049	0.519	-1.536	-1.788	0.387	-1.360	-1.355	-2.4	-2.57	-2.77	-2.00
1239	C1=C(C)(C)=CC(=C1)O	TR	TR	moderately soluble	-2.670	-2.360	0.004	-3.851	0.749	-2.711	0.002	-2.562	0.138	-2.614	-2.871	0.669	-2.763	-3.207	0.911	-2.360	-2.041	-3.2	-3.37	-3.32	-2.84
1240	CN(C=O)OC1=CC(=C)C=C=1)C	TR	TR	moderately soluble	-2.490	-2.276	0.003	-2.201	0.478	-2.238	0.002	-2.306	0.073	-2.253	-2.255	0.045	-2.292	-2.253	0.074	-2.420	-2.212	-3.3	-2.52	-2.41	-2.53
1241	CCC(C)C1=C(OC(=O)N)NC)C=CC=C1	TR	TR	moderately soluble	-2.530	-2.654	0.002	-3.664	0.428	-2.769	0.002	-3.114	0.201	-2.732	-3.300	0.705	-3.970	-3.889	0.317	-3.040	-3.488	-3.76	-3.24	-2.84	-3.39
1242	CC(=O)NC=C(F)C(=O)OC1=O	TR	TR	moderately soluble	-2.280	-1.511	0.004	-2.279	0.001	-0.752	0.005	-1.974	0.432	-2.081	-1.629	0.665	-2.279	-2.127	0.216	-1.870	-2.317	-1.31	-1.11	-1.08	-1.66
1243	CCNC1=NC(=NC(=N1)NCC)SC	TR	TR	moderately soluble	-2.730	-3.064	0.002	-4.122	0.708	-3.048	0.003	-2.687	0.088	-3.054	-3.230	0.619	-2.846	-3.405	1.014	-2.700	-3.243	-3.47	-4.04	-2.75	-3.17
1244	CCCC(C)ISI(=O)I=O)CC(ISI)=O)I=O)CC	TR	TR	Insoluble	-1.910	-2.534	0.017	-1.903	0.018	-0.815	0.009	-0.542	0.347	-1.521	-1.449	0.932	-1.835	-1.223	0.962	-2.360	-1.032	-2.55	-2.32	-1.61	-1.95
1245	NC1=N=NI(=O)IC(=N)C(=O)C(=O)C(=O)C2C3N	TR	TR	Insoluble	-1.940	-2.689	0.002	-1.910	0.340	-1.847	0.003	-1.904	0.346	-2.313	-2.087	0.402	-1.907	-1.907	0.005	-2.230	-1.417	-0.2	-2.8	-2.15	-1.96
1246	COC1=NC(=NC(=N1)NC(C)CNC)C(C	TR	TR	moderately soluble	-2.560	-2.331	0.006	-3.529	0.409	-2.554	0.003	-2.969	0.103	-2.495	-2.846	0.526	-3.081	-3.249	0.396	-3.820	-2.063	-3.17	-4.17	-3.07	-3.23
1247	COCCN(C(=O)CC)C1=C(C=C(C=C1C	TR	TR	moderately soluble	-2.090	-3.354	0.002	-2.595	0.242	-2.739	0.002	-2.216	0.156	-3.025	-2.726	0.473	-2.364	-2.405	0.268	-2.740	-3.281	-4.42	-2.42	-2.66	-2.66
1248	FC(F)(F)C1=C(=C(C)=C(N)NC)C(C)C(C)=O	TR	TR	Insoluble	-4.050	-5.659	0.010	-2.269	0.304	-4.284	0.004	-4.155	0.336	-4.700	-4.115	1.398	-3.163	-3.209	1.330	-4.370	-5.084	-4.78	-3.46	-3.93	-4.13
1249	CN.N(C)C(=O)C=C(O)C=C(=C(C)C=C(C)C=C1C=CC4O	TR	TR	moderately soluble	-3.150	-4.084	0.007	-3.152	0.201	-3.210	0.009	-2.363	0.088	-3.272	-3.202	0.704	-3.141	-2.757	0.558	-2.410	-3.268	-2.07	-4.5	-2.3	-2.36
1250	COCC(=O)N(C)C(C)C(=O)C(C)C1=C(C)C=C=C1C	TR	TR	Insoluble	-1.600	-2.458	0.006	-2.349	0.408	-2.060	0.004	-2.775	0.135	-2.222	-2.410	0.295	-2.669	-2.562	0.301	-2.370	-2.787	-3.5	-2.44	-2.37	-2.69
1251	CCCCCCC(C)OC(=O)COC1=NC(=C)C(O)C=C1C)N)F	V	TR	Insoluble	-6.430	-4.626	0.004	-4.348	0.894	-4.556	0.004	-4.814	0.243	-4.593	-4.586	0.192	-4.715	-4.581	0.330	-5.230	-4.962	-5.81	-5.82	-4.5	-5.17
1252	CC(P)(=S)(OC)OC1=C(C)C=C1)B)(O)=O)=O	TR	TR	Insoluble	-4.691	-2.950	0.009	-4.157	0.312	-3.681	0.006	-4.497	0.113	-3.870	-4.050	0.765	-4.340	-4.282	0.176	-3.780	-4.062	-2.6	-5.69	-3.87	-4.06
1253	COC(=O)NC1=CC(=CC=C1)OC(=O)NC2=CC=CC=C2	TS	TR	Insoluble	-4.520	-3.227	0.005	6.001	0.806	-4.575	0.006	-4.840	0.285	-3.889	-4.664	1.140	-5.150	-5.426	0.816	-4.000	-4.736	-5.18	-4.68	-3.71	-4.58
1254	[O-][N+](=N1=NC(=NC2=C1C=C(C)C=C2)N)3C=CN=C3	V	V	moderately soluble	-3.630	-3.174	0.006	-3.809	0.463	-3.527	0.006	-3.133	0.536	-3.352	-3.411	0.319	-3.496	-3.471	0.478	-3.100	-2.888	-2.71	-3.12	-3.25	-3.09
1255	C1=C(C)N=C(N)S)=O)(=O)C2=C(C)C=C(C)C	TR	TR	moderately soluble	-2.220	-3.161	0.007	-3.184	0.579	-2.807	0.004	-2.435	0.082	-2.942	-3.339	1.189	-2.766	-3.769	1.888	-2.710	-2.455	-4.15	-3.15	-2.58	-2.97
1256	CCN(P)=O)(OC)OC1=C(C=C(C=C1)S)C(=O)C	TR	TR	Insoluble	-3.580	-3.727	0.010	-5.578	0.005	-5.391	0.006	-4.017	0.157	-3.547	-3.679	0.264	-3.591	-3.798	0.310	-3.160	-3.175	-3.71	-4.56	-3.24	-3.66
1257	CC1(OC1=C(C)C=C(C)C=C1)N2N=C1OC2=O)C(C)C	TR	TR	Insoluble	-5.540	-4.350	0.004	4.888	0.801	-3.914	0.005	-5.942	0.444	-4.162	-4.774	0.875	-5.566	-5.415	0.746	-5.380	-5.832	-5.43	-5.73	-5.11	-5.51
1258	C(C1=C)(C)C=C(OC2=C(C=C)C)C=C2)C(C)C=C1)C	V	V	Insoluble	-8.310	-6.349	0.010	8.615	0.820	-7.642	0.011	-8.461	0.197	-7.007	-7.767	1.037	-8.490	-8.538	0.109	-7.960	-8.066	-8.29	-7.02	-6.93	-7.79
1259	C(C)C(C)=C(OC2=C(C)C)C(C)C(C)C=C2)C(C)C1	TR	TR	Insoluble	-10.100	-7.277	0.017	9.576	0.713	-9.881	0.019	-9.551	0.252	-8.151	-8.847	1.082	-9.558	-9.564	0.018	-9.870	-9.375	-9.46	-7.85	-7.81	-8.79
1260	COC(=O)C(C)OC1=CC=C(OC2=NC3=C(C=C(C)C=C3)C=C2)C=C1	TR	TR	Insoluble	-5.970	-4.123	0.006	5.230	0.486	-5.168	0.005	-5.423	0.169	-4.726	-4.986	0.586	-5.373	-5.326	0.136	-5.730	-4.945	-6.47	-5.47	-4.84	-5.53
1261	C1C(OC(C)N(C2C=NC=N2)O1)C3=C(C)C=C(C)C=C(C)C=C3	TR	TR	Insoluble	-5.810	-4.910	0.006	-5.239	0.824	-5.025	0.006	-5.423	0.911	-5.500	-5.409	0.475	-5.322	-5.326	-0.136	-5.570	-5.196	-6.82	-5.24	-5.2	-5.56
1262	C1CCCNC1	V	V	moderately soluble	-0.490	-1.194	0.009	-1.569	0.906	-1.520	0.003	-0.708	0.306	-1.442	-1.248	0.397	-0.925	-1.139	0.609	0.010	-0.495	-1.52	-1.05	-1.21	-0.87
1263	CCCC(=O)CCC	TR	TR	moderately soluble	-1.480	-1.496	0.005	-1.821	0.605	-1.931	0.002	-1.475	0.092	-1.795	-1.681	0.230	-1.521	-1.648	0.244	-1.490	-1.796	-2.17	-2.38	-1.78	-1.86
1264	!)C=C)	TR	TR	moderately soluble	-3.220	-2.600	0.075	-2.578	1.610	-3.232	0.015	-2.337	0.167	-3.067	-2.687	0.382	-2.360	-2.458	0.171	-1.850	-2.225	-1.87	-1.88	-2.99	-2.20
1265	CCCC(N)C(O)=O	TS	TR	Insoluble	-0.110	-0.802	0.003	-0.521	0.509	-0.972	0.002	-0.104	0.181	-0.900	-0.600	0.379	-0.213	-0.312	0.295	-0.160	-0.273	-0.09	1.31	0.96	0.26
1266	CCC(R)(C)C(N)=O	TS	TR	Insoluble	-1.440	-2.058	0.011	-0.871	0.861	-1.820	0.003	-1.166	0.301	-1.865	-1.604	0.515	-1.440	-1.268	0.562	-1.290	-1.230	-1.96	-2.1	-1.84	-1.65
1267	C

1377	CCC(C)C(C)C	V	V	moderately soluble	-3.550	-1.502	0.010	-0.091	1.089	-1.381	0.005	-4.240	0.160	-1.471	-1.804	1.745	-3.708	-2.166	2.934	-3.240	-2.985	-1.78	-3.52	-2.71	-2.99
1378	C1CCCCC1	TR	TR	moderately soluble	-3.100	-1.263	0.012	-1.569	0.459	-2.235	0.004	-2.304	0.162	-2.019	-1.843	0.509	-2.113	-1.937	0.520	-2.880	-3.085	-1.44	-3.12	-2.53	-2.53
1379	C1CC(C)(C)C1C	TR	TR	moderately soluble	-3.310	-2.455	0.004	-2.012	0.471	-2.140	0.002	-2.731	0.190	-2.265	-2.334	0.524	-2.372	-2.372	0.508	-4.310	-3.860	-1.98	-3.71	-3.15	-3.26
1380	C1C(C)(C)CCC1C	V	V	moderately soluble	-3.750	-2.764	0.004	-2.764	0.843	-1.330	0.843	-2.731	0.295	-2.598	-2.330	0.678	-2.367	-2.030	0.991	-4.770	-4.939	-2.64	-4.57	-3.63	-3.82
1381	C1CC(C)CCC1(C)C	V	V	moderately soluble	-3.770	-2.877	0.003	-3.080	0.509	-2.514	0.002	-4.739	0.250	-2.679	-3.302	0.986	-4.193	-3.909	1.173	-4.640	-5.030	-2.27	-5.32	-4.15	-4.27
1382	C1CCCCC1(C)CC2CCCC2	TR	TR	insoluble	-4.170	-4.271	0.005	-4.527	0.251	-3.553	0.006	-4.461	0.088	-3.957	-4.203	0.447	-4.478	-4.494	0.046	-6.880	-6.365	-3.16	-6.04	-4.76	-5.28
1383	CC(C)C1(CCCC2)C(CCC3)(C)C1	TR	TR	insoluble	-4.910	-4.101	0.007	-4.495	0.172	-3.927	0.005	-5.209	0.360	-4.017	-4.433	0.569	-4.726	-4.852	0.505	-5.440	-5.796	-2.56	-5.21	-4.38	-4.69
1384	C1CCC2C(CCCCC2)C1C	TR	TR	insoluble	-4.740	-3.511	0.004	-5.184	0.377	-3.081	0.003	-4.461	0.124	-3.298	-4.059	0.946	-4.640	-4.822	0.511	-5.150	-5.526	-2.5	-4.87	-4.1	-4.46
1385	CC1(C)C2CCCCCC2C1	TR	TR	insoluble	-4.720	-3.630	0.004	-5.184	0.323	-3.079	0.003	-4.461	0.126	-3.362	-4.088	0.925	-4.663	-4.822	0.511	-5.000	-5.584	-2.5	-4.87	-4.1	-4.45
1386	C1CCC2CCCCC3C2C1CC3	TR	TR	insoluble	-4.630	-3.757	0.008	-4.495	0.424	-3.516	0.005	-5.209	0.429	-3.620	-4.244	0.766	-4.850	-4.852	0.505	-4.500	-5.474	-2.27	-4.65	-3.95	-4.28
1387	C1C(C)CC1(CCC2)C2(CCC3)C3(C)C1	TR	TR	insoluble	-4.890	-4.640	0.005	-4.452	0.143	-3.894	0.006	-5.309	0.310	-4.233	-4.573	1.084	-4.088	-5.876	0.814	-6.100	-6.261	-3	-6.03	-5.05	-5.42
1388	C1CCI	TR	TR	soluble	-0.630	-0.485	0.022	-0.741	1.021	-2.051	0.004	-1.165	0.128	-1.782	-1.110	0.687	-1.117	-0.953	0.299	-2.090	-1.063	-1.41	-1.11	-1.31	-1.35
1389	C1CIBrIcI	V	V	soluble	-1.540	-1.637	0.038	-1.934	2.193	-2.899	0.006	-1.938	0.130	-2.695	-2.102	0.549	-1.938	-1.936	0.003	-1.800	-1.736	-2	-2.07	-2.39	-1.99
1390	C1CIBrIBr	TR	TR	soluble	-1.900	-1.952	0.069	-2.578	1.702	-3.085	0.008	-1.938	0.171	-2.924	-2.389	0.552	-1.997	-2.258	0.453	-2.040	-1.898	-2.25	-2.25	-2.77	-2.20
1391	BrC1CBr	TR	TR	soluble	-1.580	-1.699	0.035	-1.680	0.203	-2.466	0.007	-2.337	0.154	-2.881	-2.031	0.395	-1.690	-2.008	0.041	-2.180	-1.732	-2.4	-1.59	-2.10	-1.96
1392	CCCCC1	TS	TR	moderately soluble	-2.030	-0.885	0.008	-3.491	0.780	-1.956	0.003	-2.052	0.071	-1.667	-2.096	1.070	-2.172	-2.771	1.018	-2.170	-2.130	-2	-2.29	-1.95	-2.12
1393	C1C=C(C)C1	TR	TR	soluble	-1.960	-1.541	0.012	-2.140	1.285	-3.200	0.004	-1.938	0.146	-2.770	-2.205	0.709	-1.959	-2.039	0.143	-1.870	-2.146	-1.78	-2.06	-2.18	-2.00
1394	C1CC(C)C2(C)C1(C)CCC2	V	V	insoluble	-4.890	-4.569	0.004	-5.245	0.438	-3.187	0.003	-5.255	0.191	-4.334	-4.796	0.541	-5.251	-5.251	0.003	-5.920	-6.327	-3.14	-5.02	-4.34	-4.97
1395	C1CCCCC1C2(C)(C)CCC2C1	TS	TR	insoluble	-5.210	-5.060	0.003	-5.647	0.202	-4.870	0.003	-5.698	0.101	-4.981	-5.319	0.416	-5.681	-5.672	0.036	-6.090	-6.299	-3.53	-5.13	-4.62	-5.22
1396	C1CCCCC1C2(C)(C)CC(C)C(C)C2	TR	TR	insoluble	-6.270	-5.713	0.004	-6.323	0.196	-5.453	0.004	-6.170	0.036	-5.610	-5.915	0.402	-6.193	-6.246	0.109	-6.430	-6.475	-3.91	-5.45	-5.02	-5.58
1397	C1C(C)(C)C(C)C(C)C1C2(C)(C)CC(C)C(C)C2	TR	TR	insoluble	-6.550	-7.139	0.011	-7.069	0.256	-7.661	0.011	-8.461	0.207	-7.524	-7.787	0.459	-8.117	-8.077	0.543	-7.250	-7.049	-5.01	-5.42	-5.65	-6.42
1398	OC(C)C	V	V	highly soluble	0.040	0.027	0.041	0.041	0.785	0.695	0.003	-0.141	0.106	-0.390	-0.192	0.345	-0.119	-0.050	0.128	0.060	-0.172	-0.4	-0.76	-0.71	-0.35
1399	OCC(CCC)C	TS	TR	soluble	-1.110	-0.757	0.006	-0.637	0.238	-1.136	0.003	-0.618	0.042	-0.979	-0.787	0.240	-0.621	-0.628	0.013	-0.330	-0.965	-1.27	-1.81	-1.39	-1.06
1400	CCC(C)C(C)C	V	V	soluble	-1.040	-0.699	0.008	-1.053	0.799	-0.998	0.003	-0.618	0.045	-0.895	-0.842	0.215	-0.641	-0.836	0.307	-0.200	-0.756	-1.25	-1.66	-1.36	-0.98
1401	OC(C)CCC	TR	TR	soluble	-0.170	-0.421	0.017	-0.637	0.222	-1.160	0.003	-0.618	0.050	-1.021	-0.709	0.316	-0.622	-0.628	0.013	-0.150	/	-1.27	-1.63	-1.28	-0.99
1402	CC(OI)C1(C)CCC	TR	TR	soluble	-0.890	-1.554	0.006	-0.871	0.082	-1.071	0.004	-1.475	0.090	-1.260	-1.243	0.326	-1.158	-1.173	0.427	-1.080	-0.653	-1.3	-1.9	-1.59	-1.28
1403	OC(C)C(C)CC	V	V	soluble	-0.850	-1.064	0.017	-1.053	0.498	-1.332	0.003	-1.475	0.072	-1.296	-1.231	0.208	-1.422	-1.264	0.299	-0.810	-1.392	-1.68	-2.17	-1.69	-1.53
1404	C=C=O	V	V	highly soluble	0.580	0.121	0.011	-0.363	1.412	-1.185	0.003	0.971	0.133	-0.903	-0.114	0.962	0.856	0.304	0.943	0.200	-0.032	-0.44	-0.52	-0.51	-0.07
1405	CCCCC=O	TS	TR	soluble	-0.850	-0.718	0.006	-2.166	1.087	-1.631	0.003	-0.618	0.117	-1.362	-1.283	0.744	-0.769	-1.392	1.094	-0.880	-1.136	-1.32	-1.04	-0.86	-1.00
1406	O=CCCCCC	TS	TR	soluble	-1.300	-1.221	0.005	-0.759	0.605	-1.852	0.003	-1.475	0.108	-1.642	-1.327	0.459	-1.366	-1.117	0.507	-1.480	-1.758	-1.76	-1.76	-1.32	-1.57
1407	O=C(C)C	TS	TR	highly soluble	0.520	-0.549	0.007	0.041	0.951	-1.253	0.002	-0.141	0.041	-0.137	-0.475	0.574	-0.133	-0.050	0.128	0.300	-0.373	-0.87	-0.21	-0.4	-0.28
1408	CC(C)C(C)C	TR	TR	soluble	-0.470	-0.851	0.006	0.041	0.826	-1.473	0.002	-0.618	0.121	-1.280	-0.725	0.625	-0.534	-0.628	0.466	-0.280	-0.906	-1.31	-0.85	-0.82	-0.78
1409	O=C(CCC)C	V	V	soluble	-0.800	-1.366	0.004	-0.744	0.795	-1.692	0.002	-1.475	0.108	-1.570	-1.319	0.407	-1.388	-1.110	0.517	-1.170	-1.502	-1.74	-1.34	-1.13	-1.38
1410	O=C(O)CCCCCC	TR	TR	moderately soluble	-2.300	-2.066	0.004	-1.896	0.394	-2.289	0.003	-2.818	0.042	-2.221	-2.267	0.401	-2.729	-2.357	0.651	-2.080	-1.541	-2.05	-3.5	-2.26	-2.36
1411	O=C(O)C1CCCCC1(C)C1	V	V	soluble	-0.490	-2.288	0.003	-1.739	0.343	-2.256	0.002	-0.843	0.112	-2.252	-1.782	0.874	-1.064	-1.291	0.633	-1.770	-1.738	-1.07	-2.68	-2.01	-1.72
1412	O=CDCCC	V	V	soluble	-0.490	0.413	0.006	0.112	1.102	-1.365	0.002	-0.042	0.116	-0.876	-0.220	0.786	-0.027	0.035	0.108	-0.670	0.267	-0.66	-0.96	-0.71	-0.46
1413	O=C(O)CCC(C)C	TR	TR	soluble	-0.720	-0.436	0.004	-0.744	0.316	-1.305	0.002	-0.826	0.092	-1.007	-0.828	0.360	-0.808	-0.785	0.058	-0.800	-0.027	-1.08	-1.39	-1.06	-0.86
1414	O=C(OC)C(C)C(=O)OCC	V	V	soluble	-0.820	-0.859	0.004	-0.923	0.459	-1.399	0.002	-0.452	0.105	-1.202	-0.908	0.388	-0.540	-0.688	0.333	-0.470	-0.068	-1.24	-1.65	-1.04	-0.83
1415	OCC(=C=C	V	V	soluble	-0.220	0.249	0.008	0.083	1.041	-1.238	0.002	-0.042	0.115	-0.924	-0.237	0.678	-0.029	0.021	0.088	-0.050	0.455	-0.3	-0.93	-0.75	-0.27
1416	O=C(OCC)C=C	TR	TR	soluble	-0.740	-0.329	0.005	-1.216	0.507	-1.454	0.002	-0.826	0.150	-1.140	-0.956	0.492	-0.915	-1.021	0.276	-0.880	-0.004	-0.73	-1.47	-1.09	-0.85
1417	O=C(OC)C(=C)C	V	V	soluble	-0.800	-0.328	0.005	-0.521	0.879	-1.288	0.002	-0.826	0.161	-1.019	-0.741	0.418	-0.779	-0.673	0.216	-0.750	0.122	-0.71	-1.54	-1.2	-0.81
1418	O=C(OC)C(C)C(C)C1(C)(=O)OCC(C)	TR	TR	moderately soluble	-2.350	-2.486	0.003	-2.672	0.357	-2.727	0.003	-2.216	0.253	-2.605	-2.525	0.231	-2.405	-2.444	0.322	-2.550	-1.908	-2.06	-2.99	-2.28	-2.37
1419	O=C(OCC(CCCC)(C)C1(C)C(CCC2)C(=O)OCCCC)C2	TR	TR	moderately soluble	-5.640	-4.504	0.003	-4.501	0.525	-4.194	0.004	-4.849	0.455	-4.380	-4.512	0.268	-4.687	-4.675	0.246	-5.390	-4.496	-3.88	-5.99	-4.5	-4.82
1420	COCCCOCC	TR	TR	soluble	-0.770	-0.153	0.010	0.527	0.554	-1.296	0.003	0.192	0.138	-1.002	-0.183	0.793	0.258	0.360	0.237	-0.050	-0.520	-1.7	-0.62	-0.66	-0.55
1421	C1CCCCC1COC2CCCC2	TR	TR	moderately soluble	-3.960	-3.649	0.009	-4.121	0.358	-4.615	0.005	-3.188	0.191	-3.812	-3.842	0.569	-3.662	-3.854	0.951	-3.080	-3.282	-2.49	-3.58	-3.17	-3.20
1422	OCCCC1(O)	TR	TR	highly soluble	0.560	0.665	0.017	0.649	0.943	-1.597	0.003	0.560	0.000	0.049	0.069	1.112	0.560	0.063	0.040	0.560	0.040	-0.363	-0.59	-0.22	-0.58
1423	O1C=CC=C1	TR	TR	soluble	-0.820	0.122	0.014	-0.822	0.003	-2.167	0.003	-0.329	0.103	-1.343	-0.799	0.990	-0.807	-0.575	0.349	-0.380	-0.414	-1.46	-1.22	-1.85	-1.02
1424	O1CC(O)(O)C(O)C1(O)CO	TR	TR	highly soluble	0.640	-0.226	0.008	0.328	0.399	1.123	0.009	0.538	0.209	0.425	0.441	0.557	0.466	0.433	0.140	0.360	0.385	2.17	1.08	0.9	0.89
1425	O=C(OC)C(C)C(C)C1(C)C(=O)OCC	TR	TR	insoluble	-4.390	-4.697	0.006	-3.660	0.814	-3.488	0.004	-4.236	0.000	-4.657	-4.022	1.289	-4.279	-3.970	0.438	-4.870	-5.310	-4.87	-4.39	-4.14	-4.44
1426	CC(=O)C(3)CCC4C2CCC1=CC(=O)CCC1)C(C2CCC34)C	V	V	soluble	-4.710	-5.264	0.006	-4.745	0.216	-3.647	0.012	-4.006	0.298	-4.710	-4.415	0.727	-4.435	-4.375	0.523	-4.190	-4.108	-4.02	-3.98	-3.82	-4.09
1427	C1=CC1=O)=C=C2CCCC3C4CC(C)O)C(=O)OC(C)(C)C(C)O)C(C)C)O)C3)F)C12C	TR	TR	moderately soluble	-5.770	-4.837	0.008	-3.316	0.304	-2.566	0.013	-3.591	0.205	-3.971	-3.578	0.945	-3.480	-3.454	0.195	-3.740	-3.825	-2.8	-3.56	-3.36	-3.46
1428	O=C(O)C(CCC(O)C)C1	TR	TR	soluble	-1.410	-1.669	0.002	-1.459	0.154	-2.235	0.002	-1.431	0.065	-1.971	-1.698	0.373	-1.439	-1.445	0.020	-1.040	-0.312	0.14	-1.11	-0.88	-0.77
1429	O=C(OC)CCC1(C)C1	TR	TR	soluble	-1.410	-1.660	0.002	-2.313	0.284	-2.986	0.001	-2.645	0.095	-2.742	-1.577	0.310	-1.543	-2.479	0.285	-1.820	-1.660	-1.07	-2	-1.92	-1.87
1430	C1CCOCCC1	TR	TR	soluble	-1.120	-1.276	0.008	-2.874	0.548	-2.188	0.004	-0.864	0.140	-1.890	-1.800	0.905	-1.271	-1.869	1.421	-1.460	-1.242	-2.45	-1.08	-1.28	-1.46
1431	NC(CCC)(CCC(N)C)(C)C)C2)C2	V	V	moderately soluble	-2.700	-3.943	0.003	-2.932	0.427	-3.220	0.004	-2.836	0.242	-3.649	-3.233	0.501	-2.671	-2.884	0.068	-2.530	-1.432	-1.58	-2.1	-1.87	-2.06
1432	C1CCCN1	TR	TR	highly soluble	0.760	-0.614	0.010	-1.569	0.541	-2.194	0.003	-0.329	0.108	-1.848	-1.176	0.861	-0.535	-0.949	0.207	-0.670	-0.156	-1.21	-0.68	-0.9	-0.47
1433	COC(=O)C1(CC2CCC(N2C)OC)=O)C3CCCCC3	TR	TR	moderately soluble	-2.230	-4.028	0.003	-3.181	0.557	-3.089	0.004	-3.110	0.370	-3.599	-3.352	0.453	-3.138	-3.146	0.050	-2.850	-2.557	-1.81	-3.55	-3.14	-2.84
1434	OC(CCC)(C=C)(CCC(O)C1)C)C(C)C2)C2	TR	TR	insoluble	-4.300	-4.625	0.003	-4.510	0.273	-4.204	0.004	-3.311	0.146	-4.449	-4.663	0.469	-5.035	-4.912	0.570	-3.740	-3.943	-2.81	-4.89	-4.04	-4.08
1435	O=C(N)C(C)C1(C)N(C)C(=O)C(C)C(C)C=C6)C3)C2)CCCC7)C7)C14)C5)O)C)4)C	V	V	moderately soluble	-3.320	-5.678	0.011	-3.044	0.546	-4.813	0.005	-3.021	0.454	-5.375	-4.165	1.344	-3.032	-3.033	0.016	-3.150	-3.907	-2.08	-3.54	-2.74	-2.74
1436	C1CCCCC1C2(C=C)C(=O)N(C(=O)N(C2=O)O	TR	TR	moderately soluble	-2.180	-3.238	0.004	-2.863	0.410	-2.971	0.007	-2.180	0.000	-2.459	-2.813	0.451	-2.182	-2.521	0.483	-2.970	-3.150	-3.04	-3.77	-2.79	-2.98
1437	OC(C)CCCC1(C1)(N)C	TR	TR	soluble	-0.420	-2.579	0.002	-1.888	0.527	-1.706	0.003	-2.118	0.237	-2.179	-2.072	0.377	-2.046	-2.003	0.163	-1.480	-1.305	-1.66	-2.28	-1.95	-1.79
1438	C1=CC1=O)N(=O)N1	TR	TR	soluble	-1.480	-0.644	0.006	-0.759	0.316	-0.903	0.003	-1.211	0.162	-0.824	-0.879	0.245	-1.058	-0.985	0.320	-0.080	-1.336	-1.41	0.18	-0.42	-0.69
1439	OC(C)CN(C)C1(C)	TR	TR	soluble	-0.800	-1.389	0.004	-0.492	0.173	-1.922	0.002	-0.490	0.029	-1.669	-1.073	0.706	-0.490	-0.491	0.001	0.760	0.456	-0.1	-0.46	-0.52	-0.06
1440	O=C(NC)(CCCC)C1)C	TR	TR	soluble	-1.330	-2.366	0.003	-1.739	0.293	-2.388	0.002	-1.694	0.051	-2.364	-2.047	0.382	-1.701	-1.716	0.032	-0.950	-1.122	-1.68	-1.27	-1.26	-1.33
1441	COC1CCC2CCSC3C=CC(O)C4OC1C2C34CCNSC	TR	TR	soluble	-1.520	-4.010	0.007	-1.523	0.001	-3.358	0.009	-2.363	0.094	-2.016	-2.913	1.248	-1.532	-1.943	0.594	-2.150	-2.372	-0.99	-1.7	-2.44	-1.86
1442	CCN(=O)C1=CC=CC=C1	V	V	soluble	-0.800	-0.159	0.006	0.083	1.043	-1.603	0.002	0.187	0.174	-1.163	-0.370	0.835	0.181	0.140	0.080	-0.460	-1.034	-0.84	-1.42	-0.81	-0.73
1443	O=N(=O)C(CCCC)1C1	V	V	soluble	-1.800	-1.649	0.003	-1.103	0.319	-2.859	0.002	-1.431	0.262	-2.343	-1.760	0.766	-1.283	-1.267	0.232	-1.880	-1.947	-1.14	-2.38	-1.71	-1.72
1444	COP(=S)(OC)SCN2C(=O)C1CCCCCC12=O	TR	TR	moderately soluble	-4.100	-4.439	0.006	-4.834	0.625	-4.650	0.005	-4.150	0.196	-4.550	-4.518	0.294	-4.313	-4.492	0.484	-2.610	-3.004	-1.72	-4.51	-2.96	-3.19
1445	O=P(SCCC)(SCCC)SCCC	TR	TR	moderately soluble	-5.140	-7.054	0.016	-5.664	0.907	-5.690	0.011	-5.290	0.434	-6.225	-5.427	1.563	-4.060	-4.478	1.677	-6.400	-6.772	-5.03	-7.62	-4.59	-5.74
1446	O=C(NC)C(C)C(C)C(C)C(C)C(C)C1C(C)C(C)C2)C(C)C3)C1)C4)C3O)C)C4)C	TR	TR	moderately soluble	-3.950	-5.702	0.005	-4.098	0.394	-3.510	0.009	-4.264	0.046	-4.872	-4.667	0.923	-4.519	-4.727	0.372	-4.290	-4.513	-3.13	-4.82	-4.21	-4.25
1447	O=C(NC)(CCC(C1)Br)C1)C	TR	TR	moderately soluble	-3.080	-3.553	0.002	-3.406	0.494	-3.189	0.002	-3.068	0.043	-3.339	-3.304	0.217	-3.095	-3.237	0.239	-1.850	-1.818	-2.33	-1.86	-2.11	-2.18
1448	O=C(NC)(CCC(C1)F)C1)C	TR	TR	soluble	-1.780	-2.643	0.002	-1.085	0.333	-2.537	0.002	-2.645	0.083	-2.578	-2.227	0.763	-2.334	-1.865	1.103	-0.920	-0.911	-1.74	-1.43	-1.46	-1.47
1449	O=C(NC)(CCC(C1)Cl)C1C	TR	TR	moderately soluble	-3.250	-3.916	0.003	-3.406	0.354	-3.185	0.004	-3.068	0.093	-3.591	-3.394	0.375	-3.138	-3.237	0.239	-2.120	-1.956	-2.42	-2.04	-2.5	-2.36
1450	O=C(NC)(CCC(C1)O)C1)C	V	V	soluble	-1.300	-2.180	0.002	-2.080	0.294	-2.392	0.001	-2.385	0.060	-2.290	-2.259	0.155	-2.333	-2.232	0.216	-0.530	-0.944	-1.6	-1.11	-1.16	-1.28
1451	CCCCOC2C(C(=O)NCCN(C)C)C)C1CCCCC1n2	TR	TR	moderately soluble	-3.700	-4.661	0.004	-4.501	0.580	-3.408	0.005	-4.849	0.333	-4.085	-4.355	0.647	-4.722	-4.675	0.246	-3.580	-3.356	-4.54	-3.75	-3.17	-3.85
1452	C1=C(N1C2C3CCCC3(C1)C2)N)C3C	TR	TR	moderately soluble	-3.010	-3.931	0.004	-4.417	0.394	-2.946	0.005	-2.875	0.451	-3.464	-3.542	0.756	-3.698	-3.646	1.090	-2.370	-3.685	-1.61	-2.63	-2.48	-2.75
1453	CC(=O)NC(CCC4C2CCC1=C(=O)C(C)C1)C3C4	V	V	soluble	-4.250	-5.206	0.006	-4.745	0.517	-4.255	0.004	-4.570	0.377	-4.960	-4.793	0.407	-4.875	-4.857	0.159	-5.670	-5.907	-3.8	-4.24	-4.11	-4.60
1454	OC1C(II)CC(C)NC(C)1	TR	TR	moderately soluble	-3.610	-4.886	0.008	-3.843	0.588	-4.065	0.016	-3.181	0.130	-4.558	-3.995	0.704	-3.300	-3.512	0.468	-2.850	-2.478	-1.98	-2.37	-3.33	-2.72
1455	CN(C)C2(CCC4(N=C)(OC1(O)C=O)C=C)C=C(N)C=C2)C(N)C=C(N)C=O)C3C(O)CCCC3C4C(O)	TR	TR	moderately soluble	-3.120	-3.724	0.008	-3.660	0.671	-1.864	0.020	-3.155	0.601	-3.174	-3.101	0.863	-3.394	-3.408	0.357	-1.960	-2.823	-0.28	-2.78	-2.15	-2.23
1456	C(=N)C(=O)C(CCCC1)C2(N)C(=O)C(C)C2	TR	TR	moderately soluble	-2.980	-4.358	0.003	-2.372	0.365	-3.212	0.006	-2.832	0.069	-4.084	-3.238	0.892	-2.759	-2.602	0.325	-4.190	-4.119	-2.87	-5.34	-4.39	-3.96
1457	CCCCCCOC(=O)C1CCC(N)CC1	TR	TR	moderately soluble	-3.950	-3.572	0.002	-3.016	0.196	-3.072	0.002	-4.113	0.062	-3.298	-3.443	0.512	-3.851	-3.564	0.776	-2.950	-2.201	-2.83	-3.5	-2.52	-2.98
1458	C1C(=O)C=C(C2)=CC3C4CCC(=O)C)OC(=O)C4C)C(C)C3)C2)C1	V	V	insoluble	-5.050	-5.245	0.007	-5.153	0.583	-4.211	0.018	-4.464	0.528	-4.966	-4.770	0.507	-4.791	-4.808	0.486	-4.870	-4.780	-4.77	-4.08	-4	-4.57
1459	C1(=O)NC(=O)NC(C)=C(O)O=C1	TR	TR	soluble	-1.990	-1.012	0.005	-1.718	0.320	-1.021	0.004	-1.974	0.118	-1.037	-1.431	0.690	-1.905	-1.846	0.181	-1.350	-1.223	-0.83	-0.85	-0.62	-1.30
1460	C1(C)C(n2nCnCn2n1	TR	TR	soluble	-0.870	-2.128	0.007	-1.818	0.443	-3.229	0.003	-0.583	0.256	-2.854	-1.939	1.088	-1.035	-1.201	0.873	-1.930	-2.057	-1.67	1.09	-0.37	-1.00
1461	C1CnC2C(S)CnCnC2n1	TR	TR	soluble	-1.760	-2.812	0.006	-1.758	0.203	-3.211	0.003	-2.171	0.227	-3.043	-2.488	0.648	-1.953	-1.964	0.292	-1.880	-1.824	-1.55	0.5	-0.42	-1.19
1462	O=CCC(O)CCC1)C1	TR	TR	soluble	-0.860	-1.435	0.004	-1.102	0.246	-2.212	0.002	-0.843	0.043	-1.967	-1.398	0.594	-0.882	-0.973	0.183	-0.250	-0.225	-0.42	-1.38	-1.2	-0.73
1463	O=(N)C(C)C(C)C(C)C1	TR	TR	soluble	-1.760	-1.724	0.002	-1.459	0.185	-1.758	0.002	-1.161	0.171	-1.739	-1.526	0.278	-1.304	-1.310	0.211	-0.690	-0.106	-0.08	-1.33	-0.93	-0.74
1464	C1CCC(N)C(C1)=O)C	TR	TR	soluble	-1.280	-2.274	0.002	-2.313	0.202	-2.160	0.001	-1.694	0.083	-2.206	-2.110	0.285	-1.875	-2.003	0.437	-0.500	-0.346	-1.04	-0.71	-0.8	-0.88
1465	CCN(CC)(=S)SCC)(C)=C	TR	TR	moderately soluble	-3.390	-4.243	0.005	-3.406	0.819	-3.376	0.005	-3.197	0.137	-3.764	-3.556	0.468	-3.227	-3.302	0.148	-3.360	-3.351	-2.54	4	-2.76	-3.21
1466	OC(=O)C(C)C(=O)OC(C)(C)C(=O)O	V	V	soluble	-0.290	-1.592	0.006	-0.292	0.002	-1.505	0.004	-0.542	0.329	-0.808	-0.983	0.662	-0.293	-0.417	0.177	-0.500	-1.642	0.33	-1.94	-0.89	-0.84
1467	CC1=C(C)C(C)C(C)C2(C)C3CC=CC3(C)C1	V	V	soluble	-4.040	-5.181	0.013	-5.291	1.224	-4.565	0.018	-5.239	1.006	-6.343	-6.332	0.163	-6.290	-6.290	0.001	-5.990	-6.274	-5.32	-3.89	-4.57	-5.39
1468	O=C(NC)C(=O)C(NC)C=N1CC(O)C(O)=C12)C(N)2C	TR	TR	soluble	-0.170	-1.870	0.005	-2.269	0.530	0.265	0.013	-1.541	0.292	-1.283	-1.354	1.119	-1.799	-1.905	0.515	-1.580	-0.931	0.01	0.19	-0.44	-0.76
1469	O=C(O)C(C)C(C)C(O)C1(C)C(C)C	TR	TR	soluble	-1.420	-2.204	0.006	-1.542	0.970	-1.946	0.003	-2.598	0.403	-2.030	-2.072	0.444	-2.288	-2.070	0.747	-1.870	-1.485	-0.93	-2.5	-1.79	-1.81
1470	CN(C)C=O)C1CCC(N=N)C(C)C1	TR	TR	moderately soluble	-2.340	-2.700	0.003	-2.672	0.475	-2.561	0.002	-2.506	0.262	-2.621	-2.610	0.092	-2.565	-2.589	0.117	-1.140	-1.945	-1.43	-1.59	-1.47	-1.69
1471	CCOP(=S)(OC)OC1CCC(CC1)S)C)=O	TR	TR	moderately soluble	-2.300	-4.344	0.006	-3.268	0.524	-3.785	0.003	-3.727	0.129	-3.971	-3.781	0.441	-3.637	-3.498	0.325	-2.530	-3.096	-2.5	-4.24	-2.83	-3.14
1472	O=C(OC)(CCCCCCCCC	TR	TR	moderately soluble	-3.690	-3.254	0.005	-5.503	0.461	-3.032	0.005	-3.455	0.117	-3.197	-4.321	1.364	-5.458	-5.498

1574	C(C)CCCC(CC1)C2C(C)C(CCC2C)	V	V	insoluble	-6,270	-5,745	0,004	-6,323	0,252	-5,461	0,004	-6,370	0,030	-5,632	-5,925	0,394	-6,186	-6,246	0,109	-6,400	-6,463	-3,91	-4,49	-4,44	-5,31
1575	OC1(C)C(C)CCC(C)1	TS	TR	soluble	-1,790	-2,492	0,003	-2,012	0,220	-1,407	0,002	-2,328	0,065	-3,071	-2,560	0,599	-2,256	-2,170	0,223	-0,890	-1,580	-1,51	-1,81	-2	-1,67
1576	CC(C)O	V	V	highly soluble	0,430	-0,079	0,010	-0,781	1,145	-0,580	0,004	0,971	0,067	-0,390	-0,117	0,783	0,875	0,095	1,238	0,280	0,162	0,05	-0,33	-0,43	0,10
1577	CC1(CCC(O)OC)C1C	TR	TR	soluble	-1,380	-1,969	0,003	-1,413	0,410	-2,007	0,002	-1,255	0,102	-1,981	-1,661	0,383	-1,286	-1,334	0,112	-1,300	-1,117	-1,01	-2,09	-1,92	-1,45
1578	O=C1N(COC(=O)CCCCC)C(=O)C(N1)(CC2CCCCC2)C3CCCCC3	TS	TR	insoluble	-5,086	-4,992	0,004	-5,131	1,176	-4,724	0,008	-4,139	0,278	-4,896	-4,792	0,497	-4,363	-4,725	0,829	-5,360	-3,646	-4,77	-6,98	-5,23	-5,06
1579	CC(C)C(C)O	V	V	soluble	-0,180	-0,756	0,004	-0,091	0,673	-0,798	0,003	-0,141	0,136	-0,769	-0,447	0,383	-0,132	-0,116	0,035	0,000	-0,464	-0,46	-1,3	-1,13	-0,58
1580	CCC(C)CCO	TR	TR	soluble	-0,720	-0,757	0,006	-0,637	0,237	-1,136	0,003	-0,618	0,042	-0,979	-0,787	0,240	-0,621	-0,628	0,013	-0,240	-0,946	-1,27	-1,81	-1,39	-1,05
1581	O=C1N(C)=O)NC(=O)C1(CC)C)C	TR	TR	moderately soluble	-2,148	-1,761	0,013	-2,201	0,393	-1,799	0,003	-1,868	0,055	-1,797	-1,907	0,201	-1,909	-2,035	0,235	-1,560	-1,427	-2,37	-2,14	-1,55	-1,83
1582	CCCCC(=O)CCCC	V	V	moderately soluble	-2,580	-2,357	0,004	-3,110	0,432	-2,371	0,003	-2,676	0,194	-2,370	-2,628	0,353	-2,810	-2,893	0,307	-2,540	-2,841	-3,01	-2,9	-2,14	-2,71
1583	CN(C)=O)OC1CCCC2CCCCC12	TR	TR	moderately soluble	-3,224	-3,277	0,002	-3,538	0,325	-3,096	0,002	-3,274	0,208	-3,192	-3,296	0,182	-3,377	-3,406	0,186	-3,570	-2,972	-2,1	-3,79	-3,04	-3,14
1584	CC(C)CN	V	V	soluble	-0,092	-0,626	0,012	-0,363	0,843	-1,936	0,003	-0,042	0,166	-1,686	-0,742	0,831	-0,095	-0,202	0,228	-0,210	-0,544	-0,86	-0,52	-0,59	-0,47
1585	C1(C=C/C)	V	V	soluble	-1,300	-0,799	0,009	-1,478	1,452	-2,579	0,003	-1,165	0,103	-2,134	-1,505	0,768	-1,185	-1,321	0,222	-1,220	-1,630	-1,12	-1,48	-1,61	-1,37
1586	C/C1CCCCC1\C	V	V	insoluble	-4,300	-2,049	0,005	-2,827	0,277	-2,167	0,004	-4,044	0,089	-2,164	-2,771	0,915	-3,747	-3,435	0,860	-4,110	-3,760	-1,8	-3,44	-2,9	-3,29
1587	CC1=O)OCC1=O)C3(OCCC4(2CCC1=CC1=O)CCC1)C)C2C(=O)CCC34C	TR	TR	insoluble	-3,210	-2,793	0,005	-3,653	0,289	-3,330	0,015	-3,591	0,378	-4,421	-4,216	0,891	-4,476	-4,372	1,104	-3,160	-4,104	-3,95	-3,78	-3,39	-3,81
1588	C1(CCC=CCC1	TS	TR	moderately soluble	-3,180	-1,719	0,008	-1,599	0,737	-2,452	0,003	-4,004	0,093	-2,291	-2,453	1,125	-3,769	-2,821	1,729	-3,240	-2,205	-1,27	-3,08	-2,58	-2,69
1589	O=C2N(C)=O)C1(CCCC1)C(=O)N2	TS	TR	moderately soluble	-2,349	-2,069	0,005	-2,012	0,585	-2,270	0,005	-3,141	0,508	-2,175	-2,373	0,524	-2,616	-2,576	0,798	-1,610	-1,725	-1,86	-1,38	-1,12	-1,72
1590	NC1CCC(CC1)S(=O)(=O)C2CCC(N)CC2	TR	TR	moderately soluble	-3,094	-4,202	0,002	-3,031	0,645	-2,747	0,002	-2,595	0,167	-3,503	-3,144	0,729	-2,684	-2,813	0,309	-1,670	-1,351	-1,5	-1,94	-1,57	-1,79
1591	CCS(CC	V	V	moderately soluble	-2,420	-2,653	0,009	-1,763	2,323	-2,589	0,003	-2,337	0,198	-2,602	-2,335	0,405	-2,292	-2,050	0,406	-2,500	-2,316	-1,64	-2,32	-1,43	-2,08
1592	CCCCCCOC(=O)C1CCCCC1(=O)OCCCCCC	TR	TR	insoluble	-6,144	-4,384	0,004	-4,501	0,559	-4,404	0,006	-5,251	0,382	-4,399	-4,635	0,414	-4,947	-4,876	0,531	-6,020	-4,768	-5,25	-7,07	-4,92	-5,50
1593	CCN(CC)C(=C)C1C(CC)CC1N(=O)=O)C(F)(F)F)N(=O)=O	V	V	insoluble	-6,124	-4,851	0,011	-6,002	0,684	-4,767	0,017	-6,473	0,149	-4,428	-5,323	1,112	-6,389	-6,238	0,332	-4,790	-4,426	-2,56	-5,17	-3,68	-4,50
1594	CCCCCC(=O)OCC	TR	TR	moderately soluble	-2,350	-1,610	0,003	-1,896	0,154	-1,956	0,002	-2,818	0,084	-1,833	-2,070	0,521	-2,492	-2,357	0,651	-2,010	-1,909	-2,34	-2,66	-1,89	-2,22
1595	NC1=C(=O)(=O)CC1F	TS	TR	soluble	-0,972	-0,991	0,005	-0,577	0,718	-1,325	0,003	-1,211	0,297	-1,198	-1,026	0,330	-1,026	-0,894	0,448	-1,300	0,043	-0,41	0,56	0,11	-0,34
1596	NS(=O)(=O)C2CC1C(NCNS1(=O)=O)CC2C)	V	V	moderately soluble	-2,630	-3,740	0,008	-3,031	0,998	-1,912	0,012	-2,464	0,265	-2,974	-2,787	0,783	-2,583	-2,748	0,401	-2,110	-2,060	-1,1	-1,16	-0,91	-1,65
1597	CC12CC(O)C3C(CCC4=CC(=O)CCC34C)C2CCC1(O)C(=O)CO	TR	TR	moderately soluble	-3,090	-4,654	0,006	-3,316	0,147	-2,457	0,010	-3,591	0,274	-3,859	-3,505	0,906	-3,412	-3,454	0,195	-3,670	-3,475	-2,63	-3,21	-2,97	-3,23
1598	C1CCCCCC1	TR	TR	moderately soluble	-3,010	-2,833	0,011	-3,559	0,569	-3,043	0,005	-2,900	0,081	-2,976	-3,084	0,329	-2,982	-3,229	0,466	-3,860	-3,715	-2,27	-3,52	-3,55	-3,32
1599	CC2C2(C1=CCC1C(OC)C3)=C(C)C(C)C2	V	V	moderately soluble	-3,021	-2,685	0,006	-4,363	0,936	-3,052	0,011	-3,559	0,560	-2,825	-3,415	0,727	-3,860	-3,961	0,568	-1,440	-2,248	-1,33	-0,66	-1,37	-1,82
1600	COC(=O)C	V	V	highly soluble	0,460	0,725	0,007	0,064	0,702	-0,867	0,002	-0,042	0,105	-0,465	-0,030	0,653	-0,028	0,011	0,075	0,980	0,536	-0,21	-0,29	-0,35	0,11
1601	CCCCC(=O)CC	V	V	soluble	-0,820	-0,700	0,003	-1,296	0,133	-1,523	0,002	-0,826	0,108	-1,239	-1,086	0,388	-1,037	-1,061	0,332	-1,110	/	-1,5	-1,91	-1,39	-1,39
1602	CCCCCC(=O)OC	V	V	soluble	-1,870	-1,177	0,003	-1,896	0,428	-1,740	0,002	-1,666	0,146	-1,526	-1,620	0,310	-1,724	-1,781	0,163	-1,770	-1,483	-1,93	-2,7	-1,89	-1,92
1603	CCCCCCCCC(=O)OC	TR	TR	moderately soluble	-3,380	-2,372	0,004	-3,671	0,456	-2,388	0,003	-3,686	0,149	-2,399	-3,029	0,750	-3,682	-3,678	0,010	-3,620	-3,330	-3,17	-4,59	-3,1	-3,58
1604	CCCCCCCC(=O)OC	V	V	moderately soluble	-3,170	-1,936	0,003	-3,324	0,554	-2,173	0,002	-2,818	0,134	-2,086	-2,563	0,630	-2,916	-3,071	0,358	-3,040	-2,709	-2,76	-4,03	-2,74	-3,03
1605	CCCC(=O)OCC	TR	TR	moderately soluble	-1,360	-0,630	0,004	-1,296	0,149	-1,544	0,002	-0,826	0,111	-1,271	-1,074	0,420	-1,027	-1,061	0,332	-0,970	-0,761	-1,5	-1,82	-1,34	-1,24
1606	COC(=O)C1CCCC(O)CC1	TS	TR	soluble	-1,827	-1,628	0,002	-1,085	0,291	-2,112	0,002	-1,161	0,109	-1,862	-1,497	0,476	-1,140	-1,123	0,053	-1,140	-0,384	-0,57	-1,22	-1,11	-0,93
1607	COC1CCCC(NC(=O)NC)C)C1C	TS	TR	moderately soluble	-2,564	-2,953	0,002	-2,953	0,452	-2,993	0,002	-3,515	0,195	-2,975	-3,103	0,275	-3,346	-3,234	0,398	-1,430	-2,261	-1,72	-1,5	-1,69	-1,99
1608	COC(=O)C1=C(C)N(C(=C)C1C2)CCCCC2N(=O)=O)C(=O)OC)C	V	V	insoluble	-4,765	-2,927	0,005	-6,567	0,930	-3,548	0,009	-4,095	0,652	-3,168	-4,283	1,595	-5,111	-5,329	1,751	-3,950	-3,654	-2,98	-4,33	-3,12	-3,86
1609	CCN(=O)=O	TR	TR	soluble	-0,220	0,212	0,008	0,064	0,964	-1,385	0,002	0,197	0,076	-0,999	-0,228	0,774	0,187	0,131	0,094	-0,100	-0,528	-0,4	-0,7	-0,35	-0,32
1610	O=C2CN(N=CC1CCC(o1)N(=O)=O)C(=O)N2	TR	TR	moderately soluble	-3,380	-1,924	0,005	-3,422	0,440	-3,462	0,009	-2,464	0,332	-2,466	-2,818	0,754	-2,876	-2,943	0,678	-1,980	-2,596	-0,22	-1,43	-0,8	-1,65
1611	OC3N=C(C1CCCCC1)C2CC(C)CC2N3=O	TR	TR	moderately soluble	-3,952	-4,844	0,003	-2,952	0,942	-4,088	0,004	-4,910	0,361	-4,555	-4,198	0,926	-4,368	-3,931	1,385	-2,980	-3,659	-2,9	-3,23	-3,08	-3,37
1612	CC1CCCCC(F)C1	TR	TR	insoluble	-4,030	-3,627	0,010	-3,559	0,410	-3,755	0,006	-4,133	0,059	-3,728	-3,768	0,256	-4,061	-3,846	0,406	-4,140	-3,949	-2,66	-2,76	-3,3	-3,48
1613	C(C)CCC(C)N(C2CCCC2)C(=O)NC3CCCCC3)CC1	TR	TR	insoluble	-5,915	-6,039	0,004	-5,311	0,428	-5,496	0,004	-5,031	0,382	-5,745	-5,469	0,425	-5,163	-5,171	0,198	-4,270	-5,693	-4	-5,16	-4,55	-4,81
1614	C1CCC2(C)C1(CCC3(2CCCC4C5CCCCC5CCC4)3	TS	TR	insoluble	-7,820	-6,663	0,010	-8,586	0,391	-7,865	0,016	-8,261	0,337	-6,249	-7,227	1,480	-8,412	-8,423	0,222	-7,740	-5,047	-4,13	-8,62	-7,21	-6,86
1615	CC12CC(O)C3(CCC4=CC(=O)C=CC34)C2CCC1(O)C(=O)CO	V	V	moderately soluble	-3,180	-4,540	0,006	-3,316	0,197	-2,546	0,013	-3,591	0,247	-3,913	-3,498	0,821	-3,438	-3,454	0,195	-3,390	-3,416	-2,17	-3,22	-2,96	-3,10
1616	NC(=O)C1CnCCn1	TR	TR	soluble	-0,667	-0,987	0,004	-0,577	0,271	-1,729	0,003	-1,211	0,084	-1,421	-1,126	0,480	-1,061	-0,894	0,448	-0,930	0,345	-0,41	1,24	0,62	-0,03
1617	CCCOC(=O)C1CCC(N)CC1	V	V	moderately soluble	-2,452	-2,642	0,001	-2,080	0,387	-2,445	0,001	-2,306	0,097	-2,541	-2,368	0,236	-2,261	-2,193	0,160	-1,790	-0,858	-1,61	-2,01	-1,55	-1,68
1618	NC1CCC(CC1)S(N)(=O)=O	TS	TR	soluble	-1,340	-2,488	0,003	-0,580	0,228	-1,298	0,003	-1,136	0,296	-1,813	-1,375	0,803	-0,822	-0,858	0,393	-1,440	-0,279	-0,29	-0,83	-0,45	-0,69
1619	C/C=C/C=O	TR	TR	highly soluble	0,320	-0,286	0,009	-0,410	0,528	-1,429	0,002	-0,141	0,080	-1,169	-0,566	0,586	-0,176	-0,275	0,191	-0,030	-0,372	-0,16	-0,48	-0,56	-0,30
1620	CC12CCC3C(CCC4=CC(=O)CCC34C)C2CCC1O	TR	TR	insoluble	-4,020	-5,138	0,005	-4,078	0,162	-3,693	0,010	-3,858	0,039	-4,575	-4,192	0,650	-3,901	-3,968	0,156	-4,310	-4,601	-3,48	-3,78	-3,72	-3,97
1621	CC(=O)OC3CCC4C2CCC1=CC(=O)CCC1)C(C)CCC34C	V	V	insoluble	-5,184	-5,248	0,005	-4,245	0,327	-4,174	0,012	-4,970	0,252	-4,931	-4,784	0,456	-4,872	-4,857	0,159	-5,130	-5,021	-4,11	-4,5	-4,21	-4,64
1622	C1(OC(=O)NC)=C(C)C2C(C)C(C)C2)C)=C	V	V	insoluble	-4,925	-4,214	0,003	-2,694	0,397	-4,795	0,005	-4,150	0,527	-4,436	-3,964	0,896	-3,319	-3,422	1,029	-3,610	-3,444	-2,59	-3,13	-3,1	-3,20
1623	CC(C)CCCC(C)C1CCCC2C3CC=C4CC(O)CCC4(C)C3CCC12C	V	V	insoluble	-7,000	-6,674	0,010	-4,990	0,538	-4,832	0,014	-7,100	0,000	-7,079	-5,899	1,156	-7,100	-6,045	1,492	-6,800	-7,042	-5,78	-9,02	-7,4	-7,19
1624	FC(F)(F)C)Cl	TS	TR	soluble	-1,990	-0,735	0,023	-1,722	0,873	-2,719	0,005	-1,938	0,257	-2,374	-1,779	0,817	-1,889	-1,830	0,153	-2,610	-1,489	-1,67	-1,91	-2,02	-1,93
1625	C(C)CC1	TR	TR	soluble	-1,080	-0,662	0,008	-1,763	1,482	-2,033	0,004	-1,165	0,082	-1,578	-1,405	0,614	-1,196	-1,464	0,423	-1,250	-1,409	-1,84	-1,09	-1,32	-1,35
1626	C1C1=C(C)C1=C(C)C=C1C1=C(C)C(C)1=C(C)=C)=C1C)	TR	TR	insoluble	-8,940	-7,025	0,013	-9,576	0,405	-8,022	0,014	-8,461	0,248	-7,560	-8,271	1,057	-8,884	-9,018	0,789	-8,650	-8,725	-9,15	-7,76	-7,68	-8,47
1627	C1C1=C(C)C(C)=C(C)C(C)=C1C)	TR	TR	insoluble	-7,560	-4,760	0,012	-6,003	0,671	-6,387	0,012	-8,376	0,179	-5,655	-6,382	1,501	-7,879	-7,190	1,679	-6,590	-6,235	-6,09	-5,5	-5,59	-6,31
1628	C1C1=CC=C(C2=CC)=C(C)C(C)C)=C2C)C)=C1	TR	TR	insoluble	-8,320	-6,544	0,010	-8,615	0,123	-7,320	0,010	-8,461	0,141	-7,043	-7,735	0,982	-8,543	-8,538	0,109	-8,190	-8,328	-8,56	-7,27	-7,19	-8,01
1629	C1C1=C(C)C=C2C(=C1)C1=C(C)C(C)=C(C)C(C)=C2	TR	TR	insoluble	-10,660	-6,296	0,011	-9,576	0,856	-7,471	0,016	-10,038	0,167	-6,902	-8,345	1,765	-9,963	-9,807	0,327	-8,160	-8,118	-8,6	-7,53	-7,35	-8,29
1630	CCI	V	V	soluble	-0,880	-1,039	0,179	-0,492	8,307	-1,369	0,005	-0,749	0,112	-1,335	-0,912	0,378	-0,746	-0,621	0,182	-2,100	-0,502	-0,68	-0,4	-0,67	-0,85
1631	CC12CCC(=O)C=C1CCC(C)CCCC(C)C1CCC2C)O	V	V	moderately soluble	-3,970	-4,389	0,006	-4,023	0,453	-3,717	0,011	-3,858	0,196	-4,797	-4,262	0,768	-3,925	-3,968	0,156	-4,590	-4,741	-4,08	-3,82	-3,83	-4,16
1632	CC1=CC(=CC=C1)N=)=O)O-)	TS	TR	moderately soluble	-2,460	-1,841	0,006	-1,263	0,616	-2,793	0,002	-2,645	0,107	-2,563	-2,136	0,717	-2,441	-1,954	0,978	-2,410	-2,623	-2,14	-3,06	-2,61	-2,55
1633	CCOC1=CC=C(NC1)C=O)C=C1	TR	TR	moderately soluble	-2,300	-2,391	0,003	-2,583	0,433	-2,601	0,001	-2,306	0,092	-2,532	-2,470	0,145	-2,354	-2,444	0,196	-1,270	-2,304	-3,32	-2	-2,02	-2,21
1634	CCC	TS	TR	moderately soluble	-2,840	-0,553	0,036	-0,741	2,345	-1,192	0,004	-1,909	0,140	-1,143	-1,099	0,603	-1,843	-1,325	0,826	-2,140	-1,083	-0,82	-1,46	-1,27	-1,44
1635	Br(Br)C(Br)Br	TR	TR	moderately soluble	-2,720	-4,035	0,081	-2,557	1,718	-4,090	0,017	-2,391	0,246	-3,976	-3,268	0,920	-2,412	-2,474	0,117	-4,190	-3,140	-3,35	-3,28	-4,18	-3,43
1636	CC(C)=C(C)C(C)=C(C)C(C)=C1C)	TR	TR	insoluble	-5,130	-3,463	0,008	-3,851	0,669	-4,803	0,005	-3,969	0,255	-4,307	-4,021	0,564	-3,936	-3,910	0,083	-4,720	-4,907	-5	-4,67	-4,66	-4,65
1637	C1C1=CC(C)=C(C)C(C)=C1	TR	TR	insoluble	-4,680	-3,772	0,006	-6,003	0,570	-4,876	0,005	-5,828	0,234	-4,428	-5,120	1,026	-5,879	-5,916	0,124	-4,900	-4,773	-4,87	-4,28	-4,5	-4,87
1638	C1C1=CC(C)=C(C)C=C1C	TS	TR	insoluble	-5,470	-3,779	0,006	-6,003	0,527	-4,947	0,005	-5,828	0,250	-4,448	-5,139	1,018	-5,885	-5,916	0,124	-5,170	-4,718	-4,87	-4,37	-4,55	-4,93
1639	C1C1=CC=C(C2=CC=C(C)C(C)=C2)C=C1C)	V	V	insoluble	-6,530	-5,607	0,006	-6,402	0,425	-6,185	0,005	-7,152	0,042	-6,004	-6,345	0,656	-7,120	-6,797	0,559	-6,910	-6,761	-7,37	-6,43	-6,32	-6,82
1640	C1C1=CC=C(C2=C)C(C)=C(C)C=C2C)C=C1	TR	TR	insoluble	-6,940	-5,507	0,006	-6,402	0,207	-6,157	0,005	-7,152	0,019	-6,034	-6,314	0,696	-7,127	-6,797	0,559	-6,920	-6,765	-7,37	-5,88	-5,98	-6,67
1641	C1=C(C)C(C)=C2OC3=CC=CC=C3OC2=C1C)	TS	TR	insoluble	-6,770	-5,045	0,006	-5,104	0,776	-7,151	0,008	-8,108	0,452	-5,964	-6,352	1,526	-7,002	-6,606	2,124	-8,290	-6,474	-6,83	-6,79	-6,49	-6,98
1642	OC(C)I=C(C)C)	V	V	moderately soluble	-2,740	-2,297	0,017	-2,140	1,526	-3,850	0,005	-2,391	0,195	-3,442	-2,670	0,794	-2,363	-2,266	0,177	-2,450	-2,701	-2,43	-3,08	-3,01	-2,67
1643	COC1=C(C)C=C(C)C=C1C)	TR	TR	insoluble	-4,200	-2,918	0,006	-3,851	0,673	-4,217	0,003	-3,969	0,201	-3,786	-3,739	0,568	-3,942	-3,910	0,083	-4,020	-3,945	-4,38	-4,01	-4,08	-4,06
1644	C1C1=CC(C)=CC(C)=C1	TS	TR	insoluble	-4,600	-3,208	0,006	-6,003	1,330	-4,207	0,003	-4,310	0,152	-3,894	-4,454	1,154	-4,483	-5,157	1,197	-4,070	-3,962	-4,24	-3,9	-4,1	-4,13
1645	C1C1=CC(C)=C2OC3=CC=CC=C3OC2=C1C)	TR	TR	insoluble	-7,580	-4,560	0,005	-5,104	0,497	-6,371	0,006	-8,108	0,334	-5,438	-6,036	1,576	-6,901	-6,606	2,124	-7,330	-5,862	-6,23	-6,53	-6,15	-6,50
1646	CC(C)(C)C	V	V	moderately soluble	-2,140	-2,062	0,024	-2,140	1,233	-2,811	0,004	-1,938	0,126	-2,670	-2,238	0,391	-1,957	-2,039	0,143	-2,720	-1,951	-2,13	-2,08	-2,2	-2,17
1647	CCCSC(=O)N(CCC)CCC	TS	TR	moderately soluble	-3,300	-3,527	0,004	-2,233	0,466	-2,826	0,002	-2,454	0,214	-3,057	-2,760	0,567	-2,385	-2,344	0,156	-3,160	-2,935	-2,87	-4,49	-2,99	-3,14
1648	C1C1=C(C)C(C)=C(C)C(OC2=C(C)C(C)=C(C)C(C)=C2C)=C1	TS	TR	insoluble	-10,550	-7,716	0,023	-9,576	1,022	-9,614	0,025	-9,551	0,628	-8,654	-9,114	0,933	-9,561	-9,564	0,018	-9,140	-10,088	-10,04	-8,12	-8,17	-9,19
1649	CCC1=CC=C(CC)=C1N(COC)C)=O)CC	TR	TR	insoluble	-3,170	-3,398	0,004	-2,595	0,276	-3,007	0,002	-4,070	0,162	-3,158	-3,267	0,627	-3,524	-3,332	1,043	-3,730	-3,753	-4,82	-3,82	-3,51	-3,86
1650	CCOP(=S)(OC)C3(C1=CC=C(C)C=C1	TR	TR	insoluble	-6,050	-6,314	0,011	-4,063	0,842	-5,857	0,007	-5,227	0,110	-6,058	-5,615	0,628	-5,197	-5,095	0,187	-5,780	-5,443	-4,89	-7,41	-5,04	-5,63
1651	CCOP(=S)(OC)C5(C(CC)N(C)C1=O)C2=CC=CC=C2C1=O	TR	TR	insoluble	-5,850	-5,324	0,010	-5,846	0,003	-5,607	0,007	-5,306	0,185	-5,680	-5,521	0,257	-5,836	-5,576	0,382	-4,750	-4,876	-4,46	-7	-4,9	-5,30
1652	C1OC(OC2C(O)C(O)C3(O)OC(OC4CCC5(C(CCC6CSCC(O)CS(O)CS(C)C)7=C(=O)OC7)CCC6SO)	TR	TR	insoluble	-4,160	-5,182	0,026	-2,550	1,516	-2,949	0,033	-4,160	0,000	-4,161	-3,710	1,196	-4,159	-3,355	1,138	-3,140	-4,213	-1,43	-5,12	-5,01	-3,85
1653	O=S1OC2(CCO1)C1(C)C(C)=C(C)C2(C)C(C)C1)	V	V	insoluble	-6,080	-6,283	0,015	-6,291	1,054	-6,045	0,017	-6,289	0,998	-6,174	-6,227	0,121	-6,290	-6,290	0,001	-4,760	-5,115	-4,96	-4,68	-4,78	-5,10
1654	CCOP(=S)(OCC)OC1=CC=C(C=C1)N+](=O)[O-)	TR	TR	insoluble	-4,290	-3,000	0,006	-3,786	0,476	-4,518	0,006	-3,977	0,220	-3,762	-3,820	0,629	-3,916	-3,881	0,135	-3,730	-3,862	-2,8	-5,95	-3,84	-4,02
1655	CCCN(CC)C(=O)SCCC	TR	TR	insoluble	-3,410	-3,543	0,004	-2,233	0,465	-2,811	0,002	-2,454	0,217	-3,049	-2,760	0,574	-2,384	-2,344	0,156	-3,130	-2,802	-2,87	-4,49	-2,99	-3,11
1656	CC1=C(C)C(C)C2=CC=C(C)C(=C2)C(C)C)=C=1	TR	TR	insoluble	-7,040	-5,631	0,005	-4,084	0,826	-5,062	0,005	-5,336	0,263	-5,338	-5,211	0,332	-5,212	-5,102	0,302	-7,690	-6,698	-7,81	-6,37	-6	-6,63
1657	CC12CCC3(CC=C4CC(O)CCC4)C)C1CCC2=O	V	V	insoluble	-4,010	-5,131	0,005	-4,076	0,157	-3,693	0,010	-3,858	0,039	-4,577	-4,190	0,647	-3,902	-3,968	0,156	-4,380	-4,615	-3,48	-3,69	-3,66	-3,95
1658	S(=O)(=O)N(C1C(NC)=O)NC)=O	TR	TR	moderately soluble	-2,440	-2,803	0,006	-1,923	0,581	-1,733	0,006	-0,864	0,684	-2,233	-1,831	0,795	-1,436	-1,394	0,749	-2,590	-2,584	-0,14	-1,77	-0,5	-1,50
1659	CN(C)CC)=C-C1)C2CCCC2CCC2CCCCC12	TR	TR	insoluble	-4,550	-5,660	0,005	-3,612	0,344	-3,864	0,005	-3,802	0,463	-4,766	-4,235	0,956	-3,693	-3,707	0,134	-5,480	-6,049	-4,07	-6,07	-5,36	-5,12
1660	C1(C)C(C)CC2SC3(CCCC3)CC2N(CCN)C)C)C12	V	V	insoluble	-5,070	-6,715	0,005	-3,612	1,116	-5,242	0,003	-6,028	0,409	-5,788	-5,151	1,270	-4,649	-4,321	1,002	-3,920	-3,319	-3,42	-4,42	-4,18	-3,98
1661	C1C3CCC(S=O)(NC(=O)NCCC)=O)CC1	TR	TR	insoluble	-3,250	-3,919	0,003	-3,786	0,254	-2,764	0,002	-3,208	0,166	-3,267	-3,419	0,535	-3,436	-3,497	0,409	-2,650	-2,562	-2,87	-3,13	-2,31	-2,83
1662	C1CC2(CCC1C)I)N(C)=O)o2	TR	TR	moderately soluble	-2,660	-2,454	0,005	-1,818	0,470	-2,863	0,005	-1,641	0,168	-2,647	-2,194	0,566	-1,687	-1,729	0,125	-2,000	-1,530	-1,42	-1,76	-1,78	-1,70
1663	O=C1C(C)N(OC)C)=O)EC(BH)(C2CCC(OC)CC2)SC2CCCCC2N1CCN(C)C	TR	TR	moderately soluble	-3,160	-4,779	0,003	-3,155	0,554	-4,073	0,005	-4,135	0,461	-5,014	-4,286	1,092	-3,692	-3,647	0,696	-3,310	-3,805	-3,02	-4,35	-3,86	-3,67
1664	N(C)CCSCC1CsC/N=C/1N(Nln1=N/S(=O)N)=O	TR	TR	moderately soluble	-2,650	-5,283	0,011	-3,354	0,713	-2,258	0,010	-2,531	0,474	-3,690	-3,356	1,366	-2,859	-2,942	0,582	-2,030	-2,956	-0,38	-2,02	-0,01	-1,71
1665	S1(=O)(=O)NCNC2C1CC/S(=O)N)=O)C(C)C2)C)F)F)F	TR	TR	moderately soluble	-2,970	-4,476	0,009	-3,031	0,631	-1,953	0,019	-3,078	0,221	-3,659	-3,134	1,033	-3,066	-3,055	0,033	-3,010	-2,958	-1,35	-1,9	-1,5	-2,30
1666	CC=1CC(C)=C)C2CC(C)=C1)C)C)=O)O	TR	TR	moderately soluble	-3,610	-2,988	0,002	-2,863	0,354	-2,262	0,004	-2,595	0,170	-2,711	-2,677	0,322	-2,681	-2,729	0,190	-1,440	-1,210	-1,01	0,44	-0

Figure S1: Distribution of 1674 compounds according to solubility classes (H, S, L, I: labels from highly soluble towards insolubile compounds) at Kohonen map.

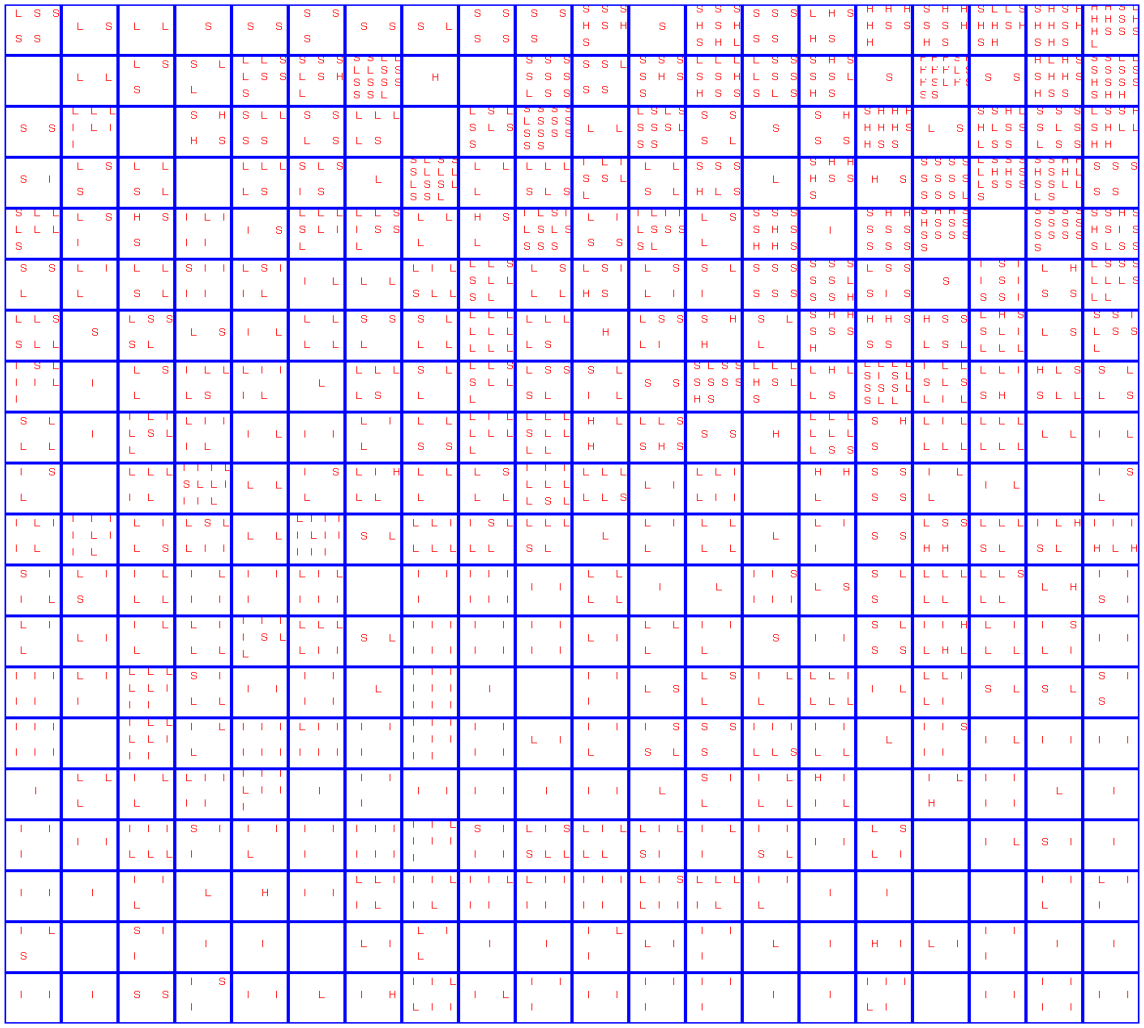

Table S2: Statistical parameters of Kohonen maps with different network sizes

Network size	No. of epochs	RMSE	R
19 x 19	100	0,415	0,910
19 x 19	200	0,406	0,914
19 x 19	300	0,413	0,911
20 x 20	100	0,397	0,918
20 x 20	200	0,394	0,919
20 x 20	300	0,406	0,914
21 x 21	100	0,389	0,921
21 x 21	200	0,391	0,921
21 x 21	300	0,402	0,916

Table S3: List of 94 Dragon descriptors

MD abbreviation	Description	Type
PW2	path/walk 2 - Randic shape index	Topological indices
PW3	path/walk 3 - Randic shape index	Topological indices
PW4	path/walk 4 - Randic shape index	Topological indices
PW5	path/walk 5 - Randic shape index	Topological indices
CID	Randic ID number	Walk and path counts
X0	connectivity index of order 0	Connectivity indices
X1	connectivity index of order 1 (Randic connectivity index)	Connectivity indices
X2	connectivity index of order 2	Connectivity indices
X3	connectivity index of order 3	Connectivity indices
X4	connectivity index of order 4	Connectivity indices
X5	connectivity index of order 5	Connectivity indices
X0A	average connectivity index of order 0	Connectivity indices
X1A	average connectivity index of order 1	Connectivity indices
X2A	average connectivity index of order 2	Connectivity indices
X3A	average connectivity index of order 3	Connectivity indices
X4A	average connectivity index of order 4	Connectivity indices
X5A	average connectivity index of order 5	Connectivity indices
X0v	valence connectivity index of order 0	Connectivity indices
X1v	valence connectivity index of order 1	Connectivity indices
X2v	valence connectivity index of order 2	Connectivity indices
X3v	valence connectivity index of order 3	Connectivity indices
X4v	valence connectivity index of order 4	Connectivity indices
X5v	valence connectivity index of order 5	Connectivity indices
X0Av	average valence connectivity index of order 0	Connectivity indices
X1Av	average valence connectivity index of order 1	Connectivity indices
X2Av	average valence connectivity index of order 2	Connectivity indices
X3Av	average valence connectivity index of order 3	Connectivity indices
X4Av	average valence connectivity index of order 4	Connectivity indices
X5Av	average valence connectivity index of order 5	Connectivity indices
X0sol	solvation connectivity index of order 0	Connectivity indices
X1sol	solvation connectivity index of order 1	Connectivity indices
X2sol	solvation connectivity index of order 2	Connectivity indices
X3sol	solvation connectivity index of order 3	Connectivity indices
X4sol	solvation connectivity index of order 4	Connectivity indices
X5sol	solvation connectivity index of order 5	Connectivity indices
XMOD	modified Randic index	Connectivity indices
RDCHI	reciprocal distance sum Randic-like index	Connectivity indices
RDSQ	reciprocal distance sum inverse Randic-like index	Connectivity indices
X1Kup	Kupchik connectivity index	Connectivity indices
X1Mad	connectivity topochemical index	Connectivity indices
X1Per	perturbation connectivity index	Connectivity indices
X1MulPer	multiplicative perturbation connectivity index	Connectivity indices
Chi_D	Randic-like index from topological distance matrix	2D matrix-based descriptors
ChiA_D	average Randic-like index from topological distance matrix	2D matrix-based descriptors
Chi_X	Randic-like index from chi matrix	2D matrix-based descriptors
ChiA_X	average Randic-like index from chi matrix	2D matrix-based descriptors
Chi_H2	Randic-like index from reciprocal squared distance matrix	2D matrix-based descriptors
ChiA_H2	average Randic-like index from reciprocal squared distance matrix	2D matrix-based descriptors
Chi_Dt	Randic-like index from detour matrix	2D matrix-based descriptors
ChiA_Dt	average Randic-like index from detour matrix	2D matrix-based descriptors
Chi_D/Dt	Randic-like index from distance/detour matrix	2D matrix-based descriptors
ChiA_D/Dt	average Randic-like index from distance/detour matrix	2D matrix-based descriptors
Chi_Dz(Z)	Randic-like index from Barysz matrix weighted by atomic number	2D matrix-based descriptors
ChiA_Dz(Z)	average Randic-like index from Barysz matrix weighted by atomic number	2D matrix-based descriptors
Chi_Dz(m)	Randic-like index from Barysz matrix weighted by mass	2D matrix-based descriptors
ChiA_Dz(m)	average Randic-like index from Barysz matrix weighted by mass	2D matrix-based descriptors
Chi_Dz(v)	Randic-like index from Barysz matrix weighted by van der Waals volume	2D matrix-based descriptors
ChiA_Dz(v)	average Randic-like index from Barysz matrix weighted by van der Waals volume	2D matrix-based descriptors
Chi_Dz(e)	Randic-like index from Barysz matrix weighted by Sanderson electronegativity	2D matrix-based descriptors
ChiA_Dz(e)	average Randic-like index from Barysz matrix weighted by Sanderson electronegativity	2D matrix-based descriptors
Chi_Dz(p)	Randic-like index from Barysz matrix weighted by polarizability	2D matrix-based descriptors
ChiA_Dz(p)	average Randic-like index from Barysz matrix weighted by polarizability	2D matrix-based descriptors
Chi_Dz(i)	Randic-like index from Barysz matrix weighted by ionization potential	2D matrix-based descriptors
ChiA_Dz(i)	average Randic-like index from Barysz matrix weighted by ionization potential	2D matrix-based descriptors
Chi_B(m)	Randic-like index from Burden matrix weighted by mass	2D matrix-based descriptors
ChiA_B(m)	average Randic-like index from Burden matrix weighted by mass	2D matrix-based descriptors
VR1_B(m)	Randic-like eigenvector-based index from Burden matrix weighted by mass	2D matrix-based descriptors
VR2_B(m)	normalized Randic-like eigenvector-based index from Burden matrix weighted by mass	2D matrix-based descriptors
VR3_B(m)	logarithmic Randic-like eigenvector-based index from Burden matrix weighted by mass	2D matrix-based descriptors
Chi_B(v)	Randic-like index from Burden matrix weighted by van der Waals volume	2D matrix-based descriptors
ChiA_B(v)	average Randic-like index from Burden matrix weighted by van der Waals volume	2D matrix-based descriptors
VR1_B(v)	Randic-like eigenvector-based index from Burden matrix weighted by van der Waals volume	2D matrix-based descriptors

VR2_B(v)	normalized Randic-like eigenvector-based index from Burden matrix weighted by van der Waals volume	2D matrix-based descriptors
VR3_B(v)	logarithmic Randic-like eigenvector-based index from Burden matrix weighted by van der Waals volume	2D matrix-based descriptors
Chi_B(e)	Randic-like index from Burden matrix weighted by Sanderson electronegativity	2D matrix-based descriptors
ChiA_B(e)	average Randic-like index from Burden matrix weighted by Sanderson electronegativity	2D matrix-based descriptors
VR1_B(e)	Randic-like eigenvector-based index from Burden matrix weighted by Sanderson electronegativity	2D matrix-based descriptors
VR2_B(e)	normalized Randic-like eigenvector-based index from Burden matrix weighted by Sanderson electronegativity	2D matrix-based descriptors
VR3_B(e)	logarithmic Randic-like eigenvector-based index from Burden matrix weighted by Sanderson electronegativity	2D matrix-based descriptors
Chi_B(p)	Randic-like index from Burden matrix weighted by polarizability	2D matrix-based descriptors
ChiA_B(p)	average Randic-like index from Burden matrix weighted by polarizability	2D matrix-based descriptors
VR1_B(p)	Randic-like eigenvector-based index from Burden matrix weighted by polarizability	2D matrix-based descriptors
VR2_B(p)	normalized Randic-like eigenvector-based index from Burden matrix weighted by polarizability	2D matrix-based descriptors
VR3_B(p)	logarithmic Randic-like eigenvector-based index from Burden matrix weighted by polarizability	2D matrix-based descriptors
Chi_B(i)	Randic-like index from Burden matrix weighted by ionization potential	2D matrix-based descriptors
ChiA_B(i)	average Randic-like index from Burden matrix weighted by ionization potential	2D matrix-based descriptors
VR1_B(i)	Randic-like eigenvector-based index from Burden matrix weighted by ionization potential	2D matrix-based descriptors
VR2_B(i)	normalized Randic-like eigenvector-based index from Burden matrix weighted by ionization potential	2D matrix-based descriptors
VR3_B(i)	logarithmic Randic-like eigenvector-based index from Burden matrix weighted by ionization potential	2D matrix-based descriptors
Chi_B(s)	Randic-like index from Burden matrix weighted by I-State	2D matrix-based descriptors
ChiA_B(s)	average Randic-like index from Burden matrix weighted by I-State	2D matrix-based descriptors
VR1_B(s)	Randic-like eigenvector-based index from Burden matrix weighted by I-State	2D matrix-based descriptors
VR2_B(s)	normalized Randic-like eigenvector-based index from Burden matrix weighted by I-State	2D matrix-based descriptors
VR3_B(s)	logarithmic Randic-like eigenvector-based index from Burden matrix weighted by I-State	2D matrix-based descriptors

Table S4: Frequency of top 10 selected Dragon molecular descriptors in model optimization

CP-ANN models	%	Qsarins models	%
X0Av	100	X0Av	77
ChiA_B(p)	91	CID	75
X1Per	85	ChiA_B(p)	44
X1Av	79	Chi_D	42
X1Kup	77	ChiA_X	39
X1MulPer	76	VR2_B(s)	34
X3sol	75	Chi_B(m)	32
RDCHI	69	Chi_B(s)	23
X1v	60	Chi_B(p)	19
Chi_H2	53	Chi_B(e)	18

Table S5: Selected Dragon descriptors in the best models NN-D and Q-D

model NN-D	model Q-D
PW2	CID
X1v	X0Av
X4v	X1sol
X0Av	Chi_D
X1Av	ChiA_X
X0sol	ChiA_Dt
X3sol	Chi_B(m)
X5sol	Chi_B(e)
RDCHI	Chi_B(p)
X1Kup	ChiA_B(p)
X1Per	VR2_B(i)
X1MulPer	ChiA_B(s)
Chi_H2	
Chi_Dt	
ChiA_Dt	
Chi_Dz(Z)	
Chi_Dz(p)	
Chi_Dz(i)	
Chi_B(p)	
ChiA_B(p)	
VR3_B(p)	
VR2_B(i)	

correlated with X1

Table S6: The most correlated Dragon descriptors (CC > 0.8)

Dragon descriptors	CC > 0.8
X1	CID
	X0, X2, X3, X4, X5
	X0v, X1v, X2v, X3v
	X0sol, X1sol, X2sol, X3sol, X4sol, X5sol
	XMOD, RDCHI, RDSQ
	X1Kup, X1Mad, X1Per, X1MulPer
	X1A
	Chi_X, Chi_H2, Chi_B(m),Chi_B(v),Chi_B(e), Chi_B(p), Chi_B(i), Chi_B(s)
	VR1_B(m), VR2_B(m), VR3_B(m)
	VR1_B(v), VR2_B(v), VR3_B(v)
	VR1_B(e), VR2_B(e), VR3_B(e)
	VR1_B(p), VR2_B(p)
	VR1_B(i), VR3_B(i)
	VR1_B(s), VR3_B(s)
CID	X1, Chi_B(m), Chi_B(e), Chi_B(p), Chi_B(s)
X1A	X1, PW3, PW2
PW4	PW5, X0A, VR2_B(i), VR2_B(s)
X4v	X5v, Chi_B(e), Chi_B(s)
X0Av	X1Av
Chi_D	Chi_Dt, Chi_Dz(Z), Chi_Dz(m), Chi_Dz(v), Chi_Dz(e), Chi_Dz(p), Chi_Dz(i)
ChiA_Dt	ChiA_D, ChiA_H2, ChiA_Dz(Z), ChiA_Dz(m), ChiA_Dz(v), ChiA_Dz(e), ChiA_Dz(p), ChiA_Dz(i)
ChiA_B(p)	ChiA_B(e), ChiA_B(v)
VR3_B(p)	Chi_B(m), Chi_B(s), Chi_B(e), Chi_B(p)

Table S7: Correlation matrix of 94 Dragon descriptors

| correlation coefficient | PW2 | PW3 | PW4 | PW5 | CID | ID | X1 | X2 | X3 | X4 | X5 | XOA | X1A | X2A | X3A | X4A | X5A | BOy | B1y | B2y | B3y | B4y | B5y | XKy | XKy | XKy

Table S8: List of 17 Aqsol descriptors

MD abbreviation	Description
MolWt	Molecular weight
MolLogP	Octanol-water partition coefficient
MolMR	Molar refractivity
HeavyAtomCount	Number of non-H atoms
NumHAcceptors	Number of H acceptors
NumHDonors	Number of H donors
NumHeteroatoms	Number of atoms not carbon or hydrogen
NumRotatableBonds	Number of rotatable bonds
NumValenceElectrons	Number of valence electrons
NumAromaticRings	Number of aromatic rings
NumSaturatedRings	Number of saturated rings
NumAliphaticRings	Number of aliphatic rings
RingCount	Number of total rings
TPSA	Topological polar surface area
LabuteASA	Labute's Approximate Surface Area
BalabanJ	Balaban's J index (graph index)
BertzCT	topological complexity index of compound

Table S9: Frequency of top 10 selected AqSol descriptors in model optimization

CP-ANN models	%	Qsarins models	%
MolLogP	100	NumAromaticRings	54
MolMR	90	MolLogP	52
BertzCT	82	NumRotatableBonds	47
NumHAcceptors	64	NumDonors	46
NumHeteroatoms	63	NumHeteroatoms	45
MolWt	61	NumAliphaticRings	41
TPSA	56	MolWt	39
NumHDonors	55	BalabanJ	38
RingCount	48	NumHAcceptors	38
NumAromaticRings	37	RingCount	37

Table S10: Selected AqSol descriptors in the best models NN-A and Q-A

model NN-A	model Q-A
MolLogP	MolLogP
MolMR	HeavyAtomCount
HeavyAtomCount	NumHeteroatoms
NumHeteroatoms	NumRotatableBonds
NumAliphaticRings	NumValenceElectrons
RingCount	NumAromaticRings
BertzCT	RingCount
	LabuteASA
	BertzCT

Table S11: The most correlated AqSol descriptors (CC > 0.8)

AqSol descriptors	CC > 0.8
MolMR	BertzCT
MolMR, BertzCT	MolWt
	HeavyAtomCount
	NumValenceElectrons
	LabuteASA
NumAliphaticRings	NumSaturatedRings
	RingCount
TPSA	NumHAcceptors
	NumHDonors
	NumHeteroatoms
NumHAcceptors	NumHeteroatoms

Table S12: Correlation matrix of 17 AqSol molecular descriptors

correlation_coefficient	MolWt	MolLogP	MolMR	HeavyAtom	NumHAcce	NumHDonc	NumHeterc	NumRotata	NumValenc	NumAroma	NumSatura	NumAlipha	RingCount	TPSA	LabuteASA	BalabanJ	BertzCT
MolWt	1	0,482645	0,954149	0,963712	0,627476	0,351708	0,652345	0,592102	0,963282	0,451924	0,453241	0,481989	0,671505	0,488138	0,981252	-0,345292	0,860972
MolLogP	0,482645	1	0,606548	0,467895	-0,285368	-0,478077	-0,204633	0,389682	0,446302	0,47238	-0,21996	-0,172663	0,131469	-0,44741	0,529122	-0,233656	0,473213
MolMR	0,954149	0,606548	1	0,977581	0,519822	0,246863	0,462887	0,636392	0,971158	0,521192	0,367335	0,406005	0,64806	0,364858	0,988385	-0,417885	0,883379
HeavyAtomCount	0,963712	0,467895	0,977581	1	0,642372	0,369641	0,584755	0,610093	0,994548	0,490493	0,467124	0,504545	0,713147	0,514079	0,99237	-0,410196	0,900307
NumHAcceptors	0,627476	-0,285368	0,519822	0,642372	1	0,686594	0,866543	0,408088	0,664097	0,083242	0,594846	0,580598	0,538413	0,89445	0,599351	-0,152724	0,508703
NumHDonors	0,351708	-0,478077	0,246863	0,369641	0,686594	1	0,621453	0,15401	0,391957	-0,027649	0,584449	0,546004	0,4442	0,857692	0,323987	-0,151749	0,251593
NumHeteroatoms	0,652345	-0,204633	0,462887	0,584755	0,866543	0,621453	1	0,327974	0,603034	0,100045	0,477165	0,457439	0,444415	0,828938	0,569695	-0,019412	0,497715
NumRotatableBonds	0,592102	0,389682	0,636392	0,610093	0,408088	0,15401	0,327974	1	0,656261	-0,00402	0,059225	0,028802	0,021929	0,28758	0,618717	-0,037331	0,336065
NumValenceElectrons	0,963282	0,446302	0,971158	0,994548	0,664097	0,391957	0,603034	0,656261	1	0,408326	0,491407	0,519848	0,677859	0,531497	0,988666	-0,381652	0,856045
NumAromaticRings	0,451924	0,47238	0,521192	0,490493	0,083242	-0,027649	0,100045	-0,00402	0,408326	1	-0,09807	-0,055692	0,539572	0,024805	0,48536	-0,358061	0,75458
NumSaturatedRings	0,453241	-0,21996	0,367335	0,467124	0,594846	0,584449	0,477165	0,059225	0,491407	-0,09807	1	0,964815	0,756057	0,55424	0,442143	-0,292024	0,290029
NumAliphaticRings	0,481989	-0,172663	0,406005	0,504545	0,580598	0,546004	0,457439	0,028802	0,519848	-0,055692	0,964815	1	0,810583	0,530995	0,477921	-0,356002	0,363621
RingCount	0,671505	0,131469	0,64806	0,713147	0,538413	0,4442	0,444415	0,021929	0,677859	0,539572	0,756057	0,810583	1	0,46231	0,687686	-0,510213	0,74921
TPSA	0,488138	-0,44741	0,364858	0,514079	0,89445	0,857692	0,828938	0,28758	0,531497	0,024805	0,55424	0,530995	0,46231	1	0,455961	-0,11813	0,411778
LabuteASA	0,981252	0,529122	0,988385	0,99237	0,599351	0,323987	0,569695	0,618717	0,988666	0,48536	0,442143	0,477921	0,687686	0,455961	1	-0,400262	0,88821
BalabanJ	-0,345292	-0,233656	-0,417885	-0,410196	-0,152724	-0,151749	-0,019412	-0,037331	-0,381652	-0,358061	-0,292024	-0,356002	-0,510213	-0,11813	-0,400262	1	-0,439896
BertzCT	0,860972	0,473213	0,883379	0,900307	0,508703	0,251593	0,497715	0,336065	0,856045	0,75458	0,290029	0,363621	0,74921	0,411778	0,88821	-0,439896	1

Table S13: Statistic parameters of the selected regression and consensus models

Model ID	$RMSE_{TR}$	$RMSE_{Ts/cv*}$	$RMSE_{V}$	$RMSE_{all}$	R^2_{TR}	$R^2_{TS/cv*}$	R^2_{V}	R^2_{all}	Q^2_{F3TR}	Q^2_{F3TS}	Q^2_{F3V}	Q^2_{F3all}	CCC_{TR}	$CCC_{TS/cv*}$	CCC_{V}	CCC_{all}
NN-A	***0,69***	***0,71***	***0,76***	***0,71***	***0,90***	***0,90***	***0,88***	***0,90***	***0,90***	***0,90***	***0,88***	***0,90***	***0,95***	***0,95***	***0,94***	***-2,72***
NN-D	0,81	1,07	0,96	0,90	0,87	0,78	0,80	0,84	0,87	0,77	0,81	0,83	0,93	0,89	0,91	-2,60
Q-A*	1,38	1,44	1,12	1,33	0,62	/	0,53	0,65	0,62	/	0,75	0,65	0,77	0,75	0,84	-2,28
Q-D*	1,22	1,24	1,08	1,19	0,58	/	0,69	0,72	0,70	/	0,77	0,72	0,83	0,82	0,87	-2,39
cons4	1,10	/	1,04	1,09	0,82	/	0,63	0,77	0,76	/	0,78	0,76	0,85	/	0,87	-2,52
aver4	0,83	/	0,78	0,82	0,86	/	0,83	0,87	0,86	/	0,88	0,86	0,92	/	0,93	-2,65
consNN	***0,59***	***0,69***	***0,70***	***0,63***	***0,93***	***0,91***	***0,90***	***0,92***	***0,93***	***0,90***	***0,90***	***0,92***	***0,96***	***0,95***	***0,95***	***-2,75***
averNN	0,63	0,75	0,73	0,68	0,92	0,89	0,88	0,91	0,92	0,88	0.90	0.91	0,96	0,94	0,95	-2,72

Training sets for the MLR models contain merged Tr and Ts compounds used for ANN models. Consequently in MLR (Q-models) the Leave-on-out crossvalidation (CV) is used for internal testing instead of Ts data used in ANN models.

Table S14: Correlation matrix of QSPR prediction models

	exp.	**NN-A**	**NN-D**	**Q-A**	**Q-D**	**cons4**	**aver4**	**consNN**	**averNN**	**VEGA**	**pkCSM**	**Silicos-IT**	**Ali**	**ESOL**
exp.	1,00													
NN-A	0,95	1,00												
NN-D	0,92	0,91	1,00											
Q-A	0,81	0,82	0,81	1,00										
Q-D	0,85	0,86	0,86	0,84	1,00									
cons4	0,86	0,90	0,96	0,93	0,94	1,00								
aver4	0,94	0,96	0,95	0,91	0,94	0,97	1,00							
consNN	0,96	0,99	0,98	0,83	0,87	0,91	0,97	1,00						
averNN	0,95	0,98	0,87	0,83	0,88	0,91	0,98	0,99	1,00					
VEGA	0,91	0,90	0,73	0,80	0,84	0,86	0,90	0,91	0,90	1,00				
pkCSM	0,87	0,87	0,84	0,75	0,81	0,81	0,87	0,88	0,87	0,94	1,00			
Silicos-IT	0,73	0,74	0,73	0,73	0,74	0,76	0,77	0,75	0,75	0,75	0,72	1,00		
Ali	0,73	0,72	0,70	0,73	0,71	0,72	0,75	0,73	0,73	0,81	0,72	0,74	1,00	
ESOL	0,79	0,80	0,77	0,82	0,79	0,81	0,84	0,81	0,80	0,87	0,79	0,81	0,96	1,00

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no	MolWt	MolLogP	MolMR	HeavyAtomCount	NumHAcceptors	NumHDonors	NumHeteroatoms	NumRotatableBonds	NumValenceElectrons	NumAromaticRings	NumSaturatedRings	NumAliphaticRings	RingCount	TPSA	LabuteASA	BalabanJ	BertzCT	resp	split
1	-0.02992496	0.277512018	-0.061364174	0.133101211	-0.54501801	-0.611935623	-0.260162762	-0.269737862	-0.007952178	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.585354814	0.006522984	-0.518003913	0.285492218	-4.396.652.185	1
2	0.840461257	0.386622622	0.874515238	1.033.720.357	0.838449507	-0.611935623	0.342532633	1.588.417.748	0.941780614	0.963318361	-0.219691167	-0.291605354	0.355222488	0.362520146	0.942413251	-162.921.305	0.646830939	-4.595.502.564	1
3	3.578.082.388	3.484.379.117	4.188.753.026	3.935.715.383	1.184.316.386	3.087.305.008	0.643880331	-0.734276764	379.097.899	451.671.584	-0.219691167	-0.291605354	254.965.345	1.623.600.437	3.895.222.583	-3.480.485.266	4.065.458.235	-1.980.309.796	1
4	-0.478115446	0.087672598	-0.230229017	-0.367242759	-0.54501801	0.004604482	-0.862858158	0.194801041	-0.300177652	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.361400825	1.054.001.087	-0.561159951	-2.320.601.166	1
5	-0.054833387	0.025739479	-0.119564249	-0.067036377	-0.199151131	0.004604482	0.041184936	-0.03746841	-0.081008546	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.03851463	-0.062037483	0.124273784	-0.004664802	-2.466.030.786	1
6	-0.604374677	0.370621664	-0.318765854	-0.467311552	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.446290389	-0.813380379	-0.219691167	0.375846901	-0.193385253	-0.94684332	-0.458810568	-0.066264446	-0.482959121	-4.287.342.935	1
7	1.150.449.922	0.798701591	144.191.889	1.233.857.945	0.492582628	1.854.224.797	0.342532633	367.884.281	1.489.703.379	-0.813380379	-0.219691167	-0.291605354	-0.741992993	1.077.238.195	1.283.130.106	-3.480.485.681	-0.125737619	-4.809.134.189	1
8	0.251819203	0.50757104	0.396946668	0.333238799	0.146715749	0.004604482	-0.260162762	2.052.956.651	0.503442403	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.03851463	0.352016515	0.425501321	-0.44949987	-463.414.462	1
9	-0.212063451	-0.22974007	-0.140200579	-0.067036377	0.146715749	-0.611935623	-0.260162762	0.427070492	-0.11753673	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.194430512	-0.134398939	-0.714363131	-0.162859483	-2.563.625.713	1
10	-0.267676385	0.343398315	-0.098119341	-0.167105171	-0.54501801	0.004604482	-0.56151046	1.356.148.297	-0.081008546	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.156947521	-0.173031516	0.241489541	-0.586975862	-3.552.826.145	1
11	-0.520194848	0.312525879	-0.220907764	-0.367242759	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.373234021	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.364468258	0.349553145	-0.357109073	-4.472.021.768	1
12	-0.660912741	-0.281616478	-0.614354036	-0.567380346	-0.54501801	0.004604482	-0.56151046	-0.502007313	-0.519346758	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.156947521	-0.605928945	-0.522399941	-0.691978923	-1.445.031.941	1
13	-0.232318193	0.199932713	-0.075162742	-0.267173965	-0.199151131	-0.611935623	-0.260162762	0.427070492	-0.154064915	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.516741881	-0.18901277	1.394.827.396	-0.64103753	-2.703.174.404	1
14	0.532336869	-0.174851716	0.678691081	0.633445181	0.838449507	1.237.684.692	0.342532633	0.194801041	0.759139693	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.926882694	0.604059624	-3.480.484.548	0.342634535	-3.905.464.204	1
15	1.865.673.601	-0.363467532	1.543.651.628	1.433.995.533	325.951.766	1.854.224.797	2.451.966.519	2.982.034.456	1.599.287.932	-0.813380379	-0.219691167	-0.291605354	-0.741992993	128.095.931	1.701.984.872	3.369.266.548	0.238200676	-5.123.168.748	1
16	-0.253547125	0.210937896	-0.10522077	-0.167105171	-0.199151131	-0.611935623	-0.56151046	0.194801041	-0.044480362	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.156087205	1.304.608.988	-0.5451957	-3.823.043.168	1
17	0.967028865	-0.315537061	0.913347096	1.133.789.151	0.838449507	1.237.684.692	0.342532633	-0.269737862	1.124.421.536	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	1.061.355.572	1.047.708.544	-1.245.113.628	1.043.333.609	-3.178.447.129	1
18	0.812798465	0.466446406	0.855932999	0.933651563	0.838449507	-0.611935623	0.342532633	2.285.226.102	1.014.836.983	0.074968991	-0.219691167	0.375846901	0.355222488	0.030467434	0.903211836	-1.392.375.252	0.347331129	-4.151.088.918	1
19	-0.604374677	0.20615933	-0.374763683	-0.467311552	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.446290389	-0.813380379	0.503076578	1.710.751.412	0.903830228	-0.94684332	-0.464121491	-0.542312854	-0.460583485	-4.772.570.424	1
20	-0.42114986	0.088179416	-0.273691368	-0.567380346	-0.54501801	-0.611935623	-0.260162762	-0.269737862	-0.446290389	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.751381169	-0.508397525	1.312.467.366	-0.768258433	-4.909.505.216	1
21	1.143.553.498	0.786537967	1.491.352.669	1.233.857.945	0.492582628	1.854.224.797	0.342532633	367.884.281	1.489.703.379	-0.813380379	-0.219691167	-0.291605354	-0.741992993	1.199.852.047	1.292.294.194	-3.480.485.681	-0.125737619	-4.410.087.437	1
22	0.391611967	0.423982325	0.455686632	0.533376387	0.492582628	-0.611935623	0.041184936	1.123.878.846	0.539970587	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.167057995	0.481556875	-0.010407177	0.134169174	-4.387.683.254	1
23	0.307740514	0.471188771	0.419024377	0.433307593	0.146715749	-0.611935623	-0.260162762	0.659339943	0.503442403	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.028404156	0.419812874	-0.23939117	0.048393273	-4.425.503.245	1
24	0.637850759	0.810648007	0.810619957	0.733513975	-0.199151131	0.621144587	0.041184936	2.982.034.456	0.90525243	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.459298264	0.749925239	0.495191906	-0.199653243	-5.593.122.622	1
25	-0.421885758	0.571973085	-0.089250088	-0.267173965	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.263649468	-0.813380379	-0.219691167	0.375846901	-0.193385253	-0.94684332	-0.256598919	-0.532738229	-0.642446702	-5.365.156.254	1
26	0.0549347	0.938112652	0.468016199	0.333238799	-0.890884889	-0.611935623	-1.164.205.856	-0.269737862	0.101632375	1.851.667.731	-0.219691167	-0.291605354	0.903830228	-0.94684332	0.278588022	-0.983891363	0.553315527	-6.183.335.848	1
27	-0.141683478	0.780057941	0.28801959	0.133101211	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.11753673	2.740.017.101	-0.219691167	-0.291605354	1.452.437.969	-0.94684332	0.041949322	-0.274509152	0.883086924	-6.178.796.616	1
28	1.824.456.252	2.446.329.642	2.140.919.952	1.934.339.503	0.492582628	-0.611935623	0.041184936	5.072.459.517	2.220.267.065	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.167057995	2.030.719.695	0.716602404	0.184133242	-7.252.394.502	1
29	2.174.141.409	2.274.887.704	2.574.192.482	2.534.752.267	0.838449507	0.004604482	0.342532633	1.356.148.297	2.256.795.249	2.740.017.101	-0.219691167	1.043.299.157	254.965.345	0.128939699	2.441.028.251	-1.545.233.766	3.325.956.443	-7.404.250.358	1
30	3.809.350.893	2.877.233.267	4.136.333.534	4.135.852.971	2.913.650.781	1.854.224.797	2.451.966.519	4.143.381.712	4.010.148.096	2.740.017.101	-0.219691167	-0.291605354	1.452.437.969	2.366.483.671	4.040.926.881	-1.560.253.365	3.902.850.936	-8.185.258.765	1
31	-0.29624328	-0.23978954	-0.24180525	-0.167105171	-0.199151131	0.004604482	-0.260162762	-0.03746841	-0.190593099	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.03851463	-0.235076668	0.110528111	-0.148776347	-2.256.644.531	1
32	-0.479012541	-0.559895582	-0.489732499	-0.367242759	0.492582628	0.621144587	0.342532633	-0.502007313	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.94615361	-0.482662076	0.551426898	-0.14826458	-2.205.601.857	2
33	-0.713813362	0.136218491	-0.598001665	-0.767517934	-0.890884889	-0.611935623	-0.862858158	0.194801041	-0.665459495	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.673302153	-0.349328706	-0.916078715	-3.122.388.733	1
34	-0.660604364	0.042203813	-0.483042893	-0.567380346	-0.54501801	-0.611935623	-0.862858158	0.427070492	-0.482818573	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-0.562657006	0.138606582	-0.767068642	-2.153.696.327	1
35	-1.123.716.077	-0.540527906	-0.983080906	-116.779.311	-0.54501801	0.004604482	-0.862858158	-0.734276764	-1.103.797.707	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-1.086.583.014	-1.391.327.532	-0.973713048	-0.84591656	1
36	-0.598893982	-0.089713587	-0.752686251	-0.967655522	-0.890884889	-0.611935623	-0.862858158	-0.269737862	-0.884628601	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.827234742	-0.677944809	-0.950317843	-2.197.764.187	1
37	-0.213556274	0.171007904	-0.39072432	-0.367242759	-0.199151131	-0.611935623	0.342532633	-0.502007313	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.033274827	-0.306782223	0.654617673	-0.140559285	-3.364.225.398	1
38	1.194.309.499	0.678947815	1.204.284.695	1.233.857.945	0.492582628	1.237.684.692	0.643880331	0.194801041	1.197.477.905	0.963318361	0.503076578	0.375846901	0.903830228	0.965212758	1.227.560.709	-3.480.485.299	0.897413792	-3.680.444.963	1
39	-0.548474392	-0.108393438	-0.449519529	-0.467311552	-0.199151131	-0.611935623	-0.56151046	0.427070492	-0.373234021	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.476777084	0.308640806	-0.731766712	-2.250.522.404	1
40	-0.742926925	-0.061150791	-1.066.550.316	-0.867586728	-0.890884889	-0.611935623	0.041184936	-0.734276764	-0.811572232	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.902594819	1.222.313.141	-0.816782935	-2.160.954.298	1
41	-0.148313577	0.040321347	-0.010873217	-0.067036377	-0.199151131	0.621144587	-0.260162762	1.588.417.748	0.065104191	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.394073624	-0.07176861	0.209221805	-0.597538516	-2.400.775.362	1
42	-0.716813026	0.036013397	-0.491304456	-0.567380346	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.592403126	-0.813380379	0.503076578	1.043.299.157	0.355222488	-0.94684332	-0.582599721	-0.552031959	-0.493431184	-3.176.796.415	1
43	-1.236.329.639	-0.87991474	-1.153.012.973	-116.779.311	-0.54501801	0.004604482	-0.862858158	-0.734276764	-1.103.797.707	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-1.193.410.628	-1.391.327.532	-0.973713048	1.233.668.218	1
44	-0.590862171	-0.262610816	-0.480381113	-0.467311552	-0.199151131	-0.611935623	-0.56151046	-0.269737862	-0.482818573	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.555919019	-0.513398293	0.098157762	-0.511760751	-2.245.531.528	1
45	-1.046.741.048	-0.619120847	-0.947347762	-1.067.724.316	-0.199151131	-0.611935623	-0.56151046	-0.734276764	-1.067.269.522	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.685097688	-1.017.741.363	0.496495279	-0.858352345	-0.98322259	1
46	-0.449856927	0.197688234	-0.227265904	-0.367242759	-0.54501801	0.004604482	-0.862858158	0.891609395	-0.227121283	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.338237618	0.097096687	-0.787664833	-3.324.378.497	1
47	-0.408373252	-0.104773312	-0.305030064	-0.267173965	-0.199151131	-0.611935623	-0.56151046	-0.03746841	-0.300177652	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.389892663	-0.315593883	-0.42984674	-0.306582281	-2.344.979.827	1
48	-0.849989707	-0.391378706	-0.633157253	-0.767517934	-0.54501801	-0.611935623	-0.862858158	-0.03746841	-0.665459495	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.878230388	-0.749607263	0.34769566	-0.909672308	-0.137682984	1
49	-1.123.716.077	-0.524925162	-0.985290686	-116.779.311	-0.54501801	-0.611935623	-0.862858158	-0.734276764	-1.103.797.707	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-1.103.914.308	-1.391.327.532	-0.973713048	-0.931218902	1
50	0.059132828	0.409972436	-0.255937796	-0.367242759	-0.54501801	-0.611935623	0.342532633	-0.734276764	-0.373234021	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.673873968	-0.113003718	0.434177714	-0.268182777	-3.506.108.364	1
51	-0.126958491	1.011.565.013	0.360013212	0.033032417	-0.890884889	-0.611935623	-1.164.205.856	-0.269737862	0.065104191	-0.813380379	-0.219691167	0.375846901	-0.193385253	-0.94684332	0.074712807	-3.480.485.681	-0.472153902	-2.454.265.074	1
52	-1.053.532.344	-0.084247196	-0.840650554	-0.967655522	-0.890884889	-0.611935623	-1.164.205.856	-0.269737862	-0.884628601	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.953237964	-0.677944809	-0.960413844	-3.006.984.006	1
53	-0.745092571	-0.390835687	-0.681395741	-0.66744914	-0.199151131	-0.611935623	-0.56151046	-0.03746841	-0.592403126	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.690570337	0.130273478	-0.788627662	-1.219.958.563	1
54	0.8543312	-0.513268356	0.543801602	0.733513975	1.184.316.386	1.854.224.797	1.849.271.123	-0.03746841	0.686083324	0.963318361	-0.219691167	-0.291605354	0.355222488	2.457.967.582	0.595669294	0.235099357	145.774.115	-2.691.927.271	1
55	-0.478115446	0.087672598	-0.230229017	-0.367242759	-0.54501801	0.004604482	-0.862858158	0.194801041	-0.300177652	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.361400825	1.054.001.087	-0.561159951	-2.351.909.504	1
56	1.233.543.425	0.783822872	110.406.867	1.133.789.151	1.530.183.265	-0.611935623	1.246.575.727	4.143.381.712	141.664.701	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.587418092	1.145.668.746	1.694.294.405	-0.195159206	-2.778.562.332	1
57	-0.541837285	-0.176958629	-0.383406935	-0.367242759	-0.199151131	0.004604482	-0.56151046	-0.734276764	-0.482818573	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.245466675	-0.450610497	0.246446267	0.077856702	-2.349.605.255	1
58	-1.165.970.693	-0.306559148	-0.958949106	-1.067.724.316	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-1.030.741.338	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-1.071.716.194	-0.219193374	-0.938850706	-1.939.465.074	1
59	-0.717121402	-0.195493675	-0.558213073	-0.567380346	-0.54501801	-0.611935623	-0.862858158	-0.502007313	-0.628931311	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.585354814	-0.615267058	0.333817005	-0.419041869	-128.038.684	1
60	-0.548474392	-0.108393438	-0.449519529	-0.467311552	-0.199151131	-0.611935623	-0.56151046	0.427070492	-0.373234021	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.476777084	0.424548736	-0.731766712	-2.361.047.779	1
61	-0.394860746	-0.487348252	-0.459925583	-0.267173965	-0.199151131	0.621144587	0.041184936	-0.269737862	-0.336705836	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.632948279	-0.384341549	0.699224938	-0.151884502	-1.424.573.276	1
62	-0.702992143	-0.152110083	-0.529729514	-0.567380346	-0.54501801	0.004604482	-0.862858158	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	-0.604640922	0.674608511	-0.434452459	-1.292.396.158	1
63	-0.423686959	0.052991789	-0.447023482	-0.567380346	-0.54501801	0.004604482	-0.260162762	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.395822175	-0.463191716	0.577177975	-0.359661267	-2.417.174.258	1
64	-0.604374677	0.378585942	-0.268041363	-0.467311552	-0.890884889	-0.611935623	-1.164.205.856	0.427070492	-0.446290389	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.453499644	0.503506549	-0.651377711	-334.190.657	2
65	-0.351856214	0.283268018	-0.211697	-0.267173965	-0.54501801	0.004604482	-0.56151046	1.123.878.846	-0.154064915	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.156947521	-0.268346539	0.180209793	-0.672617205	-3.445.216.137	1
66	-1.151.841.433	-0.27763434	-0.958346439	-1.067.724.316	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.994213154	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-1.060.134.591	-0.507561516	-0.968119139	-2.977.604.072	1
67	-1.151.841.433	-0.225468321	-0.95658866	-1.067.724.316	-0.890884889	-0.611935623	-1.164.205.856	-0.502007313	-0.994213154	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-1.060.134.591	-0.954109921	-0.975824434	-2.977.604.072	1
68	-0.492861459	-0.510408456	-0.48287716	-0.367242759	-0.199151131	0.621144587	-0.260162762	-0.269737862	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.271459772	-0.454232628	0.020177732	-0.280656468	-0.399080411	1

69	-0.29624328	-0.242881128	-0.256440019	-0.167105171	0.146715749	-0.611935623	-0.260162762	-0.03746841	-0.190593099	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.194430512	-0.229713961	-0.234074785	-0.207427579	-2.474.006.642	1
70	-0.247162326	-0.624913049	-0.115220023	-0.067036377	0.838449507	0.621144587	0.342532633	-0.502007313	-0.190593099	0.963318361	-0.219691167	-0.291605354	0.355222488	0.974107027	-0.170136167	-0.254873924	0.193191317	-2.494.168.514	1
71	-0.001007636	0.322654992	0.131753003	0.133101211	-0.199151131	-0.611935623	-0.56151046	-0.269737862	0.174688744	-0.813380379	1.225.844.322	1.043.299.157	0.355222488	-0.389892663	0.119236016	-0.718033426	-0.023057254	-4.544.220.436	1
72	-0.015445273	0.163803853	0.043168455	0.133101211	0.146715749	0.004604482	-0.260162762	-0.269737862	0.101632375	0.074968991	0.503076578	0.375846901	0.355222488	0.03851463	0.068720684	-0.92768778	0.045610443	-4.554.076.293	1
73	-0.604374677	0.318455645	-0.320523633	-0.467311552	-0.890884889	-0.611935623	-1.164.205.856	-0.502007313	-0.446290389	-0.813380379	-0.219691167	0.375846901	-0.193385253	-0.94684332	-0.458810568	-0.287997855	-0.525858438	-4.346.837.785	1
74	-0.183496555	0.294309403	0.009512002	-0.067036377	-0.199151131	-0.611935623	-0.56151046	0.891609395	-0.007952178	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.072353787	0.80879805	-0.443009048	-4.509.709.484	1
75	0.363949175	0.135566868	0.432398567	0.433307593	0.492582628	0.621144587	0.041184936	2.285.226.102	0.613026956	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.466921923	0.432533731	0.592889593	-0.404344383	-4.660.234.439	1
76	0.040476038	0.073336898	0.147078328	0.233170005	0.146715749	0.004604482	-0.260162762	-0.03746841	0.101632375	0.963318361	-0.219691167	-0.291605354	0.355222488	0.03851463	0.139899785	-0.431979215	0.50773202	-4.580.253.828	1
77	-0.506682341	-0.204869802	-0.408751603	-0.367242759	-0.199151131	-0.611935623	-0.56151046	-0.269737862	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.389892663	-0.42249051	-0.035205176	-0.342096452	-239.990.224	1
78	-0.506682341	-0.262610816	-0.40874407	-0.367242759	-0.54501801	0.004604482	-0.56151046	-0.03746841	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.156947521	-0.427853217	-0.342233655	-0.342096452	-1.405.751.413	1
79	-0.492244705	0.162464406	-0.255887574	-0.367242759	-0.54501801	-0.611935623	-0.862858158	0.194801041	-0.336705836	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-0.372026962	1.158.104.068	-0.502267036	-2.411.668.206	1
80	0.307789574	0.399510272	0.682156417	0.533376387	-0.199151131	0.004604482	-0.56151046	0.194801041	0.430386034	0.963318361	-0.219691167	0.375846901	0.903830228	-0.62347311	0.504247311	-0.926698216	0.49994899	-3.657.617.041	1
81	-0.913431204	-0.1571855	-0.690485972	-0.767517934	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.811572232	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.792054764	0.385004403	-0.617910304	-2.206.298.299	1
82	0.068741565	-0.917346846	0.020159123	0.133101211	0.492582628	1.854.224.797	0.643880331	0.427070492	0.247745113	-0.813380379	0.503076578	0.375846901	-0.193385253	1.142.462.835	0.068477133	-3.480.485.278	-0.484998257	-0.623286686	1
83	-1.138.300.893	-1.232.804.645	-1.127.625.616	-1.067.724.316	-0.54501801	0.621144587	-0.260162762	-0.734276764	-1.030.741.338	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.516687476	-1.131.570.785	0.105562886	-0.900251982	0.957840099	1
84	-0.665096852	-0.183547259	-0.572830264	-0.66744914	-0.54501801	0.004604482	-0.56151046	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.395822175	-0.636230902	0.456897239	-0.51044382	-1.373.368.413	1
85	0.869953283	2.090.449.513	1.331.256.634	1.033.720.357	-0.54501801	0.004604482	-0.862858158	2.517.495.554	116.094.972	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	1.105.705.098	-0.863226025	0.314714354	-7.335.707.323	1
86	-1.081.790.863	-0.254393129	-0.896095938	-0.967655522	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.957684969	-0.813380379	-0.219691167	0.375846901	-0.193385253	-0.94684332	-0.981712095	-0.507483654	-0.875134072	-2.104.914.482	1
87	-0.463986186	0.003721871	-0.284418845	-0.367242759	-0.54501801	0.004604482	-0.862858158	-0.502007313	-0.263649468	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.518436027	-0.355130145	-0.362523372	-0.645668611	-2.488.009.121	1
88	0.854464362	-0.077549963	0.773628746	0.833582769	1.184.316.386	3.087.305.008	1.547.923.425	-0.269737862	0.868724246	0.963318361	-0.219691167	-0.291605354	0.355222488	199.927.742	0.732117969	-3.480.485.256	0.705625673	-0.838079267	1
89	-0.702992143	-0.152110083	-0.529729514	-0.567380346	-0.54501801	0.004604482	-0.862858158	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	-0.604640922	0.569492041	-0.518998302	-1.387.983.905	1
90	-0.562295275	0.079092899	-0.370620346	-0.467311552	-0.54501801	-0.611935623	-0.862858158	0.194801041	-0.373234021	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-0.45576038	0.926066326	-0.726067882	-2.454.057.846	1
91	0.117605255	-0.381893975	0.02921922	0.133101211	0.492582628	1.237.684.692	0.643880331	-0.502007313	0.065104191	0.963318361	-0.219691167	-0.291605354	0.355222488	1.183.969.424	0.015420689	0.168070505	0.875251853	-2.679.885.573	1
92	271.997.517	-1.298.111.722	2.059.682.922	2.834.958.649	4.297.118.298	4.320.385.218	3.356.009.612	0.891609395	2.841.246.198	0.963318361	1.225.844.322	1.710.751.412	2.001.045.709	4.014.676.435	2.578.795.089	-1.812.226.964	270.861.455	-5.010.485.646	1
93	-0.099316725	0.181433868	0.015814897	0.033032417	-0.199151131	-0.611935623	-0.56151046	-0.269737862	0.065104191	-0.813380379	1.225.844.322	1.043.299.157	0.355222488	-0.389892663	0.012339389	-0.683761651	-0.126507344	-4.583.092.455	1
94	-0.478115446	0.079092899	-0.309524957	-0.367242759	-0.54501801	-0.611935623	-0.862858158	-0.502007313	-0.300177652	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.585354814	-0.365756281	-0.272285364	-0.564807028	-2.491.877.231	2
95	-0.716813026	0.066118367	-0.452583088	-0.567380346	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.578261511	0.569492041	-0.531666618	-3.382.657.059	1
96	-0.183496555	0.293730183	0.008959557	-0.067036377	-0.199151131	-0.611935623	-0.56151046	0.659339943	-0.007952178	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.072353787	1.392.428.042	-0.347974636	-3.597.416.499	1
97	-0.55506244	0.032284667	-0.285342935	-0.467311552	-0.54501801	-0.611935623	-0.862858158	0.659339943	-0.336705836	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.878230388	-0.428917384	0.735054112	-0.848607913	-2.472.220.255	1
98	-0.449856927	0.197688234	-0.227265904	-0.367242759	-0.54501801	0.004604482	-0.862858158	0.891609395	-0.227121283	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.338237618	0.61839898	-0.782070924	-3.518.198.523	1
99	-0.718039524	-0.222789427	-1.170.610.856	-0.767517934	-0.890884889	-0.611935623	0.342532633	-0.734276764	-0.665459495	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.924135439	1.049.919.387	-0.837121449	-1.416.495.791	1
100	-0.702992143	-0.152110083	-0.529729514	-0.567380346	-0.54501801	0.004604482	-0.862858158	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	-0.604640922	0.674608511	-0.434452459	-1.424.196.078	1
101	-0.289627199	-0.329112535	-0.358356068	-0.167105171	0.492582628	-0.611935623	0.342532633	-0.269737862	-0.227121283	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.52367583	-0.28329634	0.113769495	-0.057018747	-2.599.256.825	1
102	0.141812825	-0.040552273	0.168774348	0.133101211	0.492582628	0.621144587	0.342532633	-0.03746841	0.13816056	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.712149627	0.143704534	0.157044723	0.086923713	-2.738.284.824	1
103	-0.266737237	-0.2162732	-0.598127221	-0.567380346	0.146715749	-0.611935623	0.643880331	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.127935262	-0.419150922	0.569492041	-0.491769006	-2.622.338.856	1
104	0.434020771	0.519191645	0.576220076	0.633445181	-0.199151131	-0.611935623	-0.56151046	-0.734276764	0.576498771	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	-0.223866307	0.592363646	-1.279.486.174	0.653048515	-2.820.459.609	1
105	1.570.753.342	0.694927052	1.833.047.404	1.834.270.709	0.146715749	0.004604482	0.342532633	1.123.878.846	1.708.872.485	1.851.667.731	-0.219691167	-0.291605354	0.903830228	0.519228696	1.778.214.335	-3.480.485.224	1.841.471.887	-1.020.958.606	1
106	-0.843093283	-0.315030244	-0.689260549	-0.767517934	-0.54501801	0.004604482	-0.862858158	0.194801041	-0.665459495	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.765824123	-0.349328706	-0.916078715	-1.382.910.122	1
107	-0.463986186	0.003721871	-0.284418845	-0.367242759	-0.54501801	0.004604482	-0.862858158	-0.502007313	-0.263649468	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.518436027	-0.355130145	-0.362523372	-0.645668611	-2.570.623.543	1
108	-0.941402372	-0.361259255	-0.801401851	-0.867586728	-0.54501801	-0.611935623	-0.862858158	-0.734276764	-0.775044048	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.751381169	-0.867358042	0.573099229	-0.887179636	-0.323526854	1
109	9.573.212.716	1.141.778.438	1.191.821.623	1.064.032.458	-0.890884889	-0.611935623	-1.164.205.856	2.749.765.005	98.181.294	1.340.020.954	0.503076578	0.375846901	8.584.338.596	-0.94684332	1.075.141.392	-3.480.485.444	1.299.166.413	-4.588.176.842	1
110	-0.198242568	-0.42334442	-0.239942004	-0.067036377	0.492582628	-0.611935623	0.041184936	-0.269737862	-0.11753673	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.167057995	-0.159822882	0.55435693	-0.081093903	-1.686.157.925	1
111	-0.268839806	-0.491692403	-0.662035057	-0.267173965	0.146715749	-0.611935623	0.643880331	-0.03746841	-0.190593099	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.028404156	-0.410803815	1.556.526.433	-0.464072502	-1.663.024.463	1
112	-0.184723053	-1.089.520.049	-0.551551089	-0.167105171	1.530.183.265	-0.611935623	1.547.923.425	1.123.878.846	-0.081008546	-0.813380379	-0.219691167	-0.291605354	-0.741992993	1.466.680.119	-0.311857042	0.352559869	-0.551035633	-1.690.450.821	1
113	-0.520194848	0.34209507	-0.223921101	-0.367242759	-0.890884889	-0.611935623	-1.164.205.856	-0.269737862	-0.373234021	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.364468258	0.265998933	-0.397582797	-450.074.592	2
114	-0.099008349	0.562886568	0.151867021	0.033032417	-0.54501801	-0.611935623	-0.862858158	0.194801041	0.101632375	-0.813380379	-0.219691167	0.375846901	-0.193385253	-0.585354814	0.05024862	0.025995243	-0.281999831	-4.653.202.091	1
115	-0.604374677	0.20615933	-0.374763683	-0.467311552	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.446290389	-0.813380379	1.225.844.322	1.043.299.157	0.355222488	-0.94684332	-0.464121491	-0.49095853	-0.487819275	-4.471.540.428	2
116	-0.253547125	0.315269934	-0.101705211	-0.167105171	-0.199151131	-0.611935623	-0.56151046	1.123.878.846	-0.044480362	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.156087205	0.294978495	-0.642263314	-4.626.748.523	1
117	0.185518214	0.209743255	-0.321565745	-0.467311552	-0.54501801	-0.611935623	-0.56151046	0.659339943	-0.329234021	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-0.329738381	0.468012155	-0.754142348	-4.794.038.183	1
118	-0.506682341	-0.234438993	-0.405738267	-0.367242759	-0.199151131	-0.611935623	-0.56151046	-0.502007313	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.389892663	-0.42249051	0.223657169	-0.285619489	-2.576.720.352	1
119	-0.801273198	-0.571335181	-0.587836678	-0.66744914	-0.199151131	0.621144587	-0.56151046	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.155198969	-0.719588784	0.530077024	-0.526526309	-0.439609879	1
120	-0.275322725	-0.836437024	-0.441509077	-0.267173965	0.146715749	0.004604482	0.342532633	-0.734276764	-0.336705836	0.074968991	-0.219691167	0.375846901	0.355222488	0.392379478	-0.364358076	0.13800473	0.275740606	-1.671.832.414	1
121	-0.197317438	0.586127779	0.091926744	-0.067036377	-0.54501801	-0.611935623	-0.862858158	0.659339943	-0.007952178	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-0.051337083	1.215.276.451	-0.33918132	-3.697.448.425	1
122	-0.464294563	-0.048263142	-0.33594187	-0.367242759	-0.199151131	-0.611935623	-0.56151046	0.659339943	-0.300177652	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.381462062	0.550734371	-0.649332744	-2.610.551.759	2
123	-0.449856927	0.249854253	-0.225508124	-0.367242759	-0.54501801	0.004604482	-0.862858158	1.123.878.846	-0.227121283	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.338237618	-0.037882103	-0.830681747	-3.631.238.036	2
124	0.643843079	0.104180374	0.642639026	0.833582769	0.838449507	-0.611935623	0.342532633	1.123.878.846	0.722611509	0.963318361	-0.219691167	-0.291605354	0.355222488	0.362520146	0.728619999	-1.524.112.375	0.569000038	-3.937.488.879	1
125	-0.287510613	0.440779711	-0.432017069	-0.567380346	-0.890884889	-0.611935623	-0.260162762	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.379833833	0.577177975	-0.367366562	-3.702.452.078	1
126	-1.236.329.639	-0.784343408	-1.148.663.724	-116.779.311	-0.54501801	-0.611935623	-0.862858158	-0.734276764	-1.103.797.707	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.751381169	-1.188.047.921	-1.391.327.532	-0.973713048	0.88436592	1
127	-0.632633196	0.04929926	-0.391537921	-0.467311552	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.519346758	0.074968991	-0.219691167	0.375846901	0.355222488	-0.94684332	-0.488257412	-0.391778318	-0.42137058	-3.567.368.139	1
128	0.026634129	-0.153500211	0.052828708	0.133101211	0.492582628	-0.611935623	0.041184936	1.356.148.297	0.174688744	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.167057995	0.083417215	0.553380988	-0.367757252	-2.819.336.696	1
129	-0.176831413	0.454318983	0.070215657	0.033032417	0.146715749	0.004604482	-0.260162762	-0.269737862	-0.11753673	0.963318361	-0.219691167	-0.291605354	0.355222488	0.127669089	-0.045050976	-0.726074206	0.266172345	-3.759.703.076	1
130	-0.84340166	-0.422837603	-0.791387531	-0.767517934	-0.54501801	0.004604482	-0.56151046	-0.03746841	-0.701987679	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.156947521	-0.80282967	0.129741762	-0.81611695	-0.490652149	1
131	-0.183496555	0.35071097	-0.020947804	-0.067036377	-0.199151131	-0.611935623	-0.56151046	0.194801041	-0.007952178	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.555919019	-0.073257471	-0.704302302	-0.515729865	-3.903.732.091	1
132	-0.113137608	0.564008807	0.171524017	0.033032417	-0.54501801	0.004604482	-0.862858158	-0.734276764	0.065104191	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	0.036738836	0.740524364	-0.000856603	-3.796.046.333	1
133	-0.127266868	0.337533711	0.135544784	0.033032417	-0.54501801	-0.611935623	-0.862858158	-0.03746841	0.028576007	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.585354814	0.0261127	0.060904389	-0.097057434	-3.791.782.061	1
134	-0.043619689	-0.993543262	-0.08397675	0.133101211	1.184.316.386	-0.611935623	0.643880331	0.891609395	0.028576007	-0.813380379	-0.219691167	-0.291605354	-0.741992993	1.205.569.791	0.069799707	1.720.937.853	-0.194169505	-2.820.404.347	2
135	-1.096.291.576	-0.419145074	-1.180.178.198	-1.067.724.316	-0.890884889	-0.611935623	-0.56151046	-0.734276764	-0.994213154	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-1.134.010.881	-0.507561516	-0.956931321	-1.314.722.844	2
136	-0.449856927	0.197109014	-0.227818349	-0.367242759	-0.54501801	0.004604482	-0.862858158	0.427070492	-0.227121283	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.338237618	0.838932455	-0.715579286	-2.694.289.782	1
137	-0.408317184	-0.139830615	-0.36250945	-0.267173965	0.492582628	-0.611935623	0.041184936	-0.269737862	-0.300177652	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.584241567	-0.309555485	2.279.697.274	-0.327594154	-2.713.250.998	1

138	-0.198242568	-0.42334442	-0.239942004	-0.067036377	0.492582628	-0.611935623	0.041184936	-0.269737862	-0.11753673	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.167057995	-0.159822882	0.212314633	-0.129341368	-3.796.856.222	1
139	-0.463986186	0.116597407	-0.22962635	-0.367242759	-0.54501801	0.004604482	-0.862858158	0.427070492	-0.263649468	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.349819222	0.749510216	-0.668044247	-2.706.734.458	1
140	-0.969485677	-0.246573657	-0.862748352	-0.967655522	-0.54501801	-0.611935623	-0.862858158	-0.734276764	-0.994213154	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.938580533	0.51746077	-0.813251962	-1.445.011.049	1
141	0.040784415	0.360014694	0.24270906	0.233170005	-0.199151131	0.621144587	-0.56151046	-0.269737862	0.13816056	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.090028735	0.171542626	-0.393967674	0.27147731	-2.879.922.295	1
142	-0.941402372	-0.508417387	-0.806956434	-0.867586728	-0.54501801	0.004604482	-0.862858158	-0.269737862	-0.775044048	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.872720749	-0.1193771112	-0.91116048	-0.468101062	1
143	-0.611712641	-0.048118337	-0.478522889	-0.567380346	-0.199151131	-0.611935623	-0.56151046	-0.734276764	-0.665459495	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.673873968	-0.570756855	0.299537238	-0.190176873	-1.653.826.526	1
144	-0.387936288	-0.411325601	-0.467581968	-0.267173965	0.146715749	0.004604482	0.342532633	-0.269737862	-0.336705836	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.756620972	-0.395555673	0.513374261	-0.129233322	-1.745.907.172	2
145	-0.071653934	0.062874734	0.087841163	0.133101211	-0.199151131	0.004604482	-0.56151046	-0.03746841	-0.007952178	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.156947521	0.054019863	-0.615526639	0.312477197	-2.849.722.352	1
146	-0.646475105	-0.032587995	-0.457384336	-0.567380346	-0.54501801	0.004604482	-0.862858158	0.659339943	-0.446290389	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.55203087	-0.160485137	-0.875603138	-2.637.593.121	1
147	0.326509441	-0.27792395	-0.063727132	0.133101211	0.838449507	0.004604482	1.246.575.727	-0.03746841	0.13816056	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.629559986	0.156001872	0.26979916	0.216334676	-3.951.281.028	1
148	-0.113137608	0.564008807	0.171524017	0.033032417	-0.54501801	0.004604482	-0.862858158	-0.734276764	0.065104191	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	0.036738836	0.829494507	-0.091058385	-4.713.587.378	1
149	-0.281784618	0.510141329	0.043311588	-0.067036377	-0.890884889	-0.611935623	-1.164.205.856	-0.269737862	-0.190593099	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	-0.096388431	-0.542799578	-0.042207261	-4.692.503.939	1
150	0.882449547	0.84600216	1.156.764.385	1.033.720.357	-0.199151131	-0.611935623	-0.260162762	0.194801041	0.832196061	1.851.667.731	-0.219691167	-0.291605354	0.903830228	-0.223866307	0.965669867	-0.571052584	1.517.177.218	-5.010.576.791	1
151	-0.169367296	0.323234212	0.010114669	-0.067036377	-0.199151131	-0.611935623	-0.56151046	0.891609395	0.028576007	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.060772183	1.271.836.602	-0.464650929	-4.805.974.161	1
152	3.653.249.207	2.390.833.107	3.091.451.711	2.634.821.061	2.221.917.023	-0.611935623	1.849.271.123	553.699.842	2.950.830.751	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.724008652	2.903.812.142	2.946.879.063	0.720308863	-5.394.292.294	1
153	-0.155833764	0.196203983	0.005137642	0.033032417	-0.199151131	0.004604482	-0.56151046	-0.03746841	-0.081008546	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.322973877	-0.03688792	-0.699709066	0.203262233	-2.825.873.142	1
154	-0.17626372	0.212856563	0.01264336	-0.067036377	-0.54501801	0.004604482	-0.56151046	-0.734276764	0.028576007	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.330597536	-0.05875534	-0.733243828	-0.58872392	-281.950.432	2
155	-0.422502512	-0.201430682	-0.280848042	-0.267173965	-0.199151131	-0.611935623	-0.56151046	-0.269737862	-0.336705836	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.389892663	-0.327175487	-0.105745304	-0.211836674	-273.434.753	1
156	-0.056858861	0.062990578	0.122783306	-0.167105171	0.492582628	0.621144587	0.041184936	-0.269737862	-0.154064915	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.155198969	-0.058871835	0.820307949	-0.154551866	-2.856.925.458	1
157	-0.829251374	-0.036063316	-0.55604096	-0.66744914	-0.890884889	-0.611935623	-1.164.205.856	-0.502007313	-0.738515864	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.696739741	0.346088847	-0.526485298	-2.555.269.616	1
158	-0.039176261	0.458301122	-0.361580338	-0.467311552	-0.54501801	-0.611935623	0.342532633	-0.734276764	-0.482818573	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.673873968	-0.219900344	0.718909817	-0.394561299	-3.861.424.691	1
159	-0.324193423	-0.060209558	-0.164909935	-0.167105171	-0.199151131	-0.611935623	-0.56151046	-0.03746841	-0.227121283	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.389892663	-0.220278861	-0.451360864	-0.175284576	-2.792.724.534	1
160	0.981158124	-0.234446234	0.915707542	1.133.789.151	0.838449507	1.237.684.692	0.342532633	-0.269737862	116.094.972	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	1.061.355.572	1.059.290.147	-1.260.719.369	0.931387856	-3.112.109.244	1
161	-0.463986186	0.05588789	-0.282661065	-0.367242759	-0.54501801	0.004604482	-0.862858158	-0.734276764	-0.263649468	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.518436027	-0.355130145	-0.418231348	-0.658860426	-3.103.262.125	1
162	-0.454966168	-0.065531144	-0.516531102	-0.467311552	-0.199151131	-0.611935623	0.041184936	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.033274827	-0.479821408	0.446968039	-0.249512244	-27.612.723	1
163	-0.767330735	-0.208779539	-0.819657646	-0.967655522	-0.890884889	-0.611935623	-0.56151046	-0.502007313	-0.884628601	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.820952846	-0.23154476	-0.928682456	-1.621.664.713	1
164	-0.709888567	-0.112520382	-0.453770844	-0.567380346	-0.54501801	0.004604482	-0.862858158	-0.269737862	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.692086042	-0.591950448	-0.135132102	-0.540958365	-1.652.077.936	1
165	-0.449856927	0.241093548	-0.224674435	-0.367242759	-0.54501801	-0.611935623	-0.862858158	0.659339943	-0.227121283	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.751381169	-0.332874911	0.241385098	-0.794184719	-3.760.107.067	1
166	-0.430611417	0.315892596	-0.438872408	-0.567380346	-0.890884889	-0.611935623	-0.56151046	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.445976392	0.577177975	-0.37124544	-3.775.545.726	1
167	-0.794376773	-0.526662823	-0.65683203	-0.66744914	-0.199151131	0.621144587	-0.56151046	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.032585117	-0.728752872	0.456897239	-0.51044382	-0.622962848	1
168	-0.281497267	0.518033204	-0.072375406	-0.167105171	-0.54501801	-0.611935623	-0.862858158	-0.734276764	-0.081008546	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.585354814	-0.151963028	-0.736858138	-0.62883453	-3.845.829.996	2
169	-0.566787763	-0.071895326	-0.453878822	-0.567380346	-0.54501801	0.004604482	-0.56151046	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.395822175	-0.529334275	0.577177975	-0.365651531	-1.753.126.312	1
170	-0.430611417	0.315892596	-0.438872408	-0.567380346	-0.890884889	-0.611935623	-0.56151046	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.445976392	0.577177975	-0.37124544	-3.808.969.481	2
171	-0.122171644	0.069246156	-0.273068612	-0.267173965	-0.54501801	0.004604482	0.041184936	-0.269737862	-0.300177652	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.156947521	-0.188671472	0.274132476	-0.114568829	-291.914.164	1
172	0.689251547	0.585910571	0.756482863	0.733513975	0.146715749	0.621144587	0.041184936	-0.03746841	0.686083324	0.963318361	0.503076578	0.375846901	0.903830228	0.175316959	0.751151613	-3.480.485.298	0.526795356	-5.029.134.765	1
173	-0.454966168	-0.065531144	-0.516531102	-0.467311552	-0.199151131	-0.611935623	0.041184936	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.033274827	-0.479821408	0.361893554	-0.297759709	-2.811.828.673	1
174	-0.520503224	0.069970181	-0.320360411	-0.367242759	-0.54501801	-0.611935623	-0.862858158	-0.269737862	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.585354814	-0.401473805	0.242175355	-0.328176699	-2.785.256.582	1
175	-0.240034619	-0.196543512	-0.278372084	-0.167105171	-0.199151131	0.621144587	0.041184936	1.123.878.846	-0.081008546	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.632948279	-0.224834871	0.352559869	-0.570272641	-1.894.461.449	1
176	0.040987663	0.386007201	0.352841472	0.133101211	-0.54501801	0.621144587	-0.260162762	-0.269737862	-0.007952178	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.437328764	0.157101842	-0.982960028	0.166377706	-3.971.688.427	1
177	0.349840941	0.511227367	0.464400196	0.533376387	-0.199151131	-0.611935623	-0.56151046	-0.734276764	0.503442403	-0.813380379	1.225.844.322	2.378.203.668	1.452.437.969	-0.223866307	0.497048623	-1.346.508.823	0.460443208	-4.054.976.729	2
178	-0.697203071	-0.230934711	-0.868624357	-1.067.724.316	-0.890884889	-0.611935623	-0.862858158	-0.502007313	-0.994213154	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.934131369	-0.954109921	-0.966748002	-1.710.756.249	1
179	1.079.292	0.07511076	0.997876195	1.233.857.945	0.492582628	0.621144587	0.342532633	-0.269737862	1.234.006.089	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	0.632948279	1.144.046.437	-121.282.712	1.095.585.552	-3.203.737.155	1
180	-0.282092995	0.176800106	-0.059254839	-0.067036377	-0.54501801	-0.611935623	-0.862858158	-0.269737862	-0.227121283	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.585354814	-0.133393978	-0.47577292	0.070245655	-3.882.202.908	1
181	-0.618503937	0.279068672	-0.33970854	-0.467311552	-0.890884889	-0.611935623	-1.164.205.856	-0.269737862	-0.482818573	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.471364885	0.033841264	-0.487784918	-3.758.607.848	1
182	-0.00069926	0.712108172	0.346548621	0.133101211	-0.54501801	0.004604482	-0.862858158	0.891609395	0.211216928	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	0.161500703	1.479.672.202	-0.239779177	-3.985.352.266	1
183	0.054892648	-0.177465447	0.091474744	0.133101211	0.492582628	-0.611935623	0.041184936	1.588.417.748	0.247745113	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.001031639	0.110987661	0.481556086	-0.418683848	-2.015.948.507	1
184	-0.696067684	-0.416972998	-0.534108895	-0.567380346	-0.199151131	0.004604482	-0.56151046	-0.502007313	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.200360025	-0.616493539	0.20601227	-0.476253206	-0.748029368	1
185	-0.941402372	-0.456251368	-0.805198655	-0.867586728	-0.54501801	0.004604482	-0.862858158	-0.03746841	-0.775044048	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.872720749	-0.487984619	-0.93694639	-0.602799636	1
186	-0.675042001	-0.411796218	-0.570178528	-0.567380346	-0.199151131	-0.611935623	-0.56151046	-0.03746841	-0.555874942	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.606836918	1.007.967.377	-0.601447662	-1.758.481.787	1
187	-0.781459995	-0.163455558	-0.827743431	-0.967655522	-0.890884889	-0.611935623	-0.56151046	-0.502007313	-0.921156785	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.83253445	-0.12551673	-0.892267367	-1.706.753.006	1
188	-0.014625271	0.094695643	0.040197808	-0.067036377	0.146715749	-0.611935623	0.041184936	1.123.878.846	0.101632375	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.360456868	-0.030940615	2.107.844.354	-0.639324934	-3.016.846.171	1
189	-102.554.015	-0.510842871	-0.966457336	-116.779.311	-0.199151131	-0.611935623	-0.56151046	-0.734276764	-1.176.854.075	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-1.032.881.428	0.697830618	-0.914922323	-1.559.422.096	1
190	-0.604991431	-0.346090927	-0.524689709	-0.467311552	-0.199151131	-0.611935623	-0.56151046	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.389892663	-0.529387136	0.169003505	-0.377390796	-1.811.798.351	1
191	4.596.650.616	3.092.304.966	4.829.292.856	4.736.265.735	2.913.650.781	-0.611935623	2.150.618.821	4.143.381.712	5.142.521.809	-0.813380379	1.948.612.067	1.710.751.412	0.903830228	1.486.798.108	4.843.508.021	-3.480.485.104	2.623.305.158	-4.611.221.235	1
192	-0.113445985	0.23312927	0.059227025	0.033032417	-0.54501801	0.004604482	-0.56151046	0.194801041	0.028576007	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.156947521	-0.000266712	0.049268788	-0.072704274	-3.992.248.355	1
193	0.034098247	-0.211277426	0.147005506	0.033032417	1.184.316.386	0.621144587	0.643880331	0.427070492	0.065104191	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.381579294	0.059540192	0.21905025	-0.09933985	-3.047.039.957	1
194	-0.506682341	-0.192380367	-0.393684923	-0.367242759	-0.199151131	-0.611935623	-0.56151046	-0.269737862	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.389892663	-0.42249051	0.365077242	-0.237372023	-1.869.107.387	1
195	-0.654577002	-1.693.393.305	-0.762677971	-0.567380346	0.146715749	1.237.684.692	0.643880331	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	1.140.768.688	-0.728595241	1.276.122.935	-0.207210905	-1.807.646.076	1
196	0.812490089	0.112760073	0.787655825	0.933651563	1.184.316.386	-0.611935623	0.643880331	1.588.417.748	0.978308799	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.724008652	0.86898637	3.052.494.701	0.332126699	-4.226.234.297	2
197	-0.604374677	0.20615933	-0.374763683	-0.467311552	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.446290389	-0.813380379	0.503076578	1.043.299.157	0.355222488	-0.94684332	-0.464121491	-0.755300867	-0.460583485	-4.670.405.271	1
198	1.107.774.793	0.556848198	1.424.310.963	1.333.926.739	0.492582628	-0.611935623	0.041184936	0.891609395	1.270.534.273	0.963318361	0.503076578	0.375846901	0.903830228	-0.252666797	1.304.924.456	-1.115.548.725	1.192.535.177	-5.133.233.152	1
199	0.229363773	-2.193.622.348	0.067601588	0.333238799	2.221.917.023	3.087.305.008	2.451.966.519	-0.734276764	0.284273297	0.963318361	-0.219691167	-0.291605354	0.355222488	3.612.740.181	0.106793811	-348.048.545	0.610620632	-4.975.513.502	1
200	0.01343	0.569837211	0.313502369	0.133101211	-0.54501801	0.004604482	-0.862858158	1.123.878.846	0.247745113	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	0.17943791	1.018.939.921	-0.394155606	-4.953.059.619	1
201	0.413303464	1.447.935.029	0.913455073	0.633445181	-0.54501801	0.004604482	-0.862858158	-0.03746841	0.576498771	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.692086042	0.643509938	-3.480.485.374	0.370265306	-5.087.662.615	2
202	2.498.511.642	3.154.571.137	2.977.949.385	2.734.889.855	-0.199151131	-0.611935623	-0.56151046	-0.734276764	2.877.774.383	-0.813380379	4.839.683.045	504.801.269	3.646.868.931	-0.389892663	2.836.289.114	-3.480.485.537	2.067.031.284	-5.438.370.605	1
203	-0.154929659	0.621351607	0.120548415	-0.067036377	-0.54501801	0.004604482	-0.862858158	1.588.417.748	0.101632375	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.017547739	0.168094209	-0.703376773	-5.000.794.033	1
204	0.448745758	1.007.039.855	0.736896179	0.533376387	-0.199151131	0.621144587	-0.56151046	2.982.034.456	0.759139693	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.090028735	0.597452608	0.449286329	-0.503695277	-5.156.094.631	1
205	-0.507775677	0.071345829	-1.061.477.867	-0.567380346	-0.890884889	-0.611935623	0.643880331	-0.734276764	-0.482818573	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.758861935	2.148.003.554	-0.629761101	-2.888.798.283	1
206	-0.854881683	-0.214064923	-1.059.745.199	-0.967655522	-0.890884889	-0.611935623	-0.260162762	-0.734276764	-0.884628601	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.960971696	0.387883531	-0.916754389	-1.723.390.854	1

207	-1.194.600.665	-0.559786978	-1.295.563.859	-116.779.311	-0.890884889	-0.611935623	-0.56151046	-0.734276764	-1.103.797.707	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-1.240.907.508	-1.391.327.532	-0.973713048	-1.437.441.792	1
208	-0.136300903	0.005568135	-0.297998946	-0.267173965	-0.199151131	-0.611935623	0.041184936	-0.269737862	-0.336705836	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.223866307	-0.199297608	0.365410658	-0.188944149	-4.028.793.779	1
209	0.560280002	0.227699081	0.613479977	0.733513975	0.146715749	0.004604482	-0.260162762	-0.734276764	0.722611509	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	0.204540986	0.684462465	-1.271.630.938	0.633065943	-2.213.096.942	1
210	-0.455793178	-0.151690148	-0.741913574	-0.967655522	-0.890884889	-0.611935623	-0.56151046	-0.269737862	-0.884628601	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.761092183	-0.677944809	-0.941241411	-1.940.151.412	1
211	-0.399969987	-0.637836899	-0.757366966	-0.767517934	-0.199151131	0.621144587	0.342532633	-0.734276764	-0.665459495	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.090028735	-0.593775856	1.049.919.387	-0.823542926	1.037.167.298	1
212	-0.282730774	-0.593924768	-0.418120567	-0.167105171	0.146715749	1.237.684.692	0.342532633	-0.269737862	-0.227121283	0.074968991	-0.219691167	-0.291605354	-0.193385253	1.061.355.572	-0.303824334	0.694531562	-0.040111199	-2.005.111.367	1
213	-0.267368008	0.442662176	-0.047269294	-0.167105171	-0.54501801	0.004604482	-0.862858158	-0.734276764	-0.044480362	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.518436027	-0.141336892	-0.783684445	-0.702584063	-3.989.117.726	1
214	1.460.831.067	0.815860989	0.699829634	0.533376387	0.492582628	-0.611935623	2.150.618.821	2.052.956.651	0.759139693	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.001031639	0.964194457	2.848.685.923	-0.302269262	-4.376.704.974	1
215	-0.287510613	0.440779711	-0.432017069	-0.567380346	-0.890884889	-0.611935623	-0.260162762	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.379833833	0.674608511	-0.424004891	-4.003.482.074	1
216	-0.478115446	0.026963081	-0.283263733	-0.367242759	-0.54501801	0.004604482	-0.862858158	-0.502007313	-0.300177652	-0.813380379	-0.219691167	0.375846901	-0.193385253	-0.518436027	-0.366711749	-0.106772291	-0.506742745	-194.099.707	1
217	-0.275497939	-0.295843574	-0.313281582	-0.167105171	0.492582628	-0.611935623	0.342532633	-0.03746841	-0.190593099	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.357649475	-0.267307497	0.582104979	-0.07542854	-301.732.508	2
218	0.410850467	-0.188470631	-0.065828934	-0.267173965	-0.199151131	0.004604482	0.041184936	0.194801041	-0.227121283	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.135135385	-0.076882226	0.683418101	-0.468926162	-3.203.337.363	1
219	-0.415550019	-0.609049656	-0.266363939	-0.267173965	-0.199151131	1.237.684.692	0.041184936	-0.734276764	-0.336705836	0.963318361	-0.219691167	-0.291605354	0.355222488	0.634430657	-0.378708106	0.249406311	0.245043121	-1.977.138.482	2
220	-0.534345133	0.037063234	-0.426894397	-0.467311552	-0.199151131	-0.611935623	-0.56151046	-0.502007313	-0.336705836	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.555919019	-0.461975698	1.077.815.183	-0.755408564	-293.204.037	1
221	-0.324193423	-0.060209558	-0.164909935	-0.167105171	-0.199151131	-0.611935623	-0.56151046	-0.03746841	-0.227121283	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.389892663	-0.220278861	-0.233239286	-0.175284576	-3.013.046.764	2
222	-0.499582669	-0.303952657	-0.407566357	-0.467311552	-0.199151131	0.004604482	-0.260162762	-0.734276764	-0.555874942	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.250972651	-0.498496227	0.447883373	0.139876112	-1.947.289.546	1
223	-0.014828519	0.502756272	0.16048014	0.133101211	-0.54501801	-0.611935623	-0.862858158	-0.734276764	0.174688744	-0.813380379	1.948.612.067	1.710.751.412	0.903830228	-0.585354814	0.134941796	-0.745816837	0.004358349	-4.097.612.213	1
224	-0.562295275	0.183424937	-0.367104787	-0.467311552	-0.54501801	-0.611935623	-0.862858158	0.659339943	-0.373234021	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-0.45576038	0.151043057	-0.738841119	-2.930.311.379	1
225	-0.28270274	-0.223651017	-0.356286911	-0.167105171	0.492582628	-0.611935623	0.643880331	-0.269737862	-0.227121283	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.880293666	-0.299873172	0.699194254	0.066755275	-3.040.285.322	1
226	-0.071955302	-0.483112704	-0.093476292	0.033032417	0.838449507	1.237.684.692	0.643880331	0.427070492	0.028576007	0.074968991	-0.219691167	-0.291605354	-0.193385253	1.078.297.036	-0.077928596	0.117034892	0.008607399	-211.058.971	1
227	-0.815122115	-0.045533567	-0.57153453	-0.66744914	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.685158137	0.530077024	-0.544679173	-281.916.776	1
228	-0.815122115	-0.045533567	-0.57153453	-0.66744914	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.685158137	0.399064665	-0.592926638	-281.916.776	1
229	-0.211755074	-0.00033267	-0.068633847	-0.067036377	-0.199151131	-0.611935623	-0.56151046	0.194801041	-0.081008546	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.389892663	-0.101800631	-0.592359916	-0.204891417	-3.079.764.438	1
230	-0.211446697	0.444906655	0.037084027	-0.067036377	-0.54501801	-0.611935623	-0.862858158	-0.269737862	-0.044480362	-0.813380379	-0.219691167	0.375846901	-0.193385253	-0.585354814	-0.06822961	0.308003521	-0.16370793	-3.079.863.818	1
231	-0.260135173	0.45594804	0.062471384	-0.167105171	-0.54501801	-0.611935623	-0.862858158	1.356.148.297	-0.007952178	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.878230388	-0.108227505	0.146970952	-0.732139028	-4.045.287.835	1
232	-0.435552453	0.447440743	-0.172066609	-0.467311552	-0.54501801	0.004604482	-0.862858158	0.427070492	-0.336705836	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.33830663	0.41352492	-0.782029955	-3.990.160.109	1
233	1.059.443.754	12.090.791	0.579697968	0.333238799	0.492582628	-0.611935623	0.945228029	0.891609395	0.39385785	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.194430512	0.571537179	0.166925	0.261258875	-4.365.622.838	1
234	-0.365677097	0.413701166	-0.136986354	-0.267173965	-0.54501801	-0.611935623	-0.862858158	1.123.878.846	-0.154064915	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-0.241967128	0.290951101	-0.704024129	-4.027.084.465	1
235	-0.604683054	-0.04045815	-0.410778072	-0.467311552	-0.54501801	0.004604482	-0.862858158	-0.734276764	-0.482818573	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	-0.497744296	0.795274945	-0.354480059	-1.935.500.888	2
236	-0.815122115	-0.045533567	-0.57153453	-0.66744914	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.685158137	0.456897239	-0.534190593	-2.832.869.038	2
237	-1.138.104.653	-1.103.276.529	-1.294.458.969	-116.779.311	-0.199151131	-0.611935623	-0.260162762	-0.734276764	-1.176.854.075	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.223866307	-1.201.744.142	0.697830618	-0.914922323	-3.602.667.578	1
238	-0.499757883	-0.078766325	-0.404434999	-0.367242759	-0.199151131	-0.611935623	-0.260162762	-0.502007313	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.033274827	-0.439067341	0.707546584	-0.158712149	-3.003.359.989	1
239	0.124964244	0.212060135	0.315767393	0.333238799	-0.199151131	-0.611935623	-0.56151046	0.427070492	0.211216928	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.389892663	0.273175823	-1.272.624.889	0.352630646	-4.188.747.793	1
240	0.166735269	-0.020641579	0.219089527	0.333238799	0.492582628	-0.611935623	0.041184936	0.659339943	0.247745113	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.167057995	0.244600415	0.239472304	0.192230546	-3.221.135.687	1
241	-0.562295275	-0.085333234	-0.398599171	-0.467311552	-0.54501801	0.004604482	-0.862858158	-0.734276764	-0.373234021	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.518436027	-0.462026771	-0.26941328	-0.685230164	-1.991.659.848	1
242	-0.709888567	-0.2449446	-0.449670196	-0.567380346	-0.54501801	-0.611935623	-0.862858158	-0.502007313	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.878230388	-0.588424062	0.163382228	-0.513816982	-1.922.073.697	2
243	-0.632941573	-0.192054556	-0.430309512	-0.467311552	-0.54501801	-0.611935623	-0.862858158	-0.269737862	-0.555874942	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.585354814	-0.519952036	0.048923196	-0.355618235	-1.968.818.258	1
244	-0.499757883	-0.390473674	-0.408450269	-0.367242759	-0.199151131	0.621144587	-0.260162762	-0.502007313	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.097809757	-0.441542154	0.020177732	-0.272951173	-1.033.323.213	1
245	-0.548166016	0.108633129	-0.34144623	-0.467311552	-0.54501801	0.004604482	-0.862858158	0.891609395	-0.336705836	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.445134244	-0.09329131	-0.856422569	-3.013.011.871	1
246	0.335690656	0.343289711	0.352278982	0.433307593	0.492582628	-0.611935623	0.041184936	-0.734276764	0.539970587	-0.813380379	0.503076578	0.375846901	-0.193385253	0.167057995	0.410377773	-0.645148593	-0.318900405	-4.261.695.179	1
247	0.228676934	0.746499371	0.149827997	0.133101211	-0.199151131	0.004604482	0.041184936	-0.269737862	0.028576007	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.322973877	0.202293825	-0.622667691	0.402716095	-4.239.393.124	1
248	0.089311693	-155.673.354	0.047964682	0.233170005	2.913.650.781	2.470.764.902	2.150.618.821	-0.269737862	0.13816056	0.963318361	-0.219691167	-0.291605354	0.355222488	3.149.814.653	0.063117038	-0.53134625	0.309804301	-4.225.336.978	1
249	-0.871043425	0.056973928	-0.663617058	-0.767517934	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.701987679	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.94684332	-0.756337239	-0.76454575	-0.863946254	-3.845.934.801	1
250	-0.927889866	-0.734892484	-0.985918464	-0.867586728	0.146715749	-0.611935623	-0.260162762	-0.734276764	-0.811572232	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.194430512	-0.925380294	0.342396621	-0.858352345	0.185260351	1
251	-0.380114733	0.003323657	-0.273641146	-0.267173965	-0.199151131	-0.611935623	-0.56151046	-0.269737862	-0.227121283	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.389892663	-0.291457963	-0.549499236	-0.482784005	-3.088.564.823	1
252	-0.310064163	0.036447812	-0.189091958	-0.167105171	-0.199151131	-0.611935623	-0.56151046	0.194801041	-0.190593099	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.389892663	-0.208697257	-0.525148879	-0.270844763	-3.117.444.335	1
253	-0.072572056	-0.44455836	-0.300482437	0.033032417	0.838449507	0.004604482	1.246.575.727	-0.03746841	-0.044480362	0.074968991	-0.219691167	-0.291605354	-0.193385253	1.670.189.465	-0.149464878	0.853134847	0.069639475	-2.207.649.723	1
254	-0.920453782	-1.352.449.817	-0.868034245	-0.967655522	-0.199151131	1.237.684.692	0.041184936	-0.734276764	-0.921156785	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.409956247	-0.934784208	0.162288226	-0.863505113	-0.845760907	1
255	-0.113137608	0.586127779	0.153022133	0.033032417	-0.54501801	-0.611935623	-0.862858158	-0.03746841	0.065104191	-0.813380379	-0.219691167	0.375846901	-0.193385253	-0.585354814	0.038667017	0.226746757	-0.127507043	-4.187.455.475	2
256	-0.528920506	0.204240663	-0.55782385	-0.66744914	-0.890884889	-0.611935623	-0.56151046	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.552873019	0.456897239	-0.516037729	-3.072.159.801	2
257	-0.618812313	-0.054272551	-0.442274967	-0.467311552	-0.54501801	-0.611935623	-0.862858158	-0.269737862	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.585354814	-0.508370432	0.169003505	-0.384465204	-2.048.500.068	1
258	-0.422194135	0.132996579	-0.204572972	-0.267173965	-0.54501801	-0.611935623	-0.862858158	-0.502007313	-0.300177652	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.585354814	-0.294577179	0.35605505	-0.242880434	-3.130.955.276	1
259	-0.386969106	0.191747607	-0.292959141	-0.467311552	-0.199151131	0.004604482	-0.260162762	-0.734276764	-0.555874942	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.612461158	-0.396785334	0.367290925	0.033591841	-3.151.504.892	2
260	-0.730942285	0.105157808	-0.440102854	-0.567380346	-0.890884889	-0.611935623	-1.164.205.856	-0.502007313	-0.628931311	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.589843115	0.333817005	-0.431710186	-3.008.082.322	1
261	-0.408373252	-0.108574445	-0.254034373	-0.267173965	-0.199151131	0.004604482	-0.56151046	-0.03746841	-0.300177652	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.322973877	-0.316549351	0.305805707	-0.200600637	-2.153.177.924	1
262	-0.113137608	0.473831463	0.098782084	0.033032417	-0.54501801	-0.611935623	-0.862858158	-0.734276764	0.065104191	-0.813380379	-0.219691167	1.043.299.157	0.355222488	-0.585354814	0.033356093	-0.158459245	-0.018286497	-3.265.342.251	2
263	0.658280715	0.11782825	0.790935339	0.833582769	0.492582628	0.621144587	0.041184936	1.123.878.846	0.795667877	0.963318361	-0.219691167	-0.291605354	0.355222488	0.300895567	0.770888975	-0.756383288	0.512915034	-3.451.790.553	1
264	2.509.536.109	-1.301.225.031	1.895.154.772	2.634.821.061	3.951.251.418	4.320.385.218	3.054.661.914	0.659339943	2.622.077.092	0.963318361	1.225.844.322	1.710.751.412	2.001.045.709	3.819.214.284	238.601.854	-1.675.726.887	2.479.152.705	-2.722.438.715	1
265	0.391611967	0.319650287	0.452171074	0.533376387	0.492582628	-0.611935623	0.041184936	0.659339943	0.539970587	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.167057995	0.481556875	0.122048838	0.194140532	-4.383.890.265	1
266	1.738.762.573	0.25003526	1.600.839.725	1.834.270.709	1.876.050.144	0.621144587	1.849.271.123	2.749.765.005	1.964.569.775	-0.813380379	-0.219691167	-0.291605354	-0.741992993	1.790.473.866	1.757.237.484	1.588.406.543	0.983651857	-4.619.923.834	1
267	0.925587242	1.670.268.701	1.497.221.141	1.233.857.945	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	1.051.365.167	1.851.667.731	-0.219691167	1.043.299.157	2.001.045.709	-0.94684332	1.229.076.055	-3.480.485.531	1.433.225.212	-351.623.781	1
268	0.040476038	0.11583718	0.125357197	0.233170005	0.146715749	0.004604482	-0.260162762	-0.03746841	0.101632375	0.963318361	-0.219691167	-0.291605354	0.355222488	0.03851463	0.139899785	-0.973734278	0.385273167	-3.324.981.323	1
269	-0.211446697	0.392740636	0.035326248	-0.067036377	-0.54501801	-0.611935623	-0.862858158	-0.269737862	-0.044480362	-0.813380379	-0.219691167	0.375846901	-0.193385253	-0.585354814	-0.06822961	0.181364098	-0.19376606	-3.258.677.936	2
270	-1.040.019.838	-0.814499059	-102.921.006	-0.967655522	-0.199151131	-0.611935623	-0.56151046	-0.269737862	-0.921156785	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-1.011.260.216	-0.407868448	-0.908490456	0.151494188	1
271	-0.03616258	0.45739609	0.258330696	0.133101211	-0.199151131	0.004604482	-0.56151046	-0.269737862	0.101632375	0.074968991	-0.219691167	0.375846901	0.355222488	-0.496623891	0.106835101	-0.390527273	0.227877168	-3.332.762.335	1
272	-0.562295275	0.183424937	-0.367104787	-0.467311552	-0.54501801	-0.611935623	-0.862858158	0.891609395	-0.373234021	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-0.45576038	-0.021411364	-0.788069023	-3.148.706.476	1
273	-0.927581489	-0.969476663	-0.885684862	-0.867586728	-0.199151131	0.621144587	-0.56151046	-0.03746841	-0.775044048	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.090028735	-0.89910016	-0.487984619	-0.932444299	1.045.169.179	1
274	-0.913760606	-1.483.281.179	-0.966723514	-0.867586728	0.146715749	1.237.684.692	-0.260162762	-0.269737862	-0.775044048	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.338378558	-0.925479572	0.043060972	-0.910881161	1.035.768.663	1
275	-0.275806316	-0.517902117	-0.425776952	-0.167105171	0.492582628	0.621144587	0.643880331	-0.269737862	-0.227121283	0.074968991	-0.219691167	-0.291605354	-0.193385253	1.185.028.265	-0.315038458	0.699194254	0.062253183	-2.262.733.408	1

276	0.470086827	0.983038418	0.275634779	0.233170005	-0.199151131	0.004604482	0.342532633	-0.269737862	0.13816056	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.322973877	0.37533301	-0.522340706	0.433678857	-446.171.607	1
277	-0.253238748	0.532296502	0.006368088	-0.167105171	-0.54501801	0.004604482	-0.862858158	1.588.417.748	-0.007952178	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.124444365	0.048133607	-0.782292909	-4.984.746.451	2
278	0.097609829	0.716343719	0.307631386	0.233170005	-0.54501801	-0.611935623	-0.862858158	-0.734276764	0.320801481	-0.813380379	1.948.612.067	1.710.751.412	0.903830228	-0.751381169	0.257827266	-0.950783722	-0.093422017	-5.099.487.786	1
279	0.111500798	0.456961675	0.243314238	0.033032417	0.492582628	0.004604482	0.041184936	-0.269737862	-0.007952178	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.41911669	0.122324484	-0.721878361	0.203933815	-5.136.722.389	1
280	1.262.243.483	0.76369497	1.293.017.399	1.333.926.739	1.184.316.386	-0.611935623	0.643880331	367.884.281	1.562.759.748	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.557982297	1.347.306.529	108.299.066	-0.004656753	-5.420.152.134	1
281	5.598.951.973	3.405.192.476	6.016.057.609	6.037.160.057	2.567.783.902	2.470.764.902	1.849.271.123	2.285.226.102	5.836.557.311	362.836.647	-0.219691167	1.043.299.157	309.826.119	3.002.635.677	5.937.969.223	-3.480.485.399	7.430.746.395	-5.827.328.879	1
282	0.461837751	0.452364115	0.561643063	0.533376387	0.492582628	-0.611935623	0.041184936	0.659339943	0.430386034	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.194430512	0.529069281	-0.966329691	0.636705942	-5.284.725.265	1
283	0.630022196	0.469668318	0.717018205	0.833582769	0.492582628	-0.611935623	0.041184936	0.659339943	0.722611509	0.963318361	-0.219691167	-0.291605354	0.355222488	0.167057995	0.749636703	-1.147.441.824	0.669021253	-5.422.780.359	1
284	-0.387298509	0.322872199	-0.072106717	-0.167105171	-0.890884889	0.004604482	-0.862858158	-0.734276764	-0.336705836	1.851.667.731	-0.219691167	-0.291605354	0.903830228	-0.612461158	-0.251142043	-0.099901149	0.45309525	-521.042.762	1
285	0.756589804	0.809598171	0.812164292	0.933651563	0.492582628	-0.611935623	0.041184936	0.194801041	0.90525243	0.074968991	1.225.844.322	1.043.299.157	0.903830228	0.167057995	0.875358327	-1.349.362.883	0.466723059	-5.512.605.542	1
286	0.209144074	0.382459477	0.449609738	0.433307593	-0.199151131	-0.611935623	-0.56151046	0.427070492	0.284273297	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.389892663	0.368490845	-1.245.747.559	0.500137484	-5.401.939.627	1
287	3.241.986.831	2.413.277.889	3.579.908.469	3.435.371.413	1.530.183.265	0.004604482	0.945228029	1.356.148.297	3.644.866.253	0.074968991	1.225.844.322	1.043.299.157	0.903830228	0.732691153	350.106.947	-0.666060093	2.466.542.196	-5.835.720.369	1
288	1.038.200.805	0.584390118	0.628581813	0.633445181	-0.199151131	0.004604482	0.643880331	0.194801041	0.503442403	0.963318361	-0.219691167	-0.291605354	0.355222488	0.030890971	0.719395557	-0.322677728	0.992736516	-5.569.345.786	1
289	-0.014828519	0.675660741	0.290475459	0.133101211	-0.54501801	0.004604482	-0.862858158	-0.734276764	0.174688744	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	0.143635462	1.007.255.059	0.008344374	-5.462.311.288	1
290	0.097609829	1.001.826.874	0.389016571	0.233170005	-0.54501801	-0.611935623	-0.862858158	-0.734276764	0.320801481	-0.813380379	-0.219691167	0.375846901	-0.193385253	-0.585354814	0.264041874	-0.68161692	-0.372898745	-5.560.732.278	1
291	-0.576116158	0.376305262	-0.319318299	-0.467311552	-0.890884889	-0.611935623	-1.164.205.856	-0.502007313	-0.373234021	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.94684332	-0.43564736	-0.589295421	-0.740288888	-5.354.573.108	1
292	0.794485095	0.850650402	0.835392091	0.833582769	0.492582628	-0.611935623	0.342532633	1.123.878.846	0.795667877	0.963318361	-0.219691167	-0.291605354	0.355222488	0.078538841	0.845632033	-1.038.432.713	0.863891405	-5.747.969.532	1
293	-0.183475529	0.74132259	0.183080161	0.033032417	-0.890884889	-0.611935623	-1.164.205.856	-0.269737862	-0.081008546	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.010508195	-0.510813209	0.164077493	-5.609.857.774	1
294	1.469.724.931	1.015.583.353	0.062873162	1.233.857.945	-0.199151131	-0.611935623	3.356.009.612	1.123.878.846	1.453.175.195	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	0.848688068	3.945.780.179	0.630562489	-6.058.168.846	1
295	-0.05662057	0.81473875	0.2382443	0.033032417	-0.54501801	0.004604482	-0.862858158	2.052.956.651	0.211216928	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	0.089348887	0.111814077	-0.731057847	-5.787.142.557	1
296	1.612.384.196	2.270.717.318	1.818.229.324	1.734.201.915	0.492582628	-0.611935623	0.342532633	1.356.148.297	1.635.816.116	1.851.667.731	-0.219691167	-0.291605354	0.903830228	0.001031639	1.692.268.461	-1.092.586.876	1.535.340.782	-6.137.134.395	1
297	0.293989717	0.650348818	0.422105513	0.233170005	0.492582628	0.004604482	0.041184936	-0.03746841	0.174688744	0.963318361	0.503076578	0.375846901	0.903830228	-0.41911669	0.31922521	-1.385.943.017	0.293657412	-591.714.268	1
298	6.892.949.651	8.807.905.062	8.306.336.171	7.338.054.378	0.492582628	1.854.224.797	0.041184936	1.111.146.525	7.516.853.789	2.740.017.101	-0.219691167	-0.291605354	1.452.437.969	0.766785851	7.584.412.125	-348.048.493	5.395.673.154	-6.597.038.826	1
299	2.511.407.395	2.355.536.876	2.860.404.166	2.734.889.855	1.184.316.386	-0.611935623	0.643880331	3.446.573.359	276.818.983	0.963318361	-0.219691167	-0.291605354	0.355222488	0.557982297	2.732.368.514	-3.480.485.143	1.687.052.964	-6.421.608.413	1
300	-0.07074983	0.820675757	0.188956166	0.033032417	-0.54501801	-0.611935623	-0.862858158	18.206.872	0.174688744	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.681497627	0.077819067	-1.410.180.067	-0.619771035	-5.984.684.801	1
301	1.514.979.212	2.494.079.107	1.815.479.654	1.534.064.327	0.146715749	-0.611935623	0.041184936	3.911.112.261	1.708.872.485	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.360456868	1.626.941.859	-0.707035711	0.289592935	-6.382.029.914	1
302	-0.424205592	-1.159.641.894	-1.100.176.636	-0.767517934	0.146715749	0.621144587	0.945228029	-0.734276764	-0.701987679	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.994436785	-0.653806326	-3.480.485.681	-0.696011948	-5.961.394.278	1
303	0.15260601	-0.005871464	0.199653509	0.333238799	0.492582628	-0.611935623	0.041184936	-0.269737862	0.211216928	0.963318361	-0.219691167	-0.291605354	0.355222488	0.167057995	0.221106493	-0.306962061	0.587589624	-6.211.736.201	2
304	0.124347491	-0.201285877	0.110549161	0.333238799	0.492582628	0.621144587	0.041184936	-0.734276764	0.13816056	0.963318361	-0.219691167	0.375846901	0.903830228	0.632948279	0.18753563	-0.398017708	0.811248625	-6.253.493.517	1
305	-0.071037181	0.962005485	0.337739636	0.133101211	-0.890884889	-0.611935623	-1.164.205.856	-0.269737862	0.065104191	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.123357742	0.087972225	0.395702795	-6.230.113.619	1
306	0.971990926	1.339.512.248	0.605939103	0.333238799	-0.54501801	-0.611935623	-0.56151046	2.517.495.554	0.503442403	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	0.52543463	0.516976325	-0.528491351	-6.478.515.993	1
307	0.560567353	0.938728073	0.620164561	0.633445181	0.492582628	-0.611935623	0.041184936	0.194801041	0.832196061	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.164994717	0.6537738	0.194302617	-0.092882617	-6.480.660.768	1
308	-0.126958491	0.831174123	0.202566401	0.033032417	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	0.065104191	-0.813380379	0.503076578	1.043.299.157	0.355222488	-0.94684332	0.058780037	-0.76876096	-0.161462682	-6.337.261.665	1
309	0.082884842	0.720253456	0.40292814	0.333238799	-0.54501801	-0.611935623	-0.862858158	-0.03746841	0.13816056	1.851.667.731	-0.219691167	-0.291605354	0.903830228	-0.751381169	0.263524239	-11.938.187	0.819360427	-6.477.673.979	2
310	0.111451738	1.051.567.408	0.482881991	0.333238799	-0.890884889	-0.611935623	-1.164.205.856	-0.269737862	0.247745113	0.074968991	-0.219691167	1.043.299.157	0.903830228	-0.94684332	0.326859864	-125.941.107	0.236965928	-6.591.929.049	1
311	0.519672398	0.160871551	0.391527685	0.133101211	0.492582628	-0.611935623	1.246.575.727	-0.734276764	0.284273297	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.164994717	0.20649187	0.32819574	-0.407450063	-6.953.686.491	1
312	1.099.644.862	-0.711072053	1.281.762.588	1.333.926.739	1.876.050.144	0.621144587	1.246.575.727	0.194801041	1.124.421.536	2.740.017.101	-0.219691167	-0.291605354	1.452.437.969	1.901.016.924	1.105.707.066	-0.605127126	2.851.909.004	-7.323.792.769	1
313	4.209.483.673	3.545.110.355	4.547.385.221	4.536.128.147	325.951.766	1.237.684.692	2.451.966.519	553.699.842	4.448.486.308	2.740.017.101	-0.219691167	-0.291605354	1.452.437.969	2.307.188.544	446.118.562	-1.579.702.844	3.653.999.556	-8.216.478.376	1
314	1.339.288.597	1.429.718.554	169.138.043	1.634.133.121	0.492582628	-0.611935623	0.041184936	1.123.878.846	1.453.175.195	0.963318361	0.503076578	0.375846901	0.903830228	0.324825386	1.594.950.772	-1.477.152.265	1.695.327.616	-8.386.094.856	1
315	0.516420426	-1.674.098.032	-0.097295696	0.533376387	1.876.050.144	-0.611935623	365.735.731	0.194801041	0.576498771	-0.813380379	0.503076578	0.375846901	-0.193385253	2.981.882.383	0.292266152	0.381826888	0.003648921	-482.511.681	1
316	-0.787326161	-1.026.964.268	-0.924677431	-0.867586728	0.146715749	-0.611935623	0.041184936	-0.502007313	-0.775044048	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.028404156	-0.90532095	1.445.779.636	-0.671641961	-0.041921413	1
317	0.826640374	0.412144512	0.924235283	1.033.720.357	0.492582628	-0.611935623	0.041184936	1.123.878.846	0.941780614	0.963318361	1.225.844.322	1.043.299.157	1.452.437.969	-0.025227631	0.961622588	-1.673.523.745	0.797950515	-4.799.620.032	2
318	-0.063516994	0.738390288	0.294347596	0.033032417	-0.54501801	-0.611935623	-0.862858158	18.206.872	0.211216928	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.878230388	0.105565747	0.18715124	-0.674015344	-4.426.122.744	1
319	0.116546962	0.853075887	0.108022981	0.033032417	-0.54501801	-0.611935623	-0.260162762	-0.269737862	-0.081008546	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.751381169	0.12177661	-0.689254734	0.281222654	-5.387.355.317	1
320	-0.113137608	0.53396176	0.151264354	0.033032417	-0.54501801	-0.611935623	-0.862858158	-0.269737862	0.065104191	-0.813380379	-0.219691167	0.375846901	-0.193385253	-0.585354814	0.038667017	0.358056774	-0.091342388	-3.992.340.979	2
321	0.377202365	-0.328497113	0.392265952	0.533376387	0.492582628	0.621144587	0.643880331	0.659339943	0.466914218	0.074968991	-0.219691167	-0.291605354	-0.193385253	1.008.625.262	0.422201314	-0.208906513	0.376810214	-312.750.109	1
322	0.70769808	0.392994044	-0.276177371	-0.567380346	-0.890884889	-0.611935623	-0.862858158	0.194801041	-0.446290389	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.441102295	1.412.596.762	-0.848680163	-5.412.894.457	1
323	0.279082507	0.367653161	0.664736824	0.433307593	-0.890884889	-0.611935623	-0.862858158	-0.03746841	0.211216928	1.851.667.731	-0.219691167	-0.291605354	0.903830228	-0.94684332	0.404542202	-0.766985862	0.483385601	-62.013.011	1
324	0.897931459	119.503.301	1.299.164.604	1.033.720.357	0.146715749	0.004604482	-0.260162762	3.214.303.907	1.197.477.905	-0.813380379	-0.219691167	0.375846901	-0.193385253	-0.188077463	1.094.996.802	-115.347.185	0.002931706	-3.845.830.759	1
325	0.519104705	1.676.546	0.935861738	0.633445181	-0.54501801	-0.611935623	-0.862858158	3.214.303.907	0.832196061	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.751381169	0.724509748	0.288485622	-0.427579131	-4.799.983.961	1
326	1.053.346.306	2.887.731.633	1.744.515.589	1.133.789.151	-0.890884889	-0.611935623	-1.164.205.856	1.356.148.297	1.526.231.563	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	1.342.268.768	-3.480.485.839	-0.421792918	-3.270.406.298	1
327	-1.067.661.604	-0.165338024	-0.843011	-0.967655522	-0.890884889	-0.611935623	-1.164.205.856	-0.502007313	-0.921156785	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.964819568	-0.12551673	-0.905845891	-2.544.904.806	1
328	1.677.178.345	0.991364709	1.066.186.013	1.634.133.121	1.530.183.265	-0.611935623	2.451.966.519	0.891609395	1.562.759.748	0.963318361	-0.219691167	-0.291605354	0.355222488	1.276.088.639	1.464.522.049	-0.509435115	1.844.851.884	-6.623.038.672	1
329	-0.772734336	0.266289626	-0.444472191	-0.66744914	-0.890884889	-0.611935623	-1.164.205.856	-0.502007313	-0.592403126	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.638818766	-3.480.485.681	-0.84979744	-4.669.843.542	1
330	2.132.258.247	0.592607805	2.041.143.372	2.134.477.091	1.530.183.265	3.703.845.113	1.849.271.123	367.884.281	2.512.492.539	-0.813380379	-0.219691167	-0.291605354	-0.741992993	313.647.325	2.115.562.512	-3.480.485.926	0.310314763	-5.418.373.857	1
331	-0.506479093	-0.07375245	-0.381508534	-0.467311552	-0.54501801	0.621144587	-0.260162762	-0.734276764	-0.555874942	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.278078995	-0.471205593	0.367290925	0.033591841	-2.176.687.281	1
332	1.446.009.327	846.312.424	1.609.239.987	1.494.328.272	1.017.685.524	0.621144587	8.478.920.476	1.204.054.306	1.566.263.889	2.740.017.101	5.562.450.789	504.801.269	5.841.299.893	4.073.336.257	1.533.017.303	-205.166.087	1.191.237.804	-5.359.014.668	1
333	-0.253238748	0.480130483	0.004610309	-0.167105171	-0.54501801	0.004604482	-0.862858158	1.356.148.297	-0.007952178	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.124444365	0.883709139	-0.726545119	-5.156.360.408	1
334	0.265640086	0.619396739	0.275865801	0.333238799	0.492582628	-0.611935623	0.041184936	0.194801041	0.503442403	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.164994717	0.33308392	-0.187069315	-0.356298854	-5.386.213.837	2
335	-0.34491073	0.313061657	-0.02213556	-0.167105171	-0.54501801	0.004604482	-0.862858158	-0.734276764	-0.227121283	0.074968991	-0.219691167	0.375846901	0.355222488	-0.692086042	-0.192838074	-0.218482708	0.028679835	-5.238.695.804	1
336	-0.517195183	0.418660739	-0.366125453	-0.567380346	-0.890884889	-0.611935623	-0.862858158	0.659339943	-0.446290389	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.4595089	-0.160485137	-0.875603138	-5.172.243.789	1
337	0.019478388	0.001919048	0.165497345	0.233170005	0.492582628	0.004604482	0.041184936	-0.502007313	0.065104191	1.851.667.731	-0.219691167	-0.291605354	0.903830228	0.131904455	0.120367505	-0.625536593	0.850439638	-5.352.666.728	2
338	255.317.842	1.290.727.427	2.626.860.575	2.734.889.855	1.876.050.144	0.621144587	1.246.575.727	2.749.765.005	2.804.718.014	0.963318361	-0.219691167	-0.291605354	0.355222488	1.414.796.882	2.685.880.372	-1.523.152.695	2.078.432.829	-5.768.464.941	1
339	-0.477807069	0.681988721	-0.147382364	-0.367242759	-0.890884889	-0.611935623	-1.164.205.856	0.891609395	-0.263649468	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.32343981	0.159568673	-0.751958713	-5.188.357.482	1
340	1.234.601.718	1.599.002.896	1.445.291.316	1.333.926.739	0.492582628	-0.611935623	0.041184936	367.884.281	1.562.759.748	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.167057995	1.389.339.937	0.797426756	-0.028212227	-6.600.567.801	1
341	1.234.601.718	195.500.611	1.436.251.307	1.333.926.739	0.492582628	-0.611935623	0.041184936	3.911.112.261	1.562.759.748	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.167057995	138.815.248	0.7632252	-0.084954398	-6.600.567.801	2
342	1.577.698.827	1.574.277.434	1.983.618.786	1.934.339.503	0.492582628	0.004604482	0.041184936	0.427070492	1.635.816.116	362.836.647	-0.219691167	-0.291605354	2.001.045.709	0.131904455	1.832.390.048	-1.207.595.195	2.984.596.637	-7.048.812.621	1
343	2.576.390.775	4.175.012.319	3.309.634.822	2.734.889.855	-0.54501801	0.004604482	-0.56151046	7.627.423.481	3.096.943.488	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.330597536	2.939.661.119	0.581621024	0.49462282	-7.770.909.423	1
344	2.197.283.678	3.691.218.649	2.848.242.844	2.334.614.679	-0.54501801	0.004604482	-0.56151046	6.930.615.128	2.695.133.461	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.330597536	2.523.656.218	0.533074717	0.235419629	-7.729.153.446	2

345	0.263859912	0.06334535	0.14320368	0.133101211	-0.199151131	-0.611935623	0.342532633	-0.502007313	0.101632375	0.074968991	-0.219691167	0.375846901	0.355222488	-0.32127973	0.217222662	-0.403686148	0.161769586	-3.835.390.149	1
346	-0.731222628	-0.466539766	-0.580238049	-0.567380346	-0.199151131	0.004604482	-0.56151046	-0.734276764	-0.665459495	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.107974636	-0.628601863	0.429235234	-0.337872066	-1.142.974.365	1
347	-0.942019125	-0.823947589	-1.039.003.402	-0.867586728	0.146715749	-0.611935623	-0.260162762	-0.734276764	-0.848100417	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.194430512	-0.942272821	-0.451830983	-0.812374435	0.946191052	1
348	-0.647400235	-0.842518836	-0.744484955	-0.567380346	-0.199151131	0.621144587	0.041184936	-0.03746841	-0.555874942	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.632948279	-0.66400298	1.366.212.137	-0.538545966	-0.225028298	1
349	-0.53465351	-0.674363973	-0.53231596	-0.467311552	0.146715749	0.004604482	-0.260162762	-0.03746841	-0.373234021	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.03851463	-0.503156495	0.874081823	-0.680972716	-0.412857335	2
350	-0.451034365	-1.668.523.038	-0.640200926	-0.367242759	0.146715749	1.854.224.797	0.945228029	-0.502007313	-0.373234021	-0.813380379	0.503076578	0.375846901	-0.193385253	1.452.915.178	-0.498049511	-0.23806965	-0.351048959	-1.508.782.486	1
351	-0.233558708	-3.103.468.673	-0.600259156	-0.167105171	0.838449507	0.621144587	0.945228029	0.659339943	-0.11753673	-0.813380379	-0.219691167	-0.291605354	-0.741992993	1.759.343.924	-0.289218293	1.759.698.049	-0.452722897	-1.763.581.857	1
352	-0.310218352	-0.637221478	-0.423012216	-0.367242759	0.146715749	0.621144587	0.342532633	0.659339943	-0.300177652	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.632948279	-0.375511215	0.390304755	-0.619163202	-0.799143198	1
353	-0.387249449	-0.691885384	-0.329099086	-0.567380346	-0.54501801	1.237.684.692	0.342532633	0.194801041	-0.446290389	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.409956247	-0.497210174	0.590091942	-0.672689455	-0.773033917	1
354	-0.801301232	-0.263762016	-0.648680956	-0.66744914	-0.54501801	0.004604482	-0.862858158	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	-0.711537548	0.399064665	-0.580764037	-0.701547905	1
355	-0.52724546	-0.40669184	-0.406310801	-0.567380346	-0.199151131	0.004604482	-0.260162762	-0.269737862	-0.482818573	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.496623891	-0.493282206	0.704490525	-0.721137533	-1.744.788.784	1
356	0.276622502	-0.608912091	-0.363699717	-0.567380346	-0.199151131	0.621144587	0.041184936	0.194801041	-0.446290389	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.090028735	-0.326403837	1.412.596.762	-0.825212709	-1.130.401.751	1
357	-0.93478629	-1.090.026.867	-0.93893051	-0.867586728	-0.199151131	0.621144587	-0.260162762	-0.502007313	-0.811572232	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.394073624	-0.92694162	0.687083929	-0.8141226	0.267898616	2
358	-0.766118254	-0.234772045	-0.662173168	-0.66744914	-0.199151131	0.004604482	-0.56151046	-0.734276764	-0.628931311	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.256690395	-0.701273595	-0.497217209	-0.727729933	-0.849572956	1
359	-0.752297372	-0.943484157	-0.753728363	-0.66744914	-0.199151131	0.621144587	-0.260162762	-0.502007313	-0.628931311	-0.813380379	0.503076578	0.375846901	-0.193385253	0.097809757	-0.726514508	-0.474110882	-0.711227525	1.129.135.649	2
360	-0.997891376	-0.584816531	-0.959652218	-0.867586728	-0.199151131	-0.611935623	-0.56151046	-0.502007313	-0.921156785	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.060750303	-0.912591396	0.080617415	-0.760189974	0.175240889	1
361	-0.253988664	-0.318237675	-0.325078793	-0.267173965	-0.199151131	0.004604482	0.041184936	-0.502007313	-0.263649468	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.204540986	-0.321913951	0.956887583	0.117124812	0.777998866	1
362	-0.566787763	-0.071895326	-0.453878822	-0.567380346	-0.54501801	0.004604482	-0.56151046	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.395822175	-0.529334275	0.674608511	-0.422289859	-215.106.632	1
363	-0.562295275	0.079092899	-0.370620346	-0.467311552	-0.54501801	-0.611935623	-0.862858158	-0.03746841	-0.373234021	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-0.45576038	1.079.595.495	-0.702321109	-2.675.906.595	2
364	-0.528920506	0.204240663	-0.55782385	-0.66744914	-0.890884889	-0.611935623	-0.56151046	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.552873019	0.530077024	-0.526526309	-30.533.858	1
365	1.404.194.883	3.133.284.795	2.047.255.422	1.534.064.327	-0.890884889	-0.611935623	-1.164.205.856	4.143.381.712	1.854.985.222	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	1.719.177.692	1.043.989.691	-0.120103271	-514.904.043	1
366	-0.955840008	-0.645149554	-0.909686084	-0.867586728	-0.54501801	0.004604482	-0.56151046	-0.502007313	-0.848100417	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.156947521	-0.9213079	1.083.830.276	-0.781299395	0.056273368	1
367	-0.822347942	-1.400.488.892	-0.794388311	-0.767517934	0.146715749	1.237.684.692	-0.260162762	0.194801041	-0.665459495	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.164728543	-0.805892472	-0.349328706	-0.900668125	0.957792794	1
368	-0.618833339	-0.772324589	-0.605309005	-0.567380346	0.146715749	-0.611935623	-0.260162762	0.659339943	-0.446290389	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.360456868	-0.588701572	-0.160485137	-0.865155569	0.84545625	1
369	-0.955840008	-0.645149554	-0.909686084	-0.867586728	-0.54501801	0.004604482	-0.56151046	-0.502007313	-0.848100417	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.156947521	-0.9213079	0.743428378	-0.775514186	0.038175146	1
370	-0.808197656	-0.308434374	-0.579685604	-0.66744914	-0.54501801	0.004604482	-0.862858158	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.395822175	-0.702373461	0.399064665	-0.580764037	-1.047.745.261	1
371	-0.492861459	-0.440178007	-0.467818013	-0.367242759	0.146715749	0.004604482	-0.260162762	-0.269737862	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.03851463	-0.448869921	0.506156668	-0.231723434	-1.228.026.593	1
372	-0.340873799	-0.251786638	-0.902875944	-116.779.311	-0.890884889	-0.611935623	-0.56151046	-0.734276764	-1.103.797.707	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.915024773	-1.391.327.532	-0.973713048	-1.285.894.713	1
373	-0.625729763	-1.119.205.084	-0.563616989	-0.567380346	0.146715749	1.237.684.692	-0.260162762	0.194801041	-0.446290389	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.164728543	-0.592099219	0.248362034	-0.824570169	0.815044373	1
374	-1.053.840.721	-0.591535485	-0.970424895	-0.967655522	-0.54501801	-0.611935623	-0.862858158	-0.502007313	-0.921156785	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.681497627	-0.991147196	-0.923156714	-0.89574989	0.080542298	1
375	-0.871351802	-0.329293541	-0.768004043	-0.767517934	-0.54501801	-0.611935623	-0.862858158	-0.734276764	-0.738515864	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.585354814	-0.793342786	-0.602547495	-0.790528421	-0.057369728	1
376	-0.941710749	-0.673277935	-0.913271954	-0.867586728	-0.199151131	-0.611935623	-0.56151046	-0.502007313	-0.811572232	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.904363589	0.1416629	-0.842941755	-0.025404461	1
377	-0.766118254	-0.634470182	-0.682985276	-0.66744914	-0.54501801	0.004604482	-0.56151046	-0.734276764	-0.628931311	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.330597536	-0.700135097	-0.580603669	-0.756181485	0.860120914	1
378	-0.878248226	-0.536219956	-0.638136791	-0.767517934	-0.54501801	0.004604482	-0.862858158	0.194801041	-0.738515864	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.692086042	-0.776296857	-0.052423523	-0.843807176	-0.079006957	1
379	-0.564418869	-0.498860253	-0.972609563	-1.267.861.904	-0.890884889	-0.611935623	-0.862858158	-0.734276764	-121.338.226	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-1.057.329.695	-2.201.142.816	-0.975824434	-1.214.583.849	1
380	-0.030499662	-1.062.079.492	-0.131537238	0.133101211	1.184.316.386	-0.611935623	0.643880331	-0.734276764	-0.044480362	1.851.667.731	-0.219691167	-0.291605354	0.903830228	1.055.637.827	-0.099560971	0.099933883	1.171.263.606	-1.406.221.724	1
381	-0.38042311	-0.473157357	-0.441509077	-0.267173965	0.146715749	-0.611935623	-0.260162762	-0.734276764	-0.263649468	-0.813380379	1.225.844.322	1.043.299.157	0.355222488	-0.028404156	-0.333774433	-0.70516196	-0.327131959	-1.301.526.049	2
382	-0.709888567	-0.19678244	-0.460734162	-0.567380346	-0.54501801	0.004604482	-0.862858158	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.395822175	-0.595476834	0.674608511	-0.434452459	-1.167.514.488	2
383	-0.296495589	-1.255.792.447	-0.303857374	-0.167105171	0.838449507	0.004604482	0.643880331	-0.734276764	-0.227121283	0.963318361	-0.219691167	-0.291605354	0.355222488	0.592288763	-0.310760323	0.628576576	0.624510588	-135.258.526	1
384	-0.611579478	-0.246537455	-0.372729681	-0.467311552	-0.54501801	-0.611935623	-0.862858158	-0.269737862	-0.482818573	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.878230388	-0.481527436	-0.170458283	-0.480261234	-1.227.918.826	1
385	-0.72253902	-0.160306048	-0.937378642	-1.067.724.316	-0.890884889	-0.611935623	-0.260162762	-0.734276764	-0.994213154	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.861706913	-0.507561516	-0.959042707	-1.173.834.312	2
386	-0.128213024	-1.215.681.448	-0.36217296	-0.067036377	1.184.316.386	1.237.684.692	0.643880331	0.194801041	-0.007952178	-0.813380379	-0.219691167	0.375846901	-0.193385253	1.090.791.367	-0.177819647	0.15165478	-0.258245845	0.580970652	2
387	-0.549091146	-0.919736129	-0.640439482	-0.467311552	0.492582628	-0.611935623	0.041184936	-0.269737862	-0.446290389	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.167057995	-0.546380939	13.203.803	-0.586682052	-0.267204876	2
388	-1.341.535.153	-1.033.299.489	-12.195.173	-1.267.861.904	-0.54501801	0.004604482	-0.862858158	-0.734276764	-121.338.226	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.395822175	-1.291.143.167	-2.201.142.816	-0.975824434	1.368.643.478	2
389	-1.075.146.747	-0.950108988	-1.062.037.845	-0.967655522	-0.199151131	0.004604482	-0.260162762	-0.734276764	-0.994213154	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.066522452	-1.039.741.994	0.51746077	-0.809769439	1.005.827.448	1
390	-0.787480349	-0.481990465	-0.725827382	-0.66744914	-0.199151131	0.621144587	-0.56151046	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.090028735	-0.737919959	0.399064665	-0.574773774	-0.196736611	1
391	-0.626346517	-1.287.396.149	-0.773729381	-0.567380346	0.146715749	1.237.684.692	0.342532633	-0.03746841	-0.519346758	-0.813380379	-0.219691167	-0.291605354	-0.741992993	1.183.969.424	-0.6696367	1.166.640.473	-0.61073985	-1.229.318.187	1
392	-0.653371529	-0.110094898	-0.40238593	-0.567380346	-0.54501801	-0.611935623	-0.862858158	-0.03746841	-0.446290389	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.878230388	-0.535814011	12.244.457	-0.816487846	-1.241.602.263	1
393	-0.465149607	-0.336280384	-0.78831895	-0.467311552	-0.199151131	-0.611935623	0.342532633	-0.502007313	-0.373234021	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.587591521	1.467.092.391	-0.625240233	-1.336.078.753	1
394	-1.236.638.016	-0.987722099	-1.255.139.955	-116.779.311	-0.54501801	0.004604482	-0.56151046	-0.734276764	-1.140.325.891	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.156947521	-1.230.416.175	-0.681928158	-0.952708549	1.175.855.294	1
395	-1.039.711.461	-0.597472492	-0.921136761	-0.967655522	-0.54501801	0.004604482	-0.862858158	-0.269737862	-0.884628601	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.979617376	-0.677944809	-0.950317843	-0.050409053	1
396	-0.74475616	-0.711361663	-0.554941092	-0.66744914	-0.199151131	0.621144587	-0.56151046	0.427070492	-0.555874942	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.155198969	-0.666978733	-0.243670889	-0.893286936	0.738903406	1
397	-1.082.071.206	-0.731091351	-1.006.667.795	-0.967655522	-0.54501801	0.004604482	-0.56151046	-0.734276764	-0.994213154	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.339491805	-1.026.106.488	0.51746077	-0.809769439	0.968390542	1
398	-0.605012456	-1.624.429.901	-0.700600737	-0.567380346	0.492582628	1.854.224.797	0.041184936	0.194801041	-0.446290389	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.766785851	-0.631169104	1.412.596.762	-0.836400527	-0.341616387	1
399	2.159.661.721	-0.1130272	2.127.761.718	2.334.614.679	2.567.783.902	1.854.224.797	1.849.271.123	3.911.112.261	2.329.851.618	0.963318361	-0.219691167	0.375846901	0.903830228	1.924.311.438	2.214.023.465	-1.439.047.834	1.675.432.136	0.057188696	1
400	-1.138.328.927	-0.846500975	-1.139.201.849	-1.067.724.316	-0.54501801	0.004604482	-0.56151046	-0.734276764	-1.030.741.338	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.156947521	-1.123.519.549	0.105562886	-0.905845891	1.001.717.808	1
401	-106.796.998	-0.603771512	-0.949155764	-0.967655522	-0.54501801	-0.611935623	-0.862858158	-0.502007313	-0.957684969	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-1.001.825.115	0.619559262	-0.828513621	-0.067511006	1
402	-1.053.840.721	-0.574846703	-0.948553097	-0.967655522	-0.54501801	-0.611935623	-0.862858158	-0.502007313	-0.921156785	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-0.990243512	0.134616611	-0.89574989	-0.079826177	2
403	-0.155854789	-0.196543512	-0.217276694	-0.067036377	-0.199151131	0.621144587	0.041184936	0.194801041	-0.007952178	-0.813380379	0.503076578	0.375846901	-0.193385253	0.632948279	-0.134830772	-0.081429247	-0.393284547	-147.223.405	1
404	-0.815430492	-0.3367148	-0.674151179	-0.66744914	-0.54501801	-0.611935623	-0.862858158	-0.502007313	-0.738515864	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.585354814	-0.722163684	0.346088847	-0.514322698	-1.209.572.311	2
405	-0.521119978	-0.518408935	-0.564704301	-0.367242759	0.146715749	-0.611935623	-0.260162762	-0.734276764	-0.482818573	0.074968991	-0.219691167	0.375846901	0.355222488	-0.028404156	-0.476388584	-0.033069563	-0.120109247	-1.364.424.933	2
406	-0.879769084	-0.178841095	-0.94995932	-1.067.724.316	-0.890884889	-0.611935623	-0.56151046	-0.734276764	-1.030.741.338	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.939431076	-0.219193374	-0.927662888	-1.187.180.386	1
407	-0.653967257	-0.070382113	-0.425211951	-0.467311552	-0.54501801	-0.611935623	-0.862858158	-0.734276764	-0.592403126	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.673873968	-0.531127712	0.214322528	-0.210283615	-1.325.093.551	2
408	-0.247064206	-0.581138482	-0.333229867	-0.267173965	0.146715749	0.621144587	0.342532633	-0.502007313	-0.263649468	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.755562131	-0.339129274	0.913409594	0.129287412	-1.494.200.991	1
409	-0.955811974	-1.133.106.369	-0.936012597	-0.867586728	-0.54501801	0.621144587	-0.260162762	-0.734276764	-0.848100417	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.075840258	-0.927617287	-0.451830983	-0.80466914	0.840273374	1
410	-0.029903935	-0.863370763	-0.247500455	0.033032417	1.184.316.386	-0.611935623	0.643880331	0.427070492	0.101632375	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.724008652	-0.058338456	1.626.913.998	-0.340951775	-0.575436704	2
411	-0.21270123	-1.331.380.682	-0.542023925	-0.167105171	0.492582628	1.854.224.797	0.945228029	0.427070492	-0.11753673	-0.813380379	-0.219691167	-0.291605354	-0.741992993	1.851.251.371	-0.31459924	2.429.198.337	-0.345482287	0.476843124	1
412	-0.969913199	-1.101.357.862	-0.951237477	-0.867586728	0.146715749	0.621144587	0.041184936	-0.734276764	-0.884628601	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.484498693	-0.950060691	0.421060137	-0.676246817	0.832692995	1
413	0.271667449	-2.273.663.339	0.045280301	0.333238799	2.221.917.023	1.237.684.692	1.547.923.425	0.659339943	0.39385785	0.074968991	-0.219691167	-0.291605354	-0.193385253	173.604.941	0.164915321	1.113.801.594	0.299208146	0.340366328	1

414	-0.507011744	-1.814.233.119	-0.720614311	-0.467311552	0.838449507	1.854.224.797	0.342532633	-0.734276764	-0.373234021	-0.813380379	0.503076578	0.375846901	-0.193385253	0.962248002	-0.562181709	-0.261868873	-0.694434203	0.577880851	2
415	-0.141977838	-1.104.000.554	-0.207377885	-0.067036377	0.492582628	0.621144587	0.945228029	-0.03746841	-0.007952178	-0.813380379	0.503076578	0.375846901	-0.193385253	0.933447512	-0.156237737	-0.627374907	-0.352174071	-0.569414718	2
416	-0.53465351	-0.526047401	-0.525656488	-0.467311552	0.146715749	-0.611935623	-0.260162762	0.427070492	-0.373234021	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.194430512	-0.497793788	0.424548736	-0.727309407	-0.431708518	1
417	-0.86473572	-0.85295204	-0.914803733	-0.767517934	0.146715749	-0.611935623	-0.260162762	-0.502007313	-0.775044048	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.113904149	-0.830591992	0.651003902	-0.694037848	-0.263631686	1
418	-0.766426631	-0.711730916	-0.798865627	-0.66744914	0.146715749	-0.611935623	-0.260162762	-0.269737862	-0.665459495	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.113904149	-0.723695365	0.646272335	-0.662321349	-0.327612407	2
419	-0.457370104	-0.637836899	-0.360324781	-0.367242759	0.146715749	-0.611935623	-0.260162762	0.194801041	-0.300177652	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.32127973	-0.391624613	0.865720976	-0.555802845	0.502481549	1
420	-0.654296659	-1.114.860.933	-0.750212804	-0.567380346	-0.199151131	0.621144587	0.041184936	-0.502007313	-0.555874942	-0.813380379	0.503076578	0.375846901	-0.193385253	0.459298264	-0.656623429	-0.306568412	-0.549898337	-0.404258917	2
421	-1.053.840.721	-0.522680684	-0.946795318	-0.967655522	-0.54501801	-0.611935623	-0.862858158	-0.269737862	-0.921156785	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-0.990243512	-0.407868448	-0.911972979	-0.159007423	1
422	-0.665096852	-0.183547259	-0.572830264	-0.66744914	-0.54501801	0.004604482	-0.56151046	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.395822175	-0.636230902	0.530077024	-0.5209324	-1.357.574.146	1
423	-0.380114733	0.003323657	-0.273641146	-0.267173965	-0.199151131	-0.611935623	-0.56151046	-0.03746841	-0.227121283	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.389892663	-0.291457963	-0.691675247	-0.498447531	-1.488.726.291	1
424	-0.359194178	-0.646843773	-0.404892022	-0.367242759	-0.199151131	0.004604482	0.041184936	-0.502007313	-0.373234021	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.327154838	-0.420883014	0.833707688	0.015579171	-1.525.986.853	1
425	-0.429945604	-0.051267846	-0.573031153	-0.367242759	-0.54501801	0.004604482	0.041184936	-0.734276764	-0.373234021	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.395822175	-0.492498018	0.434177714	-0.270690518	-1.508.195.621	2
426	-0.084851055	-0.006414482	0.145835327	0.033032417	-0.199151131	0.621144587	-0.56151046	-0.269737862	0.13816056	-0.813380379	1.225.844.322	1.043.299.157	0.355222488	0.155198969	0.047512597	-1.329.609.866	-0.542366481	-162.400.348	1
427	-1.125.846.679	-1.622.185.422	-1.161.786.803	-1.067.724.316	0.146715749	1.237.684.692	0.041184936	-0.734276764	-1.030.741.338	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.338378558	-1.129.824.773	-0.507561516	-0.959042707	-0.099255215	1
428	-0.84340166	-0.475003622	-0.79314531	-0.767517934	-0.54501801	0.004604482	-0.56151046	-0.269737862	-0.701987679	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.156947521	-0.80282967	0.518748623	-0.795475672	-0.327924852	1
429	-0.289010445	-0.706510694	-0.146890186	-0.167105171	0.146715749	0.621144587	-0.260162762	0.427070492	-0.154064915	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.021415802	-0.213596379	-0.10440653	-0.367133932	-0.583380931	2
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431	-0.934477914	-0.619700067	-0.852992676	-0.867586728	-0.199151131	0.004604482	-0.56151046	-0.269737862	-0.775044048	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.449823095	-0.883655205	0.043060972	-0.906658389	0.70363191	2
432	-0.246286256	-0.705859071	0.013446917	-0.167105171	0.146715749	0.004604482	-0.260162762	1.123.878.846	-0.007952178	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.554860177	-0.132078994	0.250541473	-0.728733136	0.355850804	2
433	-0.534933852	-1.363.129.189	-0.618653062	-0.467311552	0.146715749	1.237.684.692	0.342532633	0.194801041	-0.409762205	-0.813380379	-0.219691167	-0.291605354	-0.741992993	1.306.583.276	-0.553575986	0.985354401	-0.573542692	-0.548311419	1
434	-0.639859023	-0.718529513	-0.592873971	-0.567380346	-0.199151131	0.621144587	-0.260162762	-0.03746841	-0.482818573	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.394073624	-0.606251741	127.372.738	-0.692685981	-0.502953857	1
435	-0.871968555	-1.014.800.644	-0.965201779	-0.767517934	0.146715749	-0.611935623	-0.260162762	-0.734276764	-0.811572232	-0.813380379	-0.219691167	0.375846901	-0.193385253	-0.028404156	-0.862946641	0.04991675	-0.620572343	0.618115807	1
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437	-0.401140417	-0.048415187	-0.309298956	-0.267173965	-0.199151131	-0.611935623	-0.56151046	-0.734276764	-0.263649468	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.081558002	-0.291984683	0.172500535	-0.284824464	-154.049.772	1
438	0.932511701	1.279.381.952	1.056.342.449	0.733513975	0.492582628	0.621144587	0.643880331	2.517.495.554	1.014.836.983	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.356590633	0.876596453	-3.480.485.681	-0.322608527	-1.879.697.302	1
439	0.131923745	-0.793176516	0.143959525	0.233170005	1.184.316.386	0.621144587	0.945228029	-0.502007313	0.284273297	0.074968991	-0.219691167	-0.291605354	-0.193385253	1.063.685.023	0.144653385	0.515809772	0.355151647	-1.718.847.397	1
440	-0.108322727	-0.275281258	-0.327637618	-0.267173965	0.146715749	0.621144587	0.643880331	-0.502007313	-0.300177652	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.667042977	-0.218992492	0.83583677	-0.028873184	-0.004250052	1
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456	0.874333633	-1.553.837.439	0.376137071	0.833582769	2.567.783.902	2.470.764.902	2.753.314.216	0.194801041	0.832196061	0.963318361	0.503076578	0.375846901	0.903830228	299.352.964	0.627209529	-1.112.233.301	1.153.043.442	-1.995.302.619	1
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459	-0.829833085	-1.439.984.469	-0.900786698	-0.767517934	-0.199151131	0.621144587	0.643880331	-0.502007313	-0.738515864	-0.813380379	-0.219691167	-0.291605354	-0.741992993	1.330.513.095	-0.873657662	1.226.508.448	-0.695408985	-1.485.842.464	2
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481	-0.212680204	-0.627664345	-0.389948386	-0.067036377	0.492582628	0.004604482	0.342532633	-0.502007313	-0.190593099	0.074968991	-0.219691167	0.375846901	0.355222488	0.761491643	-0.219083663	-0.144446901	0.305936354	-0.896196315	1
482	-0.12759627	-0.67429157	-0.150255078	-0.067036377	0.492582628	0.621144587	0.041184936	0.427070492	0.065104191	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.466921923	-0.101949401	1.762.826.849	-0.432379868	0.068201817	1

483	-0.941402372	-0.456830588	-0.8057511	-0.867586728	-0.54501801	0.004604482	-0.862858158	-0.269737862	-0.775044048	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.872720749	-0.119377112	-0.91116048	-0.254140825	1
484	-0.801301232	-0.263762016	-0.648680956	-0.66744914	-0.54501801	0.004604482	-0.862858158	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	-0.711537548	0.456897239	-0.522027993	-0.662918503	1
485	-1.222.025.166	-0.681749031	-1.099.019.012	-1.267.861.904	-0.54501801	0.004604482	-0.862858158	-0.734276764	-121.338.226	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-1.193.479.641	-2.201.142.816	-0.975824434	-0.314879436	1
486	-0.658200428	-0.138874901	-0.641825616	-0.66744914	-0.54501801	0.004604482	-0.56151046	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	-0.645394989	0.530077024	-0.5209324	-0.753839202	1
487	-0.927889866	-0.907536303	-1.025.041.611	-0.867586728	0.146715749	-0.611935623	-0.260162762	-0.734276764	-0.811572232	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.360456868	-0.926283978	-0.921799952	-0.921256481	0.371717126	1
488	0.195281139	-0.964480889	0.149009374	0.233170005	0.838449507	1.854.224.797	0.342532633	1.588.417.748	0.430386034	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.962248002	0.202987202	1.990.371.574	-0.559621704	-1.076.302.279	1
489	-1.166.279.069	-0.744992636	-106.509.387	-1.067.724.316	-0.54501801	-0.611935623	-0.862858158	-0.502007313	-1.067.269.522	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-1.108.721.742	0.014744025	-0.913551186	0.569379255	1
490	-0.962736433	-0.862103719	-0.87054787	-0.867586728	-0.54501801	0.004604482	-0.56151046	-0.502007313	-0.848100417	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.034333669	-0.912143813	1.083.830.276	-0.775705486	0.37539119	1
491	-0.702992143	-0.437245705	-0.538493299	-0.567380346	-0.54501801	0.004604482	-0.862858158	-0.269737862	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	-0.604640922	-0.1351321102	-0.540958365	-0.785923914	1
492	-0.724326203	-0.421867409	-0.649233401	-0.567380346	-0.199151131	0.004604482	-0.56151046	-0.734276764	-0.665459495	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.014639216	-0.637765951	0.612549769	-0.284030691	-0.774965627	1
493	-0.70330052	-0.378092842	-0.634681499	-0.567380346	-0.54501801	0.004604482	-0.56151046	-0.502007313	-0.628931311	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.156947521	-0.641646469	0.333817005	-0.412473178	-1.619.929.844	1
494	-0.773631432	-1.069.283.543	-0.807415968	-0.66744914	0.146715749	0.621144587	0.041184936	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.450403995	-0.774754488	0.71245496	-0.339573331	-1.587.161.122	1
495	-0.218959875	-0.18701534	-0.089634289	-0.067036377	-0.199151131	0.004604482	-0.260162762	-0.03746841	-0.11753673	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.030890971	-0.131478411	-0.090702	0.020059448	-1.850.192.261	1
496	-0.33828764	-1.130.970.494	-0.366923987	-0.267173965	-0.199151131	1.854.224.797	0.643880331	-0.03746841	-0.190593099	-0.813380379	-0.219691167	-0.291605354	-0.741992993	1.387.690.539	-0.340781197	1.687.670.693	-0.521635666	-1.809.694.359	1
497	-0.197625815	-0.104194092	-0.04380898	-0.067036377	-0.199151131	0.621144587	-0.56151046	-0.269737862	-0.044480362	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.090028735	-0.096537202	0.54709533	-0.179869937	-1.863.533.046	1
498	-0.611579478	-0.104838474	-0.344193388	-0.467311552	-0.54501801	0.004604482	-0.862858158	-0.502007313	-0.482818573	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.395822175	-0.488580208	0.540539451	-0.343237465	-1.706.127.176	1
499	-0.879769084	-0.178841095	-0.94995932	-1.067.724.316	-0.890884889	-0.611935623	-0.56151046	-0.734276764	-1.030.741.338	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.939431076	0.105562886	-0.905845891	-1.588.580.927	1
500	-0.545586865	0.072214659	-0.501524688	-0.66744914	-0.54501801	0.004604482	-0.56151046	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.538567375	0.530077024	-0.5209324	-1.780.035.133	1
501	-0.660604364	-0.113678823	-0.459744783	-0.567380346	-0.54501801	0.004604482	-0.862858158	0.659339943	-0.482818573	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.563612474	-0.072464839	-0.814753488	-1.744.232.864	1
502	-0.717121402	-0.225062866	-0.555199737	-0.567380346	-0.54501801	-0.611935623	-0.862858158	-0.502007313	-0.628931311	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.585354814	-0.615267058	0.370057377	-0.426747164	-1.723.701.533	2
503	-0.584246089	-0.408646708	-0.600532867	-0.467311552	0.146715749	0.004604482	0.041184936	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.395132466	-0.572343379	0.553207461	-0.257217539	-1.802.914.236	2
504	-0.338294648	-0.228074811	-0.176335501	-0.167105171	-0.199151131	-0.611935623	-0.260162762	-0.502007313	-0.263649468	0.074968991	-0.219691167	0.375846901	0.355222488	-0.254996249	-0.239918852	-0.504428904	0.015548571	-1.925.085.284	1
505	-0.758913453	-0.099017311	-0.598980999	-0.66744914	-0.54501801	-0.611935623	-0.862858158	0.427070492	-0.592403126	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-0.669553633	-0.133349785	-0.840595835	-1.750.124.429	1
506	-0.660912741	-0.33128461	-0.568370527	-0.567380346	-0.199151131	-0.611935623	-0.56151046	-0.502007313	-0.519346758	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.595255314	1.299.643.695	-0.647551294	-1.804.593.715	1
507	-0.660912741	-0.382871409	-0.569575861	-0.567380346	-0.199151131	-0.611935623	-0.56151046	-0.03746841	-0.519346758	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.595255314	0.706165726	-0.686385014	-1.806.759.777	1
508	-0.696067684	-0.41501089	-0.537880588	-0.567380346	-0.199151131	0.621144587	-0.56151046	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.032585117	-0.621856246	0.577177975	-0.365651531	-1.789.422.053	1
509	-0.68917126	-0.370338532	-0.60687594	-0.567380346	-0.199151131	0.621144587	-0.56151046	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.090028735	-0.631020333	0.674608511	-0.427883768	0.192772727	1
510	-0.955531632	-0.537921415	-0.808111546	-0.867586728	-0.54501801	0.004604482	-0.862858158	-0.502007313	-0.811572232	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.884302353	0.928118589	-0.843111713	0.351057238	2
511	2.158.526.334	0.999575155	2.126.398.183	2.134.477.091	1.876.050.144	0.004604482	1.849.271.123	1.356.148.297	2.001.097.959	1.851.667.731	0.503076578	0.375846901	1.452.437.969	0.80829244	218.077.793	-1.470.885.419	2.578.810.929	-4.879.551.326	1
512	-0.225905359	-0.394781624	-0.260809357	-0.167105171	0.492582628	-0.611935623	0.041184936	0.891609395	-0.044480362	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.001031639	-0.198120614	0.892674616	-0.602217345	-0.016848465	1
513	-0.597758595	-0.275751874	-0.418170789	-0.467311552	-0.199151131	0.004604482	-0.56151046	-0.269737862	-0.482818573	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.200360025	-0.509596912	-0.034187457	-0.441836889	-0.860835326	1
514	-0.534961886	-0.838645301	-0.638079035	-0.467311552	0.492582628	-0.611935623	0.041184936	-0.03746841	-0.409762205	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.167057995	-0.534799336	0.428021834	-0.663378028	0.068474963	1
515	-0.085937382	0.105338814	-0.179065082	-0.167105171	0.146715749	0.004604482	0.342532633	1.123.878.846	-0.007952178	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.233976781	-0.18629999	0.978161974	-0.572439219	-1.087.251.192	1
516	-115.214.981	-0.598377523	-1.041.363.848	-1.067.724.316	-0.54501801	-0.611935623	-0.862858158	-0.502007313	-1.030.741.338	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.751381169	-1.092.732.899	-0.542045878	-0.933184548	-0.531030497	2
517	-0.405681965	-0.609382707	-0.545444061	-0.467311552	0.146715749	-0.611935623	0.041184936	-0.03746841	-0.409762205	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.028404156	-0.447640072	1.410.688.396	-0.578857282	-0.985949247	1
518	-0.632962599	-0.667847746	-0.642147039	-0.567380346	0.146715749	-0.611935623	-0.260162762	-0.03746841	-0.482818573	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.194430512	-0.604690415	0.689188868	-0.728842828	0.083023239	1
519	-0.857222542	-0.396121071	-0.691620995	-0.767517934	-0.54501801	0.004604482	-0.862858158	-0.03746841	-0.701987679	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.777405727	0.072440446	-0.846768172	-0.785854804	2
520	-0.731040405	-1.156.039.868	-0.70250165	-0.767517934	0.146715749	1.854.224.797	0.342532633	-0.734276764	-0.738515864	-0.813380379	-0.219691167	-0.291605354	-0.741992993	1.164.063.202	-0.737867711	-3.480.485.681	-0.762750176	1.106.488.088	1
521	-0.155826755	-0.694455674	-0.193172517	-0.067036377	-0.199151131	0.621144587	0.342532633	-0.03746841	-0.007952178	-0.813380379	0.503076578	0.375846901	-0.193385253	0.527911196	-0.132302849	0.042816282	-0.309557522	-1.102.861.926	1
522	-0.492553082	-0.355865267	-0.378133597	-0.367242759	-0.199151131	0.004604482	-0.56151046	-0.03746841	-0.373234021	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.322973877	-0.411864374	-0.419925048	-0.438872035	-1.003.417.731	2
523	-0.640139365	-1.278.972.115	-0.665352238	-0.567380346	-0.199151131	1.237.684.692	0.342532633	-0.269737862	-0.519346758	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.967753978	-0.644622345	1.166.640.473	-0.607257327	-0.938741673	1
524	-0.955531632	-0.433625579	-0.832614991	-0.867586728	-0.54501801	-0.611935623	-0.862858158	-0.269737862	-0.811572232	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-0.883346885	0.119769649	-0.871769046	-0.759083357	1
525	-0.492861459	-0.588132566	-0.493147614	-0.367242759	-0.199151131	0.621144587	-0.260162762	-0.269737862	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.271459772	-0.454232628	0.167148408	-0.30239079	-0.032126941	1
526	-0.857222542	-0.292404455	-0.716676885	-0.767517934	-0.54501801	-0.611935623	-0.862858158	-0.269737862	-0.701987679	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-0.776450259	0.518748623	-0.800790262	-0.851479539	1
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529	-0.534961886	-0.838645301	-0.638079035	-0.467311552	0.492582628	-0.611935623	0.041184936	-0.03746841	-0.409762205	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.167057995	-0.534799336	0.809050535	-0.663378028	-0.075223164	1
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535	-102.568.733	-1.173.108.764	-0.946775229	-1.067.724.316	-0.54501801	0.621144587	-0.260162762	-0.734276764	-1.030.741.338	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.155198969	-1.027.490.343	0.105562886	-0.900251982	0.188516266	2
536	-0.787480349	-0.481990465	-0.725827382	-0.66744914	-0.199151131	0.621144587	-0.56151046	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.090028735	-0.737916959	0.456897239	-0.516037729	1.003.488.328	1
537	-0.66150146	-1.334.638.796	-0.813043373	-0.567380346	0.146715749	0.621144587	0.342532633	-0.734276764	-0.592403126	-0.813380379	0.503076578	0.375846901	-0.193385253	0.647136755	-0.680938503	-0.107332089	-0.5871385	-1.048.661.639	2
538	-0.198263594	-1.808.802.929	-0.449489396	-0.167105171	1.184.316.386	1.854.224.797	0.643880331	-0.269737862	-0.044480362	-0.813380379	0.503076578	0.375846901	-0.193385253	1.157.710.153	-0.262508534	-0.078213447	-0.581281118	0.745212549	1
539	-1.131.404.468	-0.918179475	-1.149.030.347	-1.067.724.316	-0.199151131	-0.611935623	-0.260162762	-0.734276764	-1.030.741.338	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.033274827	-1.134.733.674	0.105562886	-0.900251982	0.233501766	1
540	-0.871351802	-0.596820869	-0.726425027	-0.767517934	-0.54501801	0.004604482	-0.862858158	-0.502007313	-0.738515864	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.782631727	1.196.524.354	-0.738521396	0.016731992	1
541	-0.338476871	-0.648118058	-0.521176661	-0.367242759	0.146715749	0.621144587	0.342532633	-0.502007313	-0.373234021	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.632948279	-0.455189988	0.61535088	-0.037865848	0.759009194	1
542	-0.948607173	-0.84519773	-0.861517906	-0.867586728	-0.54501801	-0.611935623	-0.56151046	-0.734276764	-0.811572232	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.516741881	-0.893509437	0.687083929	-0.817605123	1.059.872.163	1
543	-0.345373295	-0.692790416	-0.452181309	-0.367242759	0.146715749	0.621144587	0.342532633	-0.502007313	-0.373234021	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.755562131	-0.4460259	0.713085836	0.019458049	-120.510.658	1
544	-0.843093283	-0.220038131	-0.685463745	-0.767517934	-0.54501801	-0.611935623	-0.862858158	-0.269737862	-0.665459495	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.751381169	-0.760461416	0.81866304	-0.863549899	-0.979563677	1
545	0.137446492	-0.21971232	-0.200567746	-0.167105171	0.146715749	0.621144587	0.945228029	-0.502007313	-0.154064915	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.755562131	-0.09994753	0.999200823	0.258856842	-2.105.210.692	1
546	-1.011.740.293	-0.268837433	-0.809437414	-0.867586728	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.921156785	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.89895139	0.357542912	-0.780146686	-1.642.308.875	1
547	-0.660912741	-0.33070539	-0.567818082	-0.567380346	-0.199151131	-0.611935623	-0.56151046	0.194801041	-0.519346758	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.595255314	0.441344193	-0.709864063	-1.877.340.851	2
548	-0.085495843	0.10436138	0.01372565	0.033032417	0.146715749	0.004604482	-0.260162762	0.659339943	0.065104191	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.127511726	-0.005294572	-0.318771742	-0.150950114	-2.094.896.806	1
549	-0.401140417	-0.069078867	-0.175988968	-0.267173965	-0.199151131	0.004604482	-0.56151046	-0.03746841	-0.263649468	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.449823095	-0.294113595	0.170246605	-0.300782752	-2.011.278.797	1
550	0.03233209	-1.248.696.999	-0.525224576	0.033032417	2.221.917.023	-0.611935623	2.451.966.519	1.123.878.846	0.101632375	-0.813380379	-0.219691167	-0.291605354	-0.741992993	2.380.248.612	-0.173434778	1.626.913.998	-0.324170048	-2.152.068.465	1
551	-0.576732911	-0.278539371	-0.504964913	-0.467311552	-0.199151131	-0.611935623	-0.56151046	-0.502007313	-0.446290389	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.389892663	-0.505251215	-0.352256005	-0.560083644	-1.942.572.269	2

552	-0.991058029	-0.803312869	-109.529.252	-0.967655522	-0.54501801	0.004604482	-0.260162762	-0.502007313	-0.884628601	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.395822175	-1.044.329.579	-0.23154476	-0.920977161	0.522530377	1
553	117.652.177	-101.241.136	0.628928346	1.233.857.945	2.913.650.781	-0.611935623	2.150.618.821	0.659339943	1.307.062.457	-0.813380379	0.503076578	0.375846901	-0.193385253	2.033.372.118	1.070.467.327	0.722772684	0.694443921	-2.415.352.911	1
554	-0.717121402	-0.243025933	-0.591146325	-0.567380346	-0.54501801	-0.611935623	-0.862858158	-0.502007313	-0.628931311	0.074968991	0.503076578	0.375846901	0.355222488	-0.681497627	-0.616170742	-0.555816666	-0.452843096	-1.906.541.121	1
555	-0.574020598	-0.100175752	-0.548344397	-0.567380346	-0.54501801	-0.611935623	-0.56151046	-0.502007313	-0.628931311	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.585354814	-0.549124499	0.546858956	-0.366337099	-1.980.572.221	2
556	-0.079496514	-0.520581011	-0.292826052	0.033032417	0.492582628	0.621144587	0.945228029	-0.03746841	-0.044480362	0.074968991	-0.219691167	-0.291605354	-0.193385253	1.546.516.772	-0.138250753	0.853134847	0.063070784	-2.178.419.855	1
557	-0.548761743	0.042059008	-0.328036885	-0.367242759	-0.54501801	0.004604482	-0.862858158	-0.734276764	-0.482818573	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.518436027	-0.4375048	0.246446267	0.064739109	-2.061.973.923	1
558	-0.562603652	-0.189484266	-0.451879976	-0.467311552	-0.199151131	-0.611935623	-0.56151046	0.194801041	-0.409762205	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.488358688	0.418478018	-0.655780121	-2.111.500.803	1
559	-0.683150906	-0.148649242	-0.706079986	-0.867586728	-0.890884889	-0.611935623	-0.56151046	-0.269737862	-0.811572232	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.725637823	0.312638611	-0.861673046	-2.055.510.379	1
560	-0.17626372	0.195516159	0.012902005	-0.067036377	-0.54501801	-0.611935623	-0.56151046	0.891609395	0.028576007	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.516741881	-0.055228954	-1.043.751.144	-0.512356027	-2.257.749.011	1
561	-0.506373965	0.094297429	-0.298054191	-0.367242759	-0.54501801	0.004604482	-0.862858158	-0.734276764	-0.373234021	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	-0.390847669	0.538069949	-0.295339824	-2.189.958.914	1
562	-0.91043154	-0.146802978	-0.830430322	-0.967655522	-0.890884889	-0.611935623	-0.862858158	-0.502007313	-0.884628601	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.887095405	-0.23154476	-0.932164979	-2.001.263.871	1
563	-0.646475105	-0.084754014	-0.459142116	-0.567380346	-0.54501801	0.004604482	-0.862858158	0.427070492	-0.446290389	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.55203087	0.475557423	-0.845684029	-2.160.471.866	1
564	-0.576424535	0.102334109	-0.369465234	-0.467311552	-0.54501801	-0.611935623	-0.862858158	0.194801041	-0.409762205	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-0.467341984	0.904851242	-0.607567076	-2.192.586.036	1
565	-0.075859071	-0.062128225	-0.082778949	-0.067036377	-0.199151131	0.004604482	0.041184936	-0.03746841	-0.11753673	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.030890971	-0.065335852	-0.090702	0.033581232	-2.406.536.077	2
566	-0.45042462	-0.153862224	-0.148241165	-0.267173965	-0.199151131	0.621144587	-0.56151046	-0.734276764	-0.373234021	0.963318361	-0.219691167	-0.291605354	0.355222488	0.155198969	-0.33865941	0.307573714	0.093613874	-2.307.122.857	1
567	-0.674733624	-0.038887015	-0.48540334	-0.567380346	-0.54501801	-0.611935623	-0.862858158	0.194801041	-0.519346758	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-0.57423861	1.135.611.627	-0.692953705	-2.255.957.874	1
568	-0.660604364	-0.009962206	-0.484800673	-0.567380346	-0.54501801	-0.611935623	-0.862858158	0.427070492	-0.482818573	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-0.562657006	0.607541663	-0.788518301	-2.262.840.797	1
569	-0.506373965	0.094297429	-0.298054191	-0.367242759	-0.54501801	0.004604482	-0.862858158	-0.734276764	-0.373234021	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	-0.390847669	0.349553145	-0.343587289	-2.391.400.814	2
570	-0.423686959	0.052991789	-0.447023482	-0.567380346	-0.54501801	0.004604482	-0.260162762	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.395822175	-0.463191716	0.577177975	-0.359661267	-2.446.137.954	1
571	-0.366272825	0.228061093	-0.128905591	-0.167105171	-0.54501801	0.004604482	-0.862858158	-0.502007313	-0.300177652	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.518436027	-0.229664468	-0.235982052	0.117446479	-2.506.711.754	1
572	0.489002934	-1.629.208.467	0.119202458	0.533376387	1.184.316.386	1.854.224.797	1.849.271.123	18.206.872	0.613026956	-0.813380379	-0.219691167	-0.291605354	-0.741992993	2.349.965.743	0.376346494	2.269.365.391	-0.09910819	-2.766.775.599	1
573	0.714538436	0.269330532	0.912804695	0.933651563	0.492582628	0.004604482	0.041184936	0.194801041	0.832196061	0.963318361	1.948.612.067	1.710.751.412	2.001.045.709	0.018608409	0.862499732	-1.322.125.061	1.145.350.342	-281.214.297	1
574	-0.405373588	-0.223115239	-0.441057077	-0.467311552	-0.199151131	-0.611935623	-0.260162762	-0.03746841	-0.373234021	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.410634525	0.874081823	-0.673267421	-251.754.425	2
575	-0.562603652	-0.190063486	-0.452432421	-0.467311552	-0.199151131	-0.611935623	-0.56151046	-0.502007313	-0.409762205	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.488358688	1.550.422.556	-0.558712507	-2.486.375.508	2
576	-0.857222542	-0.174714151	-0.69354953	-0.767517934	-0.54501801	-0.611935623	-0.862858158	0.194801041	-0.701987679	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.751381169	-0.77204302	-0.206927635	-0.865499463	-233.794.082	1
577	-0.454966168	-0.065531144	-0.516531102	-0.467311552	-0.199151131	-0.611935623	0.041184936	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.033274827	-0.479821408	0.553207461	-0.249512244	-2.563.966.491	1
578	-0.458792842	0.007197192	-0.616081682	-0.767517934	-0.890884889	-0.611935623	-0.862858158	-0.734276764	-0.811572232	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.666051541	0.385004403	-0.606326131	-2.568.561.457	1
579	-0.598066972	-0.190418258	-0.523386441	-0.467311552	-0.199151131	-0.611935623	-0.260162762	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.033274827	-0.545963968	0.361893554	-0.309343882	-2.514.943.789	1
580	-1.067.661.604	-0.165338024	-0.843011	-0.967655522	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.921156785	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.964819568	0.540741364	-0.875134072	-2.233.150.945	1
581	-0.562603652	-0.189484266	-0.451879976	-0.467311552	-0.199151131	-0.611935623	-0.56151046	0.194801041	-0.409762205	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.488358688	0.757298509	-0.625591802	-2.544.367.455	1
582	-0.7703304	-0.032298385	-0.683630632	-0.767517934	-0.890884889	-0.611935623	-0.862858158	-0.734276764	-0.811572232	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.725912204	0.385004403	-0.606326131	-2.449.320.235	1
583	-0.562603652	-0.123959981	-0.430510401	-0.467311552	-0.199151131	-0.611935623	-0.56151046	0.891609395	-0.409762205	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.555919019	-0.483951449	0.0532439	-0.765330166	-264.774.351	1
584	5.726.816.165	6.994.830.002	7.282.374.434	6.437.435.233	-0.890884889	-0.611935623	-1.164.205.856	-0.03746841	5.946.141.864	807.011.332	-0.219691167	1.710.751.412	6.389.907.634	-0.94684332	6.509.845.816	-3.480.485.471	7.287.158.208	-3.539.740.421	1
585	1.571.958.815	2.992.121.593	2.323.352.341	1.834.270.709	-0.890884889	-0.611935623	-1.164.205.856	-0.03746841	1.854.985.222	1.851.667.731	0.503076578	0.375846901	1.452.437.969	-0.94684332	1.932.714.998	-3.480.485.177	1.053.230.964	-3.172.955.944	1
586	0.363248319	0.017152539	0.318110262	0.433307593	0.146715749	0.621144587	0.643880331	-0.269737862	0.284273297	1.851.667.731	-0.219691167	-0.291605354	0.903830228	0.811892501	0.30683678	-0.705201998	1.364.417.185	-2.961.106.136	1
587	0.363991227	1.296.729.597	0.890887697	0.633445181	-0.890884889	-0.611935623	-1.164.205.856	-0.502007313	0.466914218	1.851.667.731	-0.219691167	-0.291605354	0.903830228	-0.94684332	0.621481351	-3.480.485.477	0.533124102	-2.961.273.931	1
588	-0.45042462	-0.153862224	-0.148241165	-0.267173965	-0.199151131	0.621144587	-0.56151046	-0.734276764	-0.373234021	0.963318361	-0.219691167	-0.291605354	0.355222488	0.155198969	-0.33865941	0.285097374	0.081027579	-2.767.853.696	1
589	-0.436036044	0.05360721	-0.303573618	-0.367242759	-0.199151131	-0.611935623	-0.56151046	1.123.878.846	-0.227121283	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.555919019	-0.353891615	-0.037882103	-0.823158062	-2.806.877	2
590	-0.281805644	0.040791964	-0.160666154	-0.167105171	-0.199151131	-0.611935623	-0.56151046	-0.502007313	-0.11753673	-0.813380379	-0.219691167	0.375846901	-0.193385253	-0.389892663	-0.184561336	0.275414545	-0.314415082	-2.908.515.996	1
591	-0.359039989	0.186712012	-0.115842779	-0.167105171	-0.54501801	-0.611935623	-0.862858158	-0.03746841	-0.263649468	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.443046509	-0.195381638	0.112021414	-0.084357404	-3.000.616.717	1
592	0.040763389	-0.072409384	0.055189155	0.133101211	0.492582628	-0.611935623	0.041184936	1.123.878.846	0.211216928	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.167057995	0.094998818	1.161.246.479	-0.396370253	-3.128.034.162	1
593	0.124992278	-1.172.058.927	-0.063727132	-0.067036377	1.184.316.386	1.854.224.797	1.246.575.727	0.891609395	0.028576007	-0.813380379	-0.219691167	-0.291605354	-0.741992993	1.734.990.568	-0.036212468	0.956504882	-0.444380185	-3.159.921.987	1
594	-0.450165303	-0.019338333	-0.335339202	-0.367242759	-0.199151131	-0.611935623	-0.56151046	0.427070492	-0.263649468	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.369880458	1.191.513.763	-0.673388735	-2.989.804.004	1
595	-0.983481774	-0.113172005	-0.780157832	-0.867586728	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.848100417	-0.813380379	-0.219691167	0.375846901	-0.193385253	-0.94684332	-0.874815469	-0.595382374	-0.855391349	-2.710.466.438	1
596	0.700535331	113.077.577	0.744924208	0.633445181	0.146715749	0.004604482	0.342532633	2.517.495.554	0.868724246	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.233976781	0.66887302	1.733.325.232	-0.255746983	-336.230.202	1
597	0.097350513	-0.567280639	0.032388245	-0.067036377	1.184.316.386	-0.611935623	0.643880331	-0.03746841	0.028576007	-0.813380379	1.225.844.322	1.043.299.157	0.355222488	-0.418693153	0.033391752	-1.435.252.112	-0.580278376	-3.259.634.304	1
598	-0.672021311	0.079353548	-0.56467919	-0.66744914	-0.890884889	-0.611935623	-0.862858158	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.619015578	0.399064665	-0.580764037	-3.102.385.677	1
599	-0.197625815	0.153088279	-0.045330715	-0.067036377	-0.199151131	-0.611935623	-0.56151046	-0.269737862	-0.044480362	-0.813380379	-0.219691167	0.375846901	-0.193385253	-0.389892663	-0.089246314	0.372998103	-0.155076063	-3.411.619.706	1
600	0.919573897	1.994.103.473	1.448.455.319	1.033.720.357	-0.54501801	-0.611935623	-0.862858158	3.446.573.359	1.307.062.457	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.878230388	1.174.532.009	1.473.702.617	-0.382793884	-405.724.758	1
601	0.544377577	0.306798839	-0.302795173	0.433307593	-0.199151131	-0.611935623	1.849.271.123	0.659339943	0.576498771	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	0.178205786	301.670.591	0.034522542	-4.045.967.349	1
602	2.048.716.196	2.961.546.007	2.218.463.134	2.134.477.091	1.184.316.386	-0.611935623	0.643880331	5.304.728.969	2.439.436.171	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.557982297	2.201.292.083	0.717754965	0.21107851	-4.349.900.579	1
603	0.12595946	-0.133372309	0.227903535	-0.267173965	0.492582628	-0.611935623	0.643880331	-0.734276764	-0.190593099	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.809617455	0.02501953	1.244.745.551	-0.538417393	-4.116.196.121	1
604	0.133101184	0.933840903	0.522449605	0.233170005	-0.54501801	0.004604482	-0.862858158	2.052.956.651	0.430386034	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.692086042	0.315832613	1.143.933.959	-0.622119875	-4.236.722.556	1
605	-0.955223255	0.056973928	-0.724712448	-0.867586728	-0.890884889	-0.611935623	-1.164.205.856	-0.03746841	-0.775044048	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.846341338	-0.487984619	-0.947854889	-3.944.170.335	1
606	0.195105925	-1.126.459.817	0.257841029	0.333238799	0.492582628	1.854.224.797	1.246.575.727	0.891609395	0.320801481	-0.813380379	-0.219691167	-0.291605354	-0.741992993	2.195.798.413	0.258996265	0.902731592	-0.077849831	-4.434.690.373	1
607	0.08348057	0.801452887	0.390091328	0.233170005	-0.54501801	0.004604482	-0.862858158	0.659339943	0.284273297	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	0.250532088	-0.38447571	-0.100931491	-5.182.405.388	1
608	0.54645912	0.8591939	0.717645983	0.733513975	-0.199151131	-0.611935623	-0.56151046	-0.269737862	0.722611509	-0.813380379	1.225.844.322	2.378.203.668	1.452.437.969	-0.389892663	0.715249116	-140.101.527	0.573840942	-5.363.817.292	1
609	-0.71021797	-172.622.785	-0.76589973	-0.66744914	0.492582628	1.854.224.797	0.041184936	-0.03746841	-0.555874942	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.889399703	-0.728901643	1.103.671.745	-0.830273439	0.790628369	1
610	-0.50693465	-0.978592141	-0.510547118	-0.367242759	0.492582628	0.004604482	0.342532633	-0.734276764	-0.446290389	0.963318361	-0.219691167	-0.291605354	0.355222488	0.38835588	-0.491312604	0.388640073	0.252106177	-1.347.195.531	1
611	-0.84340166	-0.822318532	-0.81903489	-0.767517934	-0.199151131	0.004604482	-0.56151046	-0.502007313	-0.701987679	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.322973877	-0.803733354	-0.742738879	-0.847047491	0.38877392	1
612	-0.857530919	-0.678671923	-0.821063869	-0.767517934	-0.199151131	-0.611935623	-0.56151046	-0.269737862	-0.738515864	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.223866307	-0.813455806	0.764399005	-0.75135967	0.186448508	2
613	-1.334.638.728	-1.021.135.865	-1.268.951.079	-1.267.861.904	-0.54501801	0.004604482	-0.862858158	-0.734276764	-121.338.226	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-1.300.307.254	-2.201.142.816	-0.975824434	1.494.280.384	1
614	-0.092721669	-1.474.484.272	-0.192577383	-0.067036377	0.838449507	1.854.224.797	0.643880331	0.659339943	0.101632375	-0.813380379	-0.219691167	-0.291605354	-0.741992993	119.688.729	-0.126961544	-3.480.485.681	-0.666382299	0.679351138	1
615	0.342923491	0.334818616	0.46104786	0.433307593	-0.199151131	0.621144587	0.041184936	2.052.956.651	0.576498771	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.459298264	0.429235361	0.657269378	-0.277214447	-2.770.853.612	1
616	-0.450165303	0.142046894	-0.327635107	-0.367242759	-0.54501801	0.004604482	-0.56151046	0.891609395	-0.263649468	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.156947521	-0.375243165	0.16533608	-0.702461693	-2.722.197.764	1
617	-0.724038852	-1.213.002.555	-0.685413523	-0.66744914	0.146715749	1.237.684.692	-0.260162762	-0.03746841	-0.555874942	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.46099241	-0.702522231	1.103.671.745	-0.832664144	0.901578533	1
618	0.524206937	-1.832.188.945	0.245230218	0.633445181	2.221.917.023	-0.611935623	1.547.923.425	0.659339943	0.613026956	0.074968991	1.948.612.067	1.710.751.412	1.452.437.969	1.246.864.612	0.451015739	-1.167.114.746	0.709449781	-1.495.423.095	1
619	-0.647091858	-0.904640202	-0.701339004	-0.567380346	0.146715749	0.004604482	-0.260162762	-0.734276764	-0.519346758	-0.813380379	0.503076578	0.375846901	-0.193385253	0.03851463	-0.626945649	0.016076454	-0.591974875	0.651530723	1
620	-1.264.560.124	-1.087.138.006	-1.227.326.863	-116.779.311	-0.199151131	0.004604482	-0.56151046	-0.734276764	-1.176.854.075	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.107974636	-1.217.371.569	-0.313428659	-0.913551186	1.124.514.989	2

621	-0.120671812	-1.290.509.457	-0.178040547	-0.067036377	0.492582628	1.854.224.797	0.342532633	0.659339943	0.065104191	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.954624343	-0.121001046	1.622.658.108	-0.47334941	0.394426153	1
622	-0.218672524	-1.085.465.508	-0.180644572	-0.167105171	0.492582628	1.237.684.692	0.041184936	0.659339943	-0.007952178	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.406991491	-0.187365739	1.476.038.004	-0.695419161	0.417320876	1
623	-0.84340166	-0.532636031	-0.797886292	-0.767517934	-0.199151131	-0.611935623	-0.56151046	-0.502007313	-0.701987679	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.797466963	0.518748623	-0.795475672	-0.546768091	1
624	6.621.494.056	-2.781.248.477	5.518.955.088	6.537.504.026	8.447.520.846	8.636.165.954	8.780.268.174	5.769.267.871	6.567.120.997	362.836.647	-0.219691167	-0.291605354	2.001.045.709	9.693.455.459	6.186.819.195	-3.480.484.926	7.137.875.947	-0.821648982	1
625	-0.155238036	0.513544248	0.018421432	-0.067036377	-0.54501801	0.004604482	-0.56151046	0.891609395	0.065104191	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.156947521	-0.054553286	0.4945373	-0.544548344	-2.111.396.949	1
626	-0.8292724	-0.733263427	-0.765949952	-0.767517934	-0.199151131	0.004604482	-0.56151046	-0.03746841	-0.665459495	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.322973877	-0.786840827	-0.054075749	-0.883353219	-0.017655104	2
627	-0.689612799	-0.480433811	-0.781651944	-0.767517934	0.146715749	-0.611935623	0.041184936	-0.269737862	-0.665459495	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.194430512	-0.802755929	113.202.974	-0.751562358	-0.093687784	1
628	-0.225596983	-0.304169865	-0.147010719	-0.167105171	0.146715749	0.004604482	-0.260162762	1.123.878.846	-0.007952178	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.127511726	-0.166477773	0.546333054	-0.689575773	-0.653059623	1
629	-0.744784194	-0.078817007	-0.569525639	-0.66744914	-0.54501801	-0.611935623	-0.862858158	-0.03746841	-0.555874942	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.751381169	-0.65356479	0.835225938	-0.820853112	-1.471.935.011	1
630	0.685992566	0.838378174	1.104.784.337	1.033.720.357	0.146715749	-0.611935623	-0.260162762	-0.734276764	0.64955514	451.671.584	-0.219691167	-0.291605354	254.965.345	-0.218995636	0.851305765	-0.809845976	321.718.058	-7.204.596.088	1
631	-0.310043138	0.566108481	0.069753613	-0.067036377	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.263649468	1.851.667.731	-0.219691167	-0.291605354	0.903830228	-0.94684332	-0.137092641	-0.25176633	0.385618618	-644.481.058	1
632	-0.099912453	0.011867155	0.026939129	0.133101211	-0.199151131	-0.611935623	-0.56151046	-0.734276764	-0.081008546	0.963318361	-0.219691167	0.375846901	0.903830228	-0.223866307	0.0265012	-0.47560622	0.434224758	-6.039.760.498	1
633	2.262.799.709	3.070.946.221	2.119.123.488	1.534.064.327	-0.890884889	-0.611935623	0.643880331	4.143.381.712	1.854.985.222	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	2.116.033.048	1.266.393.841	-0.048339452	-7.965.810.564	1
634	2.478.298.951	0.875737877	2.427.237.103	2.634.821.061	1.876.050.144	-0.611935623	1.547.923.425	-0.734276764	209.241.842	451.671.584	-0.219691167	2.378.203.668	4.744.084.412	0.832434027	2.474.844.381	-1.589.649.121	5.422.373.939	-8.158.424.314	1
635	0.840215957	1.092.800.646	0.924561728	0.833582769	0.492582628	-0.611935623	0.342532633	0.659339943	0.64955514	1.851.667.731	-0.219691167	-0.291605354	0.903830228	-0.360456868	0.828116646	-1.089.798.726	0.895234262	-6.954.694.347	1
636	115.075.129	1.795.394.744	1.516.124.803	1.333.926.739	-0.54501801	0.004604482	-0.862858158	0.427070492	1.453.175.195	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	-0.518436027	1.399.853.317	-1.574.965.237	0.671776732	-7.100.195.364	1
637	-0.493982828	-0.991993848	-1.411.702.854	-0.967655522	0.146715749	-0.611935623	0.342532633	-0.269737862	-0.921156785	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.028404156	-0.825101007	-0.086180433	-0.885880749	-768.626.782	1
638	1.555.719.978	0.593549037	1.723.643.215	1.934.339.503	1.184.316.386	0.621144587	0.643880331	-0.502007313	1.489.703.379	2.740.017.101	-0.219691167	1.043.299.157	254.965.345	1.601.152.996	1.720.086.102	-1.328.823.932	3.285.970.949	-6.293.710.563	2
639	1.343.094.246	1.058.988.667	-0.284087378	1.033.720.357	-0.54501801	-0.611935623	365.735.731	0.427070492	1.307.062.457	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.751381169	0.609605676	5.447.532.448	0.296410537	-7.288.734.017	1
640	1.401.489.579	1.007.039.855	1.580.233.528	1.734.201.915	1.184.316.386	0.621144587	0.643880331	0.194801041	1.380.118.826	2.740.017.101	-0.219691167	0.375846901	2.001.045.709	1.269.100.284	1.555.163.063	-1.226.659.503	2.544.067.331	-8.271.656.595	1
641	0.027250883	0.60567646	0.241990881	0.133101211	-0.199151131	-0.611935623	-0.56151046	1.356.148.297	0.247745113	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	0.153021069	0.559341449	-0.403061626	-6.055.946.609	1
642	1.226.801.189	1.005.410.799	1.438.631.843	1.433.995.533	0.838449507	0.004604482	0.342532633	18.206.872	1.380.118.826	0.963318361	-0.219691167	-0.291605354	0.355222488	0.468616069	1.375.491.203	-0.662659367	1.332.727.031	-7.395.233.539	1
643	1.023.258.552	1.133.708.072	1.179.866.628	1.233.857.945	0.492582628	-0.611935623	0.041184936	18.206.872	116.094.972	0.963318361	-0.219691167	-0.291605354	0.355222488	0.167057995	1.177.223.207	-1.124.663.861	1.002.540.092	-8.287.652.069	1
644	0.167352023	0.637062955	0.379085118	0.333238799	-0.199151131	-0.611935623	-0.56151046	1.356.148.297	0.320801481	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.223866307	0.309797032	-0.640851399	0.047701955	-5.883.696.695	1
645	137.323.106	0.220024413	1.742.255.587	1.734.201.915	1.184.316.386	-0.611935623	0.643880331	-0.734276764	1.307.062.457	540.506.521	-0.219691167	-0.291605354	309.826.119	0.707914261	1.457.048.982	-1.032.907.552	4.294.608.536	-7.718.509.993	1
646	3.304.510.206	2.532.705.853	2.475.274.703	2.534.752.267	0.838449507	-0.611935623	3.054.661.914	-0.269737862	2.183.738.881	2.740.017.101	-0.219691167	1.043.299.157	254.965.345	0.840692992	2.907.721.653	-1.537.246.707	4.184.745.531	-7.727.396.093	1
647	0.349840941	0.427168036	0.503588632	0.533376387	-0.199151131	0.621144587	-0.56151046	-0.734276764	0.503442403	0.074968991	1.225.844.322	1.710.751.412	1.452.437.969	-0.090028735	0.494164974	-1.291.274.329	0.523957955	-48.789	2
648	0.02092916	0.331524301	-0.257261153	-0.267173965	-0.54501801	0.004604482	0.342532633	-0.502007313	-0.300177652	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.156947521	-0.122528913	0.906292574	-0.042568743	-14.666	1
649	0.245055942	-0.097134846	-0.270067832	-0.267173965	0.492582628	0.004604482	1.246.575.727	-0.03746841	-0.11753673	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.233976781	-0.096224531	2.478.481.784	-0.468926162	-0.3315	1
650	-0.56270878	-0.61118915	-0.544705794	-0.567380346	-0.199151131	0.621144587	0.041184936	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.083409512	-0.574403556	1.017.200.849	-0.189952099	-24.259	1
651	0.983295736	0.724713451	0.796520055	0.733513975	1.184.316.386	-0.611935623	1.246.575.727	0.659339943	0.722611509	0.963318361	-0.219691167	-0.291605354	0.355222488	0.2792952	0.788847387	-0.369096489	11.963.806	-53.835	1
652	0.174276481	-0.078237787	0.321618288	0.333238799	0.146715749	-0.611935623	-0.260162762	-0.03746841	0.320801481	0.074968991	0.503076578	0.375846901	0.355222488	-0.32127973	0.298730796	-0.521347363	0.121181525	-18.861	1
653	-0.559891339	-0.027222968	-0.522874174	-0.567380346	-0.54501801	0.004604482	-0.56151046	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	-0.538498363	0.577177975	-0.365651531	-15.704	1
654	-0.513424577	-0.824599212	-0.503880112	-0.567380346	0.146715749	0.621144587	0.041184936	0.194801041	-0.482818573	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.394073624	-0.543134832	0.697729646	-0.710229034	-0.6593	1
655	-0.17718885	-0.860510864	-0.240800805	-0.067036377	0.492582628	1.854.224.797	0.342532633	-0.03746841	-0.081008546	0.074968991	-0.219691167	-0.291605354	-0.193385253	125.088.821	-0.177137484	0.072592352	-0.000623641	-15.959	2
656	-0.639859023	-0.665784274	-0.590563747	-0.567380346	-0.199151131	0.621144587	-0.260162762	0.427070492	-0.482818573	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.394073624	-0.606251741	0.138606582	-0.748915778	0.5854	1
657	1.110.445.054	0.742915446	0.474570205	0.433307593	-0.54501801	-0.611935623	0.945228029	-0.734276764	0.430386034	-0.813380379	2.671.379.811	3.045.655.923	2.001.045.709	-0.681497627	0.823109216	-1.173.948.887	0.462992907	-62.908	2
658	-0.836477201	-0.948805742	-0.822992404	-0.767517934	-0.199151131	0.621144587	-0.260162762	-0.502007313	-0.701987679	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.394073624	-0.820044994	1.369.654.614	-0.751562358	0.2453	1
659	147.538.084	-0.316188684	0.356070763	0.033032417	0.146715749	1.237.684.692	0.643880331	-0.03746841	0.028576007	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.822480917	0.389334849	0.259963633	0.058878121	-28.583	1
660	-0.29619422	0.128073207	-0.040986489	-0.067036377	-0.199151131	-0.611935623	-0.56151046	-0.734276764	-0.263649468	1.851.667.731	-0.219691167	-0.291605354	0.903830228	-0.400904615	-0.163304034	-0.140993095	0.549333928	-1.826	1
661	0.53232986	0.384921163	0.683012707	0.733513975	-0.199151131	0.004604482	-0.56151046	-0.734276764	0.686083324	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	-0.156947521	0.704660408	-1.366.986.596	0.649219807	-46.271	1
662	0.839802452	-2.833.262.451	0.249684933	0.833582769	2.913.650.781	4.320.385.218	2.150.618.821	0.194801041	1.014.836.983	-0.813380379	1.225.844.322	1.043.299.157	0.355222488	3.066.801.475	0.663030854	-0.774852197	0.07588203	0.3577	1
663	-0.471779706	-110.961.175	-0.521641217	-0.367242759	0.146715749	1.237.684.692	0.342532633	-0.03746841	-0.373234021	0.074968991	-0.219691167	-0.291605354	-0.193385253	100.142.514	-0.465327012	-0.283713911	-0.332566149	-0.5314	2
664	-0.780527856	-1.113.955.901	-0.738420616	-0.66744914	0.146715749	0.621144587	0.041184936	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.573017847	-0.765590401	0.71245496	-0.341684717	-11.426	1
665	0.863323184	1.005.193.591	0.739392225	0.633445181	-0.199151131	-0.611935623	0.342532633	0.194801041	0.576498771	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.555919019	0.808282222	-0.391465181	0.491083773	-65.386	1
666	-0.612140163	-0.902902542	-0.567012014	-0.467311552	0.492582628	0.621144587	0.342532633	-0.734276764	-0.555874942	0.963318361	-0.219691167	-0.291605354	0.355222488	0.757468045	-0.581707203	0.2936913	0.001895196	-21.179	1
667	0.471481531	-0.56127123	0.23395783	0.333238799	0.492582628	1.237.684.692	1.246.575.727	-0.269737862	0.320801481	0.074968991	-0.219691167	0.375846901	0.355222488	11.981.579	0.312259979	-0.184965137	0.738817964	-32.859	2
668	-1.278.409.041	-0.64790085	-1.109.138.799	-116.779.311	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-1.176.854.075	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-1.183.838.821	-0.313428659	-0.921256481	-10.417	2
669	0.212073652	0.009224463	-0.705803764	-1.067.724.316	-0.890884889	-0.611935623	-0.260162762	-0.734276764	-0.994213154	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.682124924	-0.507561516	-0.959042707	-19.113	2
670	-0.367800691	-0.216997225	-0.741285796	-1.067.724.316	-0.890884889	-0.611935623	-0.862858158	-0.734276764	-0.994213154	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.843536443	-0.507561516	-0.959042707	-20.843	1
671	-0.130652003	0.274760722	-0.692720863	-0.66744914	-0.890884889	-0.611935623	0.643880331	-0.502007313	-0.555874942	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.441854139	1.662.973.551	-0.793967711	-32.301	1
672	-0.492244705	-0.009962206	-0.362609894	-0.367242759	-0.54501801	-0.611935623	-0.862858158	-0.734276764	-0.336705836	-0.813380379	1.225.844.322	1.043.299.157	0.355222488	-0.585354814	-0.382648808	-0.315197328	-0.374723483	-19.784	1
673	0.446334813	-2.624.091.558	-0.135946753	0.533376387	1.876.050.144	3.087.305.008	2.451.966.519	-0.502007313	0.466914218	-0.813380379	1.225.844.322	1.043.299.157	0.355222488	3.097.931.417	0.286878521	-0.198225559	0.426244925	-19.942	1
674	1.057.236.057	101.808.124	0.43748106	0.233170005	-0.890884889	-0.611935623	0.945228029	-0.734276764	0.247745113	-0.813380379	0.503076578	1.710.751.412	0.903830228	-0.94684332	0.718678677	-0.516012507	0.325528213	-63.168	1
675	-0.029854875	-0.767075406	-0.080375814	0.133101211	0.146715749	0.621144587	0.342532633	-0.502007313	0.028576007	0.074968991	0.503076578	0.375846901	0.355222488	0.647136755	0.01472783	-0.306468058	0.26987711	-24.581	1
676	-0.843093283	-0.315609464	-0.689812993	-0.767517934	-0.54501801	0.004604482	-0.862858158	-0.269737862	-0.665459495	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.765824123	0.81866304	-0.863549899	-0.38	2
677	0.377153305	-0.811711562	0.135765762	0.433307593	1.530.183.265	0.004604482	0.945228029	1.123.878.846	0.539970587	-0.813380379	-0.219691167	-0.291605354	-0.741992993	1.152.415.945	0.342868638	271.946.759	-0.131033447	-0.6285	1
678	1.022.529.662	1.385.618.176	1.113.711.346	1.133.789.151	0.492582628	-0.611935623	0.342532633	0.659339943	0.978308799	1.851.667.731	-0.219691167	-0.291605354	0.903830228	0.001031639	1.050.888.703	-1.079.209.514	1.194.088.051	-60.892	1
679	0.335711682	0.860135133	0.56323762	0.533376387	-0.199151131	-0.611935623	-0.56151046	0.427070492	0.466914218	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.555919019	0.501770462	-0.819178776	0.356531092	-57.692	1
680	-0.408064876	0.235518553	-0.182116085	-0.267173965	-0.54501801	0.004604482	-0.862858158	-0.269737862	-0.263649468	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	-0.283951043	0.311853046	-0.292775834	-29.902	2
681	0.307789574	0.215101041	0.630811682	0.533376387	-0.199151131	-0.611935623	-0.56151046	-0.03746841	0.430386034	0.963318361	0.503076578	0.375846901	0.903830228	-0.809617455	0.507773697	-1.024.708.813	0.350293339	-24.255	1
682	1.078.598.152	-1.503.358.399	0.92772322	1.233.857.945	2.221.917.023	2.470.764.902	1.849.271.123	0.427070492	116.094.972	0.074968991	-0.219691167	1.043.299.157	0.903830228	247.448.551	1.030.091.284	-0.569610407	202.657.755	-36.478	1
683	-0.675350377	-0.588566981	-0.684022366	-0.567380346	0.146715749	1.237.684.692	-0.260162762	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.338378558	-0.657399744	0.674608511	-0.424004891	0.6043	2
684	2.305.944.412	1.387.370.317	0.350696981	-0.267173965	-0.890884889	-0.611935623	0.643880331	-0.734276764	-0.263649468	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	0.498447702	1.129.712.624	-0.348458896	-95.374	1
685	-0.175380641	0.334203194	-0.390212053	-0.467311552	-0.54501801	0.004604482	0.041184936	-0.734276764	-0.482818573	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	-0.299316618	0.75482093	-0.320875594	-23.924	1
686	0.124354499	0.106026638	0.036295538	0.233170005	0.838449507	0.004604482	0.945228029	0.194801041	0.211216928	0.074968991	-0.219691167	-0.291605354	-0.193385253	1.308.700.959	0.101333922	0.972229464	0.338769959	-36.646	1
687	-0.408653595	-0.921256582	-0.381649156	-0.267173965	-0.199151131	0.621144587	0.041184936	-0.269737862	-0.336705836	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.878175983	-0.366013374	0.699224938	-0.140696684	-24.371	1
688	-0.34973262	-0.216780018	-0.405730734	-0.367242759	0.146715749	0.004604482	0.342532633	-0.502007313	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.517746318	-0.390140106	0.654617673	-0.140559285	-2.538	1
689	-0.100262881	-2.201.586.625	-0.444045302	-0.067036377	1.530.183.265	2.470.764.902	0.945228029	-0.03746841	0.028576007	-0.813380379	0.503076578	0.375846901	-0.193385253	1.752.143.802	-0.197980162	-0.080183272	-0.371447737	0.3348	1

690	-0.534345133	-0.457337406	-0.424242662	-0.467311552	-0.199151131	0.621144587	-0.56151046	0.427070492	-0.336705836	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.090028735	-0.471513655	1.035.505.471	-0.786588525	-0.5418	1
691	-0.955531632	-0.450314361	-0.854486789	-0.867586728	-0.54501801	-0.611935623	-0.862858158	-0.734276764	-0.811572232	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.751381169	-0.884250569	-0.686265805	-0.877362955	0.2069	2
692	-0.745092571	-0.333782497	-0.677207204	-0.66744914	-0.54501801	0.004604482	-0.56151046	-0.03746841	-0.592403126	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.156947521	-0.695933044	0.764485498	-0.761584094	-0.889	1
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694	-0.394243993	-0.012279087	-0.256249175	-0.267173965	-0.199151131	0.621144587	-0.56151046	-0.734276764	-0.263649468	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.090028735	-0.310330454	0.534426566	-0.186019525	-19.197	1
695	-0.702992143	-0.24954216	-0.542410636	-0.567380346	-0.54501801	0.004604482	-0.862858158	-0.502007313	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	-0.604640922	0.163382228	-0.513816982	-17.969	1
696	-0.394860746	-0.487348252	-0.459925583	-0.267173965	-0.199151131	0.621144587	0.041184936	-0.269737862	-0.336705836	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.632948279	-0.384341549	0.365410658	-0.200131967	-40.444	1
697	-0.751988995	-0.75686665	-0.646441043	-0.66744914	-0.199151131	-0.611935623	-0.56151046	-0.502007313	-0.592403126	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.682768237	-0.680619868	-0.761861298	-0.814862849	0.9386	2
698	-0.260135173	0.45594804	0.062471384	-0.167105171	-0.54501801	-0.611935623	-0.862858158	1.356.148.297	-0.007952178	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.878230388	-0.108227505	0.956262884	-0.779741935	-31.157	1
699	-0.513578766	-0.172245225	-0.331303843	-0.367242759	-0.54501801	0.004604482	-0.56151046	-0.502007313	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.330597536	-0.415162743	0.020177732	-0.28002558	-20.946	2
700	-0.352297754	-0.429889609	-0.444030235	-0.367242759	-0.199151131	0.004604482	0.041184936	-0.502007313	-0.373234021	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.204540986	-0.428810577	0.61535088	-0.040373589	0.5564	2
701	-0.745400947	-0.829269174	-0.787540505	-0.66744914	0.146715749	-0.611935623	-0.260162762	-0.269737862	-0.628931311	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.028404156	-0.727575884	0.863522518	-0.684265953	0.6341	2
702	-0.450165303	0.032827686	-0.333581423	-0.367242759	-0.199151131	-0.611935623	-0.56151046	0.659339943	-0.263649468	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.369880458	0.409261199	-0.702461693	-27.369	2
703	-0.758913453	-0.099017311	-0.598980999	-0.66744914	-0.54501801	-0.611935623	-0.862858158	0.194801041	-0.592403126	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-0.669553633	0.342956674	-0.794617926	-14.242	2
704	-0.660604364	0.042203813	-0.483042893	-0.567380346	-0.54501801	-0.611935623	-0.862858158	0.427070492	-0.482818573	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-0.562657006	0.323080496	-0.767068642	-1.693	1
705	0.054892648	0.008681444	0.057549601	0.133101211	0.492582628	-0.611935623	0.041184936	1.356.148.297	0.247745113	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.167057995	0.106580422	0.482417145	-0.480216847	-32.831	1
706	-1.180.099.952	-0.506679726	-0.993200693	-1.067.724.316	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-1.067.269.522	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-1.076.942.195	-0.367721278	-0.898088135	-12.753	1
707	-1.022.869.888	-0.368535709	-0.94817643	-1.067.724.316	-0.890884889	-0.611935623	-0.862858158	-0.502007313	-1.030.741.338	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-1.005.573.635	-0.542045878	-0.933184548	-13.562	1
708	-0.843093283	-0.367775483	-0.691570773	-0.767517934	-0.54501801	0.004604482	-0.862858158	-0.269737862	-0.665459495	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.765824123	0.297699315	-0.887875099	-0.7945	1
709	-0.324214448	-0.354344814	-0.414037497	-0.267173965	0.492582628	-0.611935623	0.041184936	-0.734276764	-0.154064915	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.164994717	-0.305920924	-0.346027958	-0.704465166	-28.997	1
710	-0.646783481	-0.301780582	-0.567215415	-0.567380346	-0.199151131	-0.611935623	-0.56151046	-0.03746841	-0.482818573	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.583673711	0.704490525	-0.738315614	-18.135	2
711	-0.857194508	-103.590.598	-0.711694836	-0.767517934	-0.199151131	0.621144587	-0.56151046	-0.734276764	-0.701987679	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.437328764	-0.783715114	-0.76454575	-0.847047491	0.6378	2
712	-0.857222542	-0.22688017	-0.69530731	-0.767517934	-0.54501801	-0.611935623	-0.862858158	-0.03746841	-0.701987679	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.751381169	-0.77204302	0.114445164	-0.846768172	-15.236	1
713	-0.745092571	-0.443001706	-0.683153521	-0.66744914	-0.199151131	-0.611935623	-0.56151046	-0.269737862	-0.592403126	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.690570337	0.421610218	-0.767178003	-12.657	1
714	-0.745092571	-0.443001706	-0.683153521	-0.66744914	-0.199151131	-0.611935623	-0.56151046	0.194801041	-0.592403126	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.690570337	0.119587887	-0.814862849	-15.206	2
715	-0.683150906	-0.148070022	-0.705527541	-0.867586728	-0.890884889	-0.611935623	-0.56151046	-0.269737862	-0.811572232	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.725637823	0.017731529	-0.884048682	-21.675	1
716	-0.14172553	-0.055322388	-0.162433978	-0.067036377	-0.199151131	0.621144587	0.041184936	1.356.148.297	0.028576007	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.632948279	-0.117938245	0.344166268	-0.542406093	-23.059	1
717	-0.660295988	0.4806373	-0.376898129	-0.567380346	-0.890884889	-0.611935623	-1.164.205.856	0.659339943	-0.446290389	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.525651459	-0.160485137	-0.888271454	-57.657	1
718	-0.346452613	-0.35278816	-0.513904477	-0.567380346	-0.199151131	-0.611935623	0.041184936	0.659339943	-0.446290389	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.555919019	-0.435399749	-0.160485137	-0.852135684	-13.461	1
719	0.44167412	0.156201588	-0.026459698	-0.067036377	0.492582628	-0.611935623	1.246.575.727	1.356.148.297	0.101632375	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.001031639	0.124387021	1.593.318.887	-0.556476411	-16.105	1
720	-0.225702111	-0.347321769	-0.177021035	-0.267173965	0.492582628	0.004604482	0.342532633	-0.03746841	-0.190593099	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.126610247	-0.239009432	1.421.632.877	-0.477280749	-14.991	1
721	0.021594974	0.303287316	-0.390925209	-0.067036377	-0.199151131	-0.611935623	0.945228029	-0.502007313	-0.081008546	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.033274827	-0.16304934	0.840003336	0.074957595	-33.533	2
722	-0.394552369	-0.330488183	-0.345094878	-0.267173965	0.146715749	-0.611935623	-0.260162762	-0.03746841	-0.300177652	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.194430512	-0.336610587	0.482582072	-0.195188338	-14.199	1
723	-0.002486443	-1.475.425.505	-0.441328277	0.033032417	1.184.316.386	-0.611935623	2.451.966.519	-0.03746841	0.065104191	-0.813380379	0.503076578	0.375846901	-0.193385253	1.999.700.957	-0.156953792	0.060979505	-0.277443125	-35.706	2
724	-0.597758595	-0.484524554	-0.418318945	-0.467311552	-0.199151131	0.621144587	-0.56151046	-0.03746841	-0.482818573	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.26367875	-0.511433233	-0.376131631	-0.49510548	-0.4745	2
725	-0.604374677	0.378585942	-0.268041363	-0.467311552	-0.890884889	-0.611935623	-1.164.205.856	0.194801041	-0.446290389	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.453499644	0.949756733	-0.574681735	-43.861	1
726	-0.646783481	-0.301780582	-0.567215415	-0.567380346	-0.199151131	-0.611935623	-0.56151046	-0.03746841	-0.482818573	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.583673711	0.365353339	-0.738315614	-18.135	1
727	-0.12759627	-0.378816868	-0.138041022	-0.067036377	0.492582628	-0.611935623	0.041184936	1.356.148.297	0.065104191	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.001031639	-0.091223987	0.209221805	-0.600798459	-0.8188	1
728	0.222922905	-199.093.148	-0.01196304	0.233170005	1.530.183.265	3.087.305.008	0.945228029	1.588.417.748	0.430386034	-0.813380379	-0.219691167	-0.291605354	-0.741992993	1.819.062.588	0.15022838	1.990.371.574	-0.55470347	-19.582	1
729	-0.591170548	-0.549867832	-0.590541147	-0.467311552	0.146715749	0.621144587	-0.260162762	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.271459772	-0.561129254	0.560832709	-0.268116144	-13.402	1
730	0.125300655	0.049516468	0.44248822	0.333238799	-0.199151131	0.621144587	-0.56151046	0.891609395	0.247745113	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.437328764	0.3038202	-1.506.236.914	0.086639717	-17.865	1
731	-0.352472968	-0.63729388	-0.408563269	-0.267173965	0.492582628	-0.611935623	0.041184936	0.194801041	-0.227121283	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.167057995	-0.332587687	1.289.109.737	-0.524125003	-10.899	1
732	-0.829889153	-1.043.870.257	-0.97400072	-0.767517934	-0.199151131	0.621144587	0.041184936	-0.269737862	-0.738515864	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.632948279	-0.866214629	0.764399005	-0.748968965	0.8652	1
733	-0.661017869	-0.722841083	-0.663657236	-0.66744914	-0.199151131	0.621144587	0.041184936	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.083409512	-0.681300182	0.999922763	-0.286761258	-22.573	1
734	-0.1285214	-1.167.026.952	-0.487045608	-0.067036377	0.838449507	0.621144587	0.945228029	0.194801041	-0.044480362	-0.813380379	0.503076578	0.375846901	-0.193385253	1.385.361.087	-0.213869727	0.141192232	-0.23809161	-0.611	1
735	-0.724347229	-1.321.389.134	-0.78809295	-0.66744914	0.146715749	1.237.684.692	0.041184936	-0.269737862	-0.592403126	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.822480917	-0.739527779	1.173.357.529	-0.726100553	0.067	1
736	0.209165099	1.162.488.076	0.683218618	0.533376387	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	0.211216928	2.740.017.101	-0.219691167	0.375846901	2.001.045.709	-0.94684332	0.434784537	-0.892864043	158.021.644	-84.989	1
737	0.270861464	-0.307963757	0.002146906	-0.067036377	0.146715749	0.004604482	0.342532633	-0.269737862	-0.044480362	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.214917633	-0.014471258	10.344.196	0.269115869	-25.057	1
738	-0.639859023	-0.718529513	-0.592873971	-0.567380346	-0.199151131	0.621144587	-0.260162762	-0.03746841	-0.482818573	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.394073624	-0.606251741	127.372.738	-0.692685981	-0.5033	1
739	-0.639859023	-0.718529513	-0.592873971	-0.567380346	-0.199151131	0.621144587	-0.260162762	-0.03746841	-0.482818573	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.394073624	-0.606251741	0.999374452	-0.69827989	-10.456	2
740	0.630638949	0.526142287	0.798950813	0.833582769	-0.199151131	0.004604482	-0.56151046	-0.734276764	0.795667877	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	-0.156947521	0.811557034	-1.302.519.691	0.770154982	-56.576	1
741	0.223294359	1.019.275.882	0.695372407	0.533376387	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	0.247745113	2.740.017.101	-0.219691167	0.375846901	2.001.045.709	-0.94684332	0.440734759	-0.791003213	1.795.358.915	-78.613	2
742	-0.346137228	-1.604.265.798	-0.658223187	-0.267173965	0.838449507	0.621144587	1.246.575.727	-0.502007313	-0.300177652	-0.813380379	0.503076578	0.375846901	-0.193385253	1.560.705.249	-0.434847707	0.202612379	-0.241853452	-2.284	1
743	-0.647400235	-0.842518836	-0.744484955	-0.567380346	-0.199151131	0.621144587	0.041184936	-0.269737862	-0.555874942	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.632948279	-0.66400298	1.853.369.183	-0.512098304	0.7795	1
744	-0.899582287	-0.639103944	-0.754007097	-0.767517934	-0.199151131	0.004604482	-0.56151046	-0.734276764	-0.811572232	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.122852823	-0.822375783	0.385004403	-0.601011542	0.9757	2
745	-0.338343708	-0.337764636	-0.39431019	-0.267173965	-0.199151131	0.621144587	0.041184936	0.891609395	-0.190593099	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.632948279	-0.331731497	0.366889325	-0.603446721	-11.673	1
746	-0.478115446	-0.085333234	-0.337503782	-0.367242759	-0.54501801	0.004604482	-0.862858158	-0.734276764	-0.300177652	-0.813380379	1.225.844.322	1.043.299.157	0.355222488	-0.518436027	-0.372022672	-0.414853972	-0.463109673	-23.202	1
747	-0.738168112	-0.859750637	-0.708812078	-0.66744914	-0.199151131	0.621144587	-0.260162762	-0.269737862	-0.592403126	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.394073624	-0.713148368	1.173.357.529	-0.728491259	-0.1971	1
748	0.258456311	0.053679613	0.50002034	0.433307593	0.146715749	0.621144587	-0.260162762	0.659339943	0.39385785	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.068216599	0.382962568	-0.950019976	0.471998896	-36.202	1
749	-0.086420973	-0.596603662	-0.285169668	0.033032417	0.146715749	1.237.684.692	0.643880331	-0.03746841	-0.044480362	0.074968991	-0.219691167	-0.291605354	-0.193385253	1.422.844.078	-0.127036628	0.864609149	0.271381864	-10.003	1
750	0.1315593	-0.68746883	0.034025491	0.233170005	0.838449507	0.621144587	0.643880331	0.659339943	0.247745113	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.980460077	0.133261105	-0.396299201	0.049635169	-15.251	1
751	-0.421836699	-0.590992466	-0.332150088	-0.567380346	0.146715749	-0.611935623	0.041184936	-0.734276764	-0.519346758	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.809617455	-0.432677286	-0.360983633	-0.628648534	-17.331	2
752	0.69912661	-0.469609633	0.362845747	0.833582769	1.876.050.144	3.087.305.008	1.547.923.425	-0.03746841	0.722611509	0.963318361	-0.219691167	-0.291605354	0.355222488	2.542.039.601	0.61237694	-0.42158234	1.220.150.189	-28.092	1
753	-0.808197656	-0.284259171	-0.629315249	-0.66744914	-0.54501801	-0.611935623	-0.862858158	-0.502007313	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.673873968	-0.698263833	0.142723123	-0.573810291	-0.0006	2
754	-0.646783481	-0.249614563	-0.565457635	-0.567380346	-0.199151131	-0.611935623	-0.56151046	0.194801041	-0.482818573	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.583673711	0.435988172	-0.760499951	-17.706	1
755	-0.758605077	0.235084138	-0.496351794	-0.66744914	-0.890884889	-0.611935623	-1.164.205.856	-0.502007313	-0.555874942	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.632548086	0.855110185	-0.827785025	-46.704	1
756	-0.836477201	-0.948805742	-0.822992404	-0.767517934	-0.199151131	0.621144587	-0.260162762	-0.269737862	-0.701987679	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.394073624	-0.820044994	0.518748623	-0.785379672	0.9867	2
757	-0.289318822	-0.753934348	-0.282605821	-0.167105171	0.146715749	1.237.684.692	0.041184936	-0.03746841	-0.190593099	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.822480917	-0.257654699	-0.10076388	-0.15846188	-26.561	2
758	-1.039.711.461	-0.501901159	-0.916787512	-0.967655522	-0.54501801	-0.611935623	-0.862858158	-0.269737862	-0.884628601	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.751381169	-0.974254669	-0.677944809	-0.950317843	-0.3857	1

759	1.135.493.652	0.932573859	0.915220386	0.433307593	1.876.050.144	-0.611935623	1.849.271.123	2.052.956.651	0.64955514	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.164994717	0.73031699	2.096.901.061	-0.200112963	-52.838	1
760	-0.857222542	-0.292404455	-0.716676885	-0.767517934	-0.54501801	-0.611935623	-0.862858158	-0.269737862	-0.701987679	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-0.776450259	0.796891076	-0.795196353	-0.6805	1
761	-0.822656318	-1.462.031.038	-0.903478611	-0.767517934	0.146715749	1.237.684.692	0.041184936	-0.269737862	-0.701987679	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.822480917	-0.846424405	0.796891076	-0.778414626	-0.8229	1
762	-0.758605077	0.182918119	-0.498109574	-0.66744914	-0.890884889	-0.611935623	-1.164.205.856	-0.269737862	-0.555874942	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.632548086	0.951448216	-0.855391349	-46.961	2
763	-0.198242568	-0.381930176	-0.251380126	-0.067036377	0.492582628	-0.611935623	0.041184936	-0.269737862	-0.11753673	0.074968991	-0.219691167	0.375846901	0.355222488	0.001031639	-0.160726566	-0.121887895	0.092482247	-18.903	1
764	0.247382784	-0.076681133	0.333546076	0.233170005	0.838449507	-0.611935623	0.643880331	0.659339943	0.284273297	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.009290603	0.283411866	0.464412843	-0.08788908	-44.112	1
765	-0.338960461	-1.039.888.118	-0.579283826	-0.267173965	0.146715749	1.237.684.692	0.643880331	0.194801041	-0.263649468	-0.813380379	-0.219691167	-0.291605354	-0.741992993	1.422.844.078	-0.406698059	234.321.771	-0.280043053	0.3612	1
766	-0.251451565	-0.226554358	-0.353901353	-0.267173965	-0.199151131	0.004604482	0.041184936	-0.03746841	-0.300177652	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.03851463	-0.275830735	-0.186259486	-0.183205591	-21.954	1
767	-0.295913878	0.516874764	0.078743399	-0.067036377	-0.890884889	-0.611935623	-1.164.205.856	-0.269737862	-0.227121283	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	-0.107970035	-0.717947646	0.017285022	-57.905	1
768	-0.871043425	0.117104224	-0.611134788	-0.767517934	-0.890884889	-0.611935623	-1.164.205.856	-0.03746841	-0.701987679	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.751026316	-0.040131335	-0.858352345	-3.816	2
769	-0.84340166	-0.532056811	-0.797333847	-0.767517934	-0.199151131	-0.611935623	-0.56151046	0.194801041	-0.701987679	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.797466963	-0.206927635	-0.860184873	-11.307	1
770	-0.744784194	-0.226554358	-0.575632667	-0.66744914	-0.54501801	0.004604482	-0.862858158	-0.269737862	-0.555874942	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.658927497	1.263.732.381	-0.800211835	-0.8504	1
771	-0.079496514	-0.520581011	-0.292826052	0.033032417	0.492582628	0.621144587	0.945228029	-0.03746841	-0.044480362	0.074968991	-0.219691167	-0.291605354	-0.193385253	1.546.516.772	-0.138250753	1.068.787.346	0.193848397	-10.214	1
772	0.124655867	0.099546612	0.225492866	0.333238799	0.146715749	-0.611935623	-0.260162762	-0.03746841	0.174688744	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.028404156	0.236170276	-0.335350138	0.622082392	-34.776	1
773	0.64710206	0.559266442	-0.229370217	-0.567380346	-0.890884889	-0.611935623	-0.260162762	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.200251844	0.674608511	-0.424004891	-50.402	1
774	0.64710206	0.559266442	-0.229370217	-0.567380346	-0.890884889	-0.611935623	-0.260162762	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.200251844	0.577177975	-0.367366562	-4.808	1
775	-0.639859023	-0.666363494	-0.591116192	-0.567380346	-0.199151131	0.621144587	-0.260162762	0.194801041	-0.482818573	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.394073624	-0.606251741	0.697729646	-0.721137533	-10.453	1
776	-0.744784194	-0.226554358	-0.575632667	-0.66744914	-0.54501801	0.004604482	-0.862858158	-0.03746841	-0.555874942	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.658927497	0.576079438	-0.840595835	-13.093	1
777	-0.528016402	-0.424546302	-0.516282501	-0.367242759	-0.199151131	0.004604482	-0.260162762	-0.502007313	-0.482818573	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.346849291	-0.460978245	0.39802	-0.120350454	-20.885	1
778	-0.745092571	-0.390835687	-0.681395741	-0.66744914	-0.199151131	-0.611935623	-0.56151046	-0.03746841	-0.592403126	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.690570337	0.342956674	-0.788627662	-13.606	2
779	-0.843093283	-0.367196262	-0.691018328	-0.767517934	-0.54501801	0.004604482	-0.862858158	-0.502007313	-0.665459495	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.765824123	0.555188674	-0.862178762	-11.308	1
780	-0.744784194	-0.226554358	-0.575632667	-0.66744914	-0.54501801	0.004604482	-0.862858158	-0.269737862	-0.555874942	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.658927497	0.855110185	-0.815622425	-0.9307	1
781	-0.941402372	-0.361259255	-0.801401851	-0.867586728	-0.54501801	-0.611935623	-0.862858158	-0.269737862	-0.775044048	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.751381169	-0.867358042	-0.119377112	-0.91116048	-0.5607	1
782	0.112019431	0.186574447	-0.36429234	-0.66744914	-0.890884889	-0.611935623	-0.56151046	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.40241743	0.456897239	-0.51044382	-3.55	1
783	-0.843093283	-0.367196262	-0.691018328	-0.767517934	-0.54501801	0.004604482	-0.862858158	-0.03746841	-0.665459495	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.765824123	-0.054075749	-0.888667809	-11.286	2
784	-0.338343708	-0.556203053	-0.406202823	-0.267173965	0.492582628	-0.611935623	0.041184936	0.427070492	-0.190593099	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.167057995	-0.321006083	0.628417899	-0.603446721	-14.629	1
785	-0.941402372	-0.360680035	-0.800849406	-0.867586728	-0.54501801	-0.611935623	-0.862858158	-0.03746841	-0.775044048	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.751381169	-0.867358042	-0.487984619	-0.93694639	-0.6806	2
786	0.041688519	0.955959874	0.354182406	0.133101211	-0.54501801	0.004604482	-0.862858158	2.285.226.102	0.320801481	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	0.196245514	0.137831656	-0.707309588	-63.476	1
787	1.010.958.527	2.881.396.412	1.594.049.674	1.133.789.151	-0.890884889	-0.611935623	-1.164.205.856	4.607.920.615	141.664.701	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	1.291.591.188	0.289625175	-0.432996538	-83.339	1
788	-0.382820038	0.060159639	-0.694729754	-0.867586728	-0.890884889	-0.611935623	0.041184936	-0.734276764	-0.775044048	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.581771101	0.573099229	-0.882677545	-21.955	1
789	-0.843093283	-0.220038131	-0.685463745	-0.767517934	-0.54501801	-0.611935623	-0.862858158	-0.502007313	-0.665459495	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.751381169	-0.760461416	0.555188674	-0.862178762	-0.9302	1
790	-0.969352514	-0.076282919	-0.728830674	-0.867586728	-0.890884889	-0.611935623	-1.164.205.856	-0.269737862	-0.811572232	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.857922942	0.119769649	-0.882677545	-32.439	1
791	-0.955531632	-0.537342195	-0.807559101	-0.867586728	-0.54501801	0.004604482	-0.862858158	-0.03746841	-0.811572232	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.884302353	-0.296964072	-0.889343483	-0.1793	2
792	-0.983481774	-0.224237478	-0.761324481	-0.867586728	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.848100417	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.863148943	0.227904052	-0.830822388	-21.675	1
793	0.827257127	1.031.910.123	1.038.214.721	1.033.720.357	-0.199151131	-0.611935623	-0.56151046	-0.502007313	1.014.836.983	-0.813380379	1.225.844.322	2.378.203.668	1.452.437.969	-0.223866307	1.019.950.152	-1.181.290.013	1.014.500.794	-52.721	1
794	-0.064210842	-0.35249855	0.031067399	-0.067036377	1.184.316.386	0.621144587	0.643880331	0.194801041	-0.044480362	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.381579294	-0.047356434	0.255218798	-0.199576827	-25.656	1
795	1.169.366.029	0.732525683	0.425452827	0.333238799	-0.54501801	-0.611935623	1.246.575.727	-0.734276764	0.357329666	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	-0.681497627	0.799247675	-0.90837346	0.351203673	-62.893	1
796	-0.436652797	-0.697424177	-0.522140929	-0.367242759	0.492582628	-0.611935623	0.041184936	0.194801041	-0.300177652	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.167057995	-0.427902709	0.703445744	-0.630747375	-0.4337	1
797	-0.323885046	0.365879299	-0.119112249	-0.167105171	-0.54501801	0.004604482	-0.862858158	-0.502007313	-0.190593099	0.074968991	0.503076578	0.375846901	0.355222488	-0.518436027	-0.193946944	-0.793634848	-0.262718801	-3.468	1
798	-0.338343708	-0.442096674	-0.397825749	-0.267173965	-0.199151131	0.621144587	0.041184936	0.427070492	-0.190593099	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.632948279	-0.331731497	2.197.088.525	-0.545382439	-0.8608	2
799	0.251840229	0.758771599	0.528659588	0.433307593	-0.54501801	-0.611935623	-0.862858158	-0.734276764	0.430386034	0.074968991	-0.219691167	1.043.299.157	0.903830228	-0.751381169	0.435902993	-0.60800042	0.486247102	-51.693	1
800	-0.559891339	-0.027222968	-0.522874174	-0.567380346	-0.54501801	0.004604482	-0.56151046	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	-0.538498363	0.577177975	-0.365651531	-1.552	1
801	-0.078515316	-0.46950103	0.015699385	0.033032417	1.184.316.386	0.621144587	0.643880331	0.427070492	0.065104191	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.577041445	-0.024593421	0.21905025	-0.09933985	-20.696	1
802	-0.005780467	-0.347937191	0.014569384	0.033032417	0.492582628	0.004604482	0.342532633	-0.502007313	-0.081008546	0.963318361	-0.219691167	-0.291605354	0.355222488	0.343037461	-0.000784932	-0.077072876	0.518053911	-27.436	1
803	-0.213556274	-0.124032384	-0.438437986	-0.367242759	-0.199151131	0.004604482	0.342532633	-0.502007313	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.116021832	-0.308673794	0.654617673	-0.140559285	-13.884	1
804	-0.178071929	0.62171362	-0.118228337	-0.267173965	-0.890884889	-0.611935623	-0.56151046	-0.734276764	-0.373234021	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	-0.171943645	0.289061384	0.083125295	-53.576	1
805	-0.577041288	-0.431055289	-0.599345111	-0.467311552	0.146715749	-0.611935623	-0.260162762	-0.03746841	-0.482818573	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.111629102	-0.543506833	-0.055217324	-0.381805209	-0.4992	2
806	0.133087167	-0.03874221	-0.201830836	-0.167105171	0.146715749	0.621144587	0.945228029	-0.502007313	-0.190593099	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.667042977	-0.045953306	0.993864207	0.083193107	-27.494	1
807	0.019912919	0.113788189	0.103068554	0.033032417	0.146715749	0.004604482	0.041184936	-0.269737862	0.028576007	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.135135385	0.054523967	0.333094621	0.008272331	-39.214	1
808	-0.043416441	-0.13253968	-0.058388505	0.033032417	0.492582628	-0.611935623	0.041184936	1.123.878.846	0.13816056	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.167057995	-0.000316204	0.666177792	-0.508657674	-20.408	1
809	-0.62603814	-1.084.596.677	-0.667805596	-0.567380346	0.146715749	0.621144587	0.041184936	-0.03746841	-0.482818573	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.589535775	-0.627268445	127.372.738	-0.689482777	0.4853	1
810	-0.772734336	0.146029033	-0.549436732	-0.66744914	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.592403126	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.94684332	-0.649440613	-0.564351209	-0.823562253	-42.719	1
811	-0.310064163	0.019831433	-0.176867857	-0.167105171	-0.54501801	0.004604482	-0.56151046	0.427070492	-0.190593099	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.156947521	-0.214059964	-0.706071186	-0.270844763	-24.657	2
812	1.018.653.927	0.654113749	0.80194406	0.633445181	1.530.183.265	-0.611935623	1.547.923.425	0.891609395	0.64955514	0.963318361	-0.219691167	-0.291605354	0.355222488	0.188234826	0.756779972	-0.598553348	1.031.286.878	-50.813	1
813	-0.534884792	-0.61578309	-0.472370661	-0.367242759	0.492582628	-0.611935623	0.041184936	-0.734276764	-0.482818573	0.963318361	-0.219691167	-0.291605354	0.355222488	0.14503409	-0.463548174	0.138648904	0.094995994	-0.1191	1
814	-0.534884792	-0.61578309	-0.472370661	-0.367242759	0.492582628	-0.611935623	0.041184936	-0.734276764	-0.482818573	0.963318361	-0.219691167	-0.291605354	0.355222488	0.14503409	-0.463548174	0.246446267	0.080311982	-0.4658	2
815	0.284598244	-1.370.514.247	-0.263973359	0.033032417	0.492582628	2.470.764.902	2.150.618.821	0.659339943	0.174688744	-0.813380379	-0.219691167	-0.291605354	-0.741992993	2.348.271.597	-0.105892473	2.309.065.752	-0.163020061	-0.0256	1
816	0.139114529	1.095.233.371	0.628300568	0.433307593	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	0.174688744	2.740.017.101	-0.219691167	-0.291605354	1.452.437.969	-0.94684332	0.350733359	-0.514721902	1.582.661.758	-7.343	1
817	-0.345527483	0.18610383	-0.191055648	-0.167105171	0.146715749	0.004604482	-0.260162762	-0.502007313	-0.300177652	0.963318361	-0.219691167	-0.291605354	0.355222488	0.104798111	-0.274685701	0.244685031	0.320372222	-29.374	1
818	0.391051282	-1.218.483.426	0.067744722	0.533376387	1.876.050.144	-0.611935623	1.246.575.727	1.123.878.846	0.503442403	-0.813380379	-0.219691167	-0.291605354	-0.741992993	228.389.403	0.418847608	2.814.419.921	0.26788681	-20.083	1
819	-0.836477201	-0.948805742	-0.822992404	-0.767517934	-0.199151131	0.621144587	-0.260162762	-0.269737862	-0.701987679	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.394073624	-0.820044994	0.796891076	-0.779785763	0.2868	1
820	0.897931459	0.828603834	0.470979313	0.333238799	0.838449507	-0.611935623	1.547.923.425	0.659339943	0.39385785	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.087487515	0.584175599	0.365379121	0.318092133	-54.956	1
821	-0.443549221	-0.795529598	-0.467009434	-0.367242759	-0.199151131	0.621144587	0.041184936	-0.03746841	-0.300177652	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.459298264	-0.42593765	178.438.711	-0.519728919	-0.6325	1
822	-0.744784194	-0.225975138	-0.575080222	-0.66744914	-0.54501801	0.004604482	-0.862858158	-0.269737862	-0.555874942	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.658927497	0.500530195	-0.836263702	-15.402	2
823	-0.213556274	0.171007904	-0.39072432	-0.367242759	-0.199151131	-0.611935623	0.342532633	-0.502007313	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.033274827	-0.306782223	0.707546584	-0.140559285	-34.881	2
824	0.279201652	-0.338126649	0.232534028	0.433307593	0.146715749	0.621144587	0.342532633	-0.269737862	0.39385785	-0.813380379	1.225.844.322	1.710.751.412	0.903830228	0.647136755	0.342661102	-0.911360083	0.346910017	-27.696	1
825	0.237423618	1.187.177.337	0.744841341	0.533376387	-0.890884889	-0.611935623	-1.164.205.856	-0.502007313	0.284273297	2.740.017.101	-0.219691167	-0.291605354	1.452.437.969	-0.94684332	0.457629985	-0.537322602	1.625.982.005	-6.796	1
826	-0.268244078	0.142517511	-0.122554986	-0.067036377	-0.199151131	0.004604482	-0.260162762	-0.502007313	-0.227121283	1.851.667.731	-0.219691167	-0.291605354	0.903830228	-0.061228244	-0.177423731	-0.609519044	0.468659969	-3.414	1
827	-0.490170171	-0.82398379	-0.731904276	-0.567380346	-0.199151131	0.621144587	0.342532633	-0.03746841	-0.519346758	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.632948279	-0.586278817	1.166.640.473	-0.61073985	-0.7953	2

828	-1.053.840.721	-0.678563319	-0.923497207	-0.967655522	-0.54501801	0.004604482	-0.862858158	-0.502007313	-0.921156785	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.991198979	-0.12551673	-0.89574989	0.3621	2
829	0.418756124	0.40291319	0.181975271	0.533376387	0.146715749	0.621144587	0.945228029	-0.03746841	0.430386034	0.963318361	-0.219691167	-0.291605354	0.355222488	0.37077911	0.343997299	-0.489470963	0.812851883	-41.718	2
830	-0.955811974	-0.610396343	-0.876911031	-0.867586728	-0.199151131	-0.611935623	-0.260162762	-0.269737862	-0.848100417	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.254996249	-0.9195612	0.62224776	-0.830904327	-0.4579	2
831	-0.085474817	-0.402564896	-0.232393597	-0.267173965	0.492582628	0.621144587	0.643880331	0.891609395	-0.190593099	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.632948279	-0.215575073	0.366889325	-0.585293857	-0.9301	1
832	-0.857222542	-0.44886631	-0.693931219	-0.767517934	-0.54501801	0.004604482	-0.862858158	-0.269737862	-0.701987679	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.777405727	0.779696118	-0.82143154	-0.515	2
833	-0.857222542	-0.396700291	-0.69217344	-0.767517934	-0.54501801	0.004604482	-0.862858158	-0.269737862	-0.701987679	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.777405727	0.561582235	-0.82143154	-0.4198	2
834	-0.646475105	-0.033167215	-0.457936781	-0.567380346	-0.54501801	0.004604482	-0.862858158	0.194801041	-0.446290389	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.55203087	0.779821005	-0.79411221	-17.356	2
835	0.701313281	0.546161585	0.239103101	0.133101211	0.838449507	-0.611935623	1.547.923.425	0.194801041	0.174688744	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.087487515	0.370382347	0.439122582	0.241215447	-4.831	1
836	0.818223092	0.634130653	0.71452718	0.733513975	0.146715749	0.004604482	0.342532633	0.194801041	0.64955514	0.963318361	-0.219691167	-0.291605354	0.355222488	0.03851463	0.806668035	-0.221207896	0.705450642	-53.544	1
837	-0.191030758	-2.095.154.914	-0.342428076	-0.167105171	1.184.316.386	3.087.305.008	0.643880331	0.659339943	-0.007952178	-0.813380379	-0.219691167	-0.291605354	-0.741992993	1.449.950.422	-0.243650947	1.626.247.599	-0.60648293	0.4084	1
838	-0.528037428	-1.146.175.024	-0.657791275	-0.467311552	0.146715749	1.237.684.692	0.342532633	0.194801041	-0.409762205	-0.813380379	-0.219691167	-0.291605354	-0.741992993	1.183.969.424	-0.562740073	0.985354401	-0.577025215	-0.9916	1
839	-0.669021646	-0.068137635	-0.704271984	-0.867586728	-0.890884889	-0.611935623	-0.56151046	-0.502007313	-0.775044048	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.71405622	0.349223656	-0.907217028	-23.541	1
840	-0.345240132	-0.602142455	-0.349313549	-0.267173965	-0.199151131	0.621144587	0.041184936	0.427070492	-0.190593099	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.459298264	-0.319041024	1.464.717.638	-0.512408487	-0.6823	1
841	-1.062.258.003	-0.380192516	-1.179.475.086	-1.267.861.904	-0.890884889	-0.611935623	-0.56151046	-0.734276764	-121.338.226	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-1.148.532.067	-2.201.142.816	-0.981418343	-10.513	2
842	0.011754954	-0.343375832	-0.255975463	-0.067036377	1.184.316.386	-0.611935623	0.945228029	0.427070492	0.028576007	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.557982297	-0.143644512	2.203.461.649	-0.244830347	0.4276	1
843	0.51035802	0.107148877	0.389805061	0.633445181	1.184.316.386	-0.611935623	0.945228029	0.427070492	0.613026956	0.074968991	-0.219691167	-0.291605354	-0.193385253	1.080.626.488	0.513854419	0.616252684	0.485116368	-50.389	1
844	-0.849989707	-0.374038301	-0.633415897	-0.767517934	-0.54501801	0.004604482	-0.862858158	0.194801041	-0.665459495	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.692086042	-0.753133649	-0.349328706	-0.916078715	-0.4405	1
845	0.736601387	0.5781273	0.319697286	0.233170005	0.492582628	-0.611935623	1.246.575.727	1.356.148.297	0.430386034	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.001031639	0.4450769	2.425.882.216	-0.376279433	-24.361	1
846	0.34263614	0.378766948	0.584833195	0.533376387	-0.199151131	-0.611935623	-0.260162762	0.427070492	0.466914218	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.32127973	0.482759446	-0.645628672	0.6549808	-35.702	1
847	-0.310141257	-0.466098111	-0.295487833	-0.267173965	0.838449507	-0.611935623	0.342532633	-0.502007313	-0.373234021	0.963318361	-0.219691167	-0.291605354	0.355222488	0.14503409	-0.293534639	-0.059527387	0.146547086	-17.561	1
848	1.004.819.027	0.103137777	0.884469291	0.933651563	0.492582628	0.621144587	1.246.575.727	-0.269737862	0.832196061	0.963318361	-0.219691167	0.375846901	0.903830228	1.012.013.555	0.904556072	-0.707620306	1.657.729.123	-3.783	1
849	0.118046794	-0.406619437	0.202619134	0.233170005	0.492582628	1.854.224.797	0.041184936	0.194801041	0.284273297	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.593135836	0.184084329	-0.000409717	0.057419761	-12.298	1
850	-0.646475105	-0.033167215	-0.457936781	-0.567380346	-0.54501801	0.004604482	-0.862858158	0.427070492	-0.446290389	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.55203087	0.199700909	-0.834496211	-20.171	2
851	0.10335685	-1.346.585.213	0.008299134	0.233170005	1.530.183.265	1.854.224.797	1.246.575.727	-0.269737862	0.174688744	0.963318361	-0.219691167	-0.291605354	0.355222488	1.975.771.138	0.07085189	-0.129286151	0.722187295	-25.301	1
852	0.005300069	-0.187203586	-0.04558936	0.133101211	0.492582628	0.004604482	0.342532633	-0.502007313	0.101632375	0.074968991	-0.219691167	0.375846901	0.355222488	0.255788917	0.039377749	-0.540449908	0.215657993	-29.338	1
853	0.636708363	0.186212434	0.523511806	0.533376387	1.530.183.265	-0.611935623	1.246.575.727	0.891609395	0.503442403	0.963318361	-0.219691167	-0.291605354	0.355222488	0.289883615	0.529669227	-0.736176403	0.64261455	-39.049	1
854	0.026942506	0.107112676	0.083363847	0.133101211	0.146715749	-0.611935623	-0.260162762	0.659339943	0.211216928	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.028404156	0.110704599	-0.381179354	-0.288997961	-29.076	1
855	0.124319456	-0.397026103	-0.27387468	0.033032417	0.492582628	0.004604482	1.547.923.425	-0.502007313	0.065104191	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.283954102	-0.068026945	0.22274059	0.035286183	-20.584	1
856	0.569089764	0.18722607	0.269103373	0.533376387	0.492582628	0.004604482	1.246.575.727	-0.269737862	0.466914218	0.963318361	-0.219691167	-0.291605354	0.355222488	0.046773594	0.426410149	-0.173565287	0.968275415	-39.548	1
857	0.812819491	0.985681111	0.986058895	1.033.720.357	0.146715749	-0.611935623	-0.260162762	0.659339943	0.941780614	0.963318361	0.503076578	0.375846901	0.903830228	-0.111629102	0.978858379	-1.507.470.404	115.427.972	-60.524	1
858	0.307460171	-0.715742016	0.384318278	0.433307593	0.492582628	1.237.684.692	0.342532633	1.123.878.846	0.466914218	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.844293053	0.375398828	-0.478887007	0.1099043	-13.016	1
859	-0.646475105	-0.085333234	-0.459694561	-0.567380346	-0.54501801	0.004604482	-0.862858158	0.194801041	-0.446290389	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.55203087	0.556199379	-0.814753488	-20.578	1
860	0.487236777	1.280.793.801	0.33251652	0.133101211	-0.890884889	-0.611935623	0.041184936	-0.502007313	0.028576007	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.381975058	-0.186293821	0.261931768	-83.748	1
861	0.60900352	0.66015936	0.702072058	0.733513975	0.838449507	-0.611935623	0.945228029	1.123.878.846	0.759139693	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.948906598	0.652033914	1.152.076.811	0.463806355	-64.491	1
862	0.754816638	0.163188431	0.528375832	0.633445181	0.146715749	0.004604482	1.246.575.727	-0.269737862	0.576498771	0.074968991	0.503076578	0.375846901	0.355222488	0.529605343	0.674859913	-0.564210675	0.692360595	-43.757	1
863	1.421.597.141	207.403.586	0.738915114	0.633445181	-0.199151131	-0.611935623	1.547.923.425	-0.734276764	0.539970587	0.963318361	-0.219691167	0.375846901	0.903830228	-0.555919019	1.055.959.932	-0.574752187	1.223.689.752	-114.795	1
864	0.970056563	1.753.871.896	0.584130083	0.333238799	-0.890884889	-0.611935623	0.643880331	-0.502007313	0.247745113	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.72805343	0.064258996	0.753952301	-7.93	1
865	0.970056563	1.753.871.896	0.584130083	0.333238799	-0.890884889	-0.611935623	0.643880331	-0.502007313	0.247745113	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.72805343	-0.058300514	0.753952301	-78.306	1
866	0.412385342	0.467402119	0.465592975	0.533376387	0.838449507	0.004604482	0.945228029	0.659339943	0.539970587	0.074968991	-0.219691167	-0.291605354	-0.193385253	1.135.050.944	0.434714274	1.047.695.159	0.525883018	-59.721	1
867	0.639708027	0.274941728	0.374301447	0.333238799	1.530.183.265	-0.611935623	1.547.923.425	0.891609395	0.430386034	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.289883615	0.434628586	0.19770496	0.223208684	-36.577	1
868	0.838660057	0.742589634	0.559870217	0.733513975	0.838449507	-0.611935623	1.246.575.727	0.194801041	0.613026956	0.963318361	-0.219691167	-0.291605354	0.355222488	0.719137981	0.737431659	-0.41131636	1.110.726.588	-59.343	1
869	0.975810592	1.096.456.973	0.555387879	0.933651563	0.492582628	-0.611935623	1.547.923.425	0.427070492	0.868724246	0.963318361	-0.219691167	-0.291605354	0.355222488	0.357649475	0.811273464	-0.524704296	1.157.887.585	-64.939	1
870	0.476121199	0.05501906	0.394792132	0.333238799	1.184.316.386	-0.611935623	0.643880331	0.194801041	0.39385785	-0.813380379	0.503076578	0.375846901	-0.193385253	0.167057995	0.418133361	0.252847557	-0.060971631	-37.306	1
871	0.209382365	-0.663141582	0.274236089	0.233170005	0.492582628	1.237.684.692	0.945228029	0.427070492	0.211216928	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.935565195	0.234585366	-0.75428148	0.151834275	-14.298	1
872	0.970056563	1.753.871.896	0.584130083	0.333238799	-0.890884889	-0.611935623	0.643880331	-0.502007313	0.247745113	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.72805343	0.010665746	0.753952301	-85.801	2
873	0.72864667	1.517.332.849	0.458323301	0.233170005	-0.890884889	-0.611935623	0.342532633	-0.502007313	0.13816056	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.555014245	-0.03271735	0.63340037	-70.502	2
874	1.211.466.457	1.990.410.944	0.709936865	0.433307593	-0.890884889	-0.611935623	0.945228029	-0.502007313	0.357329666	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.901092615	0.105325077	0.875362186	-82.605	1
875	0.970056563	1.753.871.896	0.584130083	0.333238799	-0.890884889	-0.611935623	0.643880331	-0.502007313	0.247745113	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.72805343	-0.080074359	0.688923109	-8.21	2
876	0.970056563	1.753.871.896	0.584130083	0.333238799	-0.890884889	-0.611935623	0.643880331	-0.502007313	0.247745113	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.72805343	0.136877758	0.680532246	-86.036	1
877	0.513715121	0.176257087	0.450106938	0.533376387	0.838449507	0.004604482	0.643880331	0.194801041	0.503442403	0.963318361	-0.219691167	-0.291605354	0.355222488	0.327366606	0.53337018	-0.594757675	0.513684459	-33.918	1
878	-0.085474817	-0.8500849	-0.319629677	-0.267173965	0.492582628	-0.611935623	0.643880331	-0.734276764	-0.190593099	-0.813380379	-0.219691167	0.375846901	-0.193385253	0.499110706	-0.316381797	0.994216899	0.087489687	-1.66	2
879	0.72864667	1.517.332.849	0.458323301	0.233170005	-0.890884889	-0.611935623	0.342532633	-0.502007313	0.13816056	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.555014245	0.016851158	0.63340037	-75.226	1
880	0.23829268	0.0275061	-0.15765784	-0.067036377	0.146715749	0.004604482	0.945228029	-0.03746841	-0.081008546	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.311483983	0.05714194	0.186916275	0.051896379	-27.656	1
881	0.237304473	-0.508055374	0.161831119	0.233170005	0.838449507	0.004604482	0.945228029	-0.502007313	0.247745113	0.074968991	0.503076578	0.375846901	0.355222488	0.52621705	0.216835192	-0.546040708	0.248568836	-18.773	1
882	0.629503562	0.303323518	0.359531078	0.733513975	0.492582628	0.004604482	0.945228029	0.194801041	0.686083324	0.963318361	-0.219691167	-0.291605354	0.355222488	0.222964829	0.574362634	-0.431321953	0.738526113	-34.377	1
883	0.551288018	0.640292107	0.287617812	0.133101211	0.492582628	-0.611935623	0.945228029	0.194801041	0.174688744	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.360456868	0.317345484	0.496416452	0.159060634	-54.374	1
884	0.826647382	1.601.464.582	0.50457801	0.333238799	-0.54501801	-0.611935623	0.643880331	-0.734276764	0.211216928	1.851.667.731	-0.219691167	-0.291605354	0.903830228	-0.66857976	0.607086964	-0.205140031	1.229.150.145	-91.609	1
885	0.925180746	0.235301346	0.769676253	0.633445181	2.221.917.023	-0.611935623	2.150.618.821	0.194801041	0.722611509	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.827775125	0.763729255	2.062.035.069	0.116458658	-40.055	1
886	0.72864667	1.517.332.849	0.458323301	0.233170005	-0.890884889	-0.611935623	0.342532633	-0.502007313	0.13816056	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.555014245	-0.090859096	0.63340037	-7.62	1
887	-0.408450347	-0.48756908	-0.405758356	-0.367242759	0.492582628	0.004604482	0.342532633	-0.734276764	-0.482818573	0.963318361	-0.219691167	-0.291605354	0.355222488	0.206446901	-0.39647328	0.396933752	0.222056278	-26.471	1
888	0.706758933	0.838305772	0.575722876	0.833582769	-0.199151131	0.004604482	0.643880331	0.194801041	0.759139693	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.135135385	0.68315558	-0.621646299	0.965913652	-46.947	2
889	1.965.538.591	1.797.921.592	1.693.256.231	2.034.408.297	0.838449507	0.004604482	1.547.923.425	1.123.878.846	1.854.985.222	1.851.667.731	-0.219691167	-0.291605354	0.903830228	0.564123578	1.925.305.871	-1.236.173.497	2.404.166.849	-80.025	1
890	0.461690571	-0.129057119	0.546543738	0.633445181	0.492582628	0.004604482	0.342532633	-0.03746841	0.576498771	0.074968991	-0.219691167	0.375846901	0.355222488	0.488098754	0.554207075	-0.236903791	0.792995609	-23.262	2
891	0.487236777	1.280.793.801	0.33251652	0.133101211	-0.890884889	-0.611935623	0.041184936	-0.502007313	0.028576007	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.381975058	-0.085988991	0.513657673	-72.505	1
892	0.487236777	1.280.793.801	0.33251652	0.133101211	-0.890884889	-0.611935623	0.041184936	-0.502007313	0.028576007	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.381975058	-0.129249493	0.448628481	-69.069	1
893	0.552766825	0.425213168	0.622793696	0.733513975	0.492582628	0.004604482	0.342532633	0.891609395	0.64955514	0.963318361	-0.219691167	-0.291605354	0.355222488	0.255788917	0.645039983	-1.257.893.561	0.609972205	-47.009	2
894	0.994593536	-0.376051091	0.752116037	1.033.720.357	1.530.183.265	0.621144587	1.849.271.123	0.194801041	0.941780614	0.963318361	-0.219691167	-0.291605354	0.355222488	1.750.026.118	0.891657959	-0.615058899	1.555.472.537	-31.742	1
895	0.72864667	1.517.332.849	0.458323301	0.233170005	-0.890884889	-0.611935623	0.342532633	-0.502007313	0.13816056	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.555014245	-0.10591494	0.585152904	-73.102	1
896	1.155.902.583	-0.681343576	0.689011757	1.033.720.357	2.567.783.902	0.621144587	2.753.314.216	0.427070492	0.978308799	0.963318361	-0.219691167	-0.291605354	0.355222488	2.218.457.622	0.924803041	-0.685076475	1.565.123.741	-22.379	2

897	1.079.488.239	1.427.336.511	1.370.435.025	1.333.926.739	0.146715749	-0.611935623	-0.260162762	1.356.148.297	1.197.477.905	1.851.667.731	-0.219691167	-0.291605354	0.903830228	-0.360456868	1.284.504.173	-1.491.664.209	1.408.512.538	-85.758	1
898	0.461690571	-0.129057119	0.546543738	0.633445181	0.492582628	0.004604482	0.342532633	-0.03746841	0.576498771	0.074968991	-0.219691167	0.375846901	0.355222488	0.488098754	0.554207075	-0.216894224	0.792995609	-24.599	1
899	0.770438721	0.576534444	0.835196224	0.933651563	0.838449507	0.004604482	0.643880331	0.891609395	0.90525243	0.963318361	-0.219691167	-0.291605354	0.355222488	0.611559679	0.851807594	-0.574473589	0.927627192	-53.694	1
900	1.111.839.758	0.753884428	0.515900621	0.933651563	-0.199151131	0.621144587	1.849.271.123	-0.269737862	0.832196061	0.963318361	-0.219691167	-0.291605354	0.355222488	0.285648249	0.8557214	-0.680635162	1.328.193.503	-73.023	1
901	-0.127827553	-0.426819741	-0.078532656	0.033032417	0.838449507	0.004604482	0.342532633	-0.269737862	-0.044480362	0.963318361	-0.219691167	-0.291605354	0.355222488	0.573441383	-0.06234108	-0.034145126	0.411441295	-22.644	1
902	0.720677936	-0.3321462	0.351789315	0.733513975	1.184.316.386	0.004604482	1.849.271.123	-0.03746841	0.613026956	1.851.667.731	-0.219691167	-0.291605354	0.903830228	0.943188854	0.54218112	-0.863672625	1.677.246.647	-38.248	1
903	-0.008520814	-0.274955446	0.039268696	0.133101211	-0.199151131	0.621144587	0.041184936	0.427070492	0.101632375	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.459298264	0.05593543	-0.37690588	0.030481867	-16.917	1
904	127.146.675	0.13245356	0.916551276	1.033.720.357	1.876.050.144	-0.611935623	1.849.271.123	0.194801041	0.978308799	0.963318361	-0.219691167	0.375846901	0.903830228	0.442145031	1.082.772.841	-0.920208927	1.633.953.411	-56.768	1
905	0.180233758	0.161334927	-0.038407575	0.333238799	0.146715749	0.004604482	0.643880331	-0.502007313	0.174688744	0.963318361	-0.219691167	0.375846901	0.903830228	0.282259956	0.158118044	-0.699166054	0.859921101	-51.395	1
906	-0.955223255	-0.04735811	-0.728228006	-0.867586728	-0.890884889	-0.611935623	-1.164.205.856	-0.502007313	-0.775044048	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.846341338	0.349223656	-0.922627618	-35.832	1
907	-0.856914166	0.198195052	-0.608774342	-0.767517934	-0.890884889	-0.611935623	-1.164.205.856	0.194801041	-0.665459495	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.739444712	-0.349328706	-0.927662888	-44.694	1
908	0.209165099	1.197.530.898	0.727615103	0.533376387	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	0.211216928	362.836.647	-0.219691167	-0.291605354	2.001.045.709	-0.94684332	0.422878696	-0.62647622	2.010.545.105	-81.924	1
909	0.391654018	1.401.054.394	0.948944639	0.733513975	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	0.39385785	362.836.647	-0.219691167	-0.291605354	2.001.045.709	-0.94684332	0.624766107	-0.896948095	2.013.554.432	-86.679	1
910	0.321603448	1.130.927.815	0.814323849	0.633445181	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	0.357329666	2.740.017.101	-0.219691167	0.375846901	2.001.045.709	-0.94684332	0.547634085	-0.82006539	1.922.185.245	-79.663	2
911	0.04080544	0.983581437	0.509349126	0.333238799	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	0.065104191	2.740.017.101	-0.219691167	-0.291605354	1.452.437.969	-0.94684332	0.243836733	-0.578595999	1.441.450.828	-73.854	1
912	-0.310043138	0.566108481	0.069753613	-0.067036377	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.263649468	1.851.667.731	-0.219691167	-0.291605354	0.903830228	-0.94684332	-0.137092641	-0.140993095	0.526165582	-51.903	1
913	-0.267788522	0.588372257	0.016442675	-0.167105171	-0.54501801	-0.611935623	-0.862858158	-0.734276764	-0.336705836	1.851.667.731	-0.219691167	-0.291605354	0.903830228	-0.94684332	-0.176721785	-0.099901149	0.45309525	-50.981	2
914	-0.492532056	0.323777231	-0.145649696	-0.267173965	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.446290389	0.963318361	-0.219691167	0.375846901	0.903830228	-0.94684332	-0.332702894	-0.0995323	0.242563446	-39.756	1
915	0.04080544	0.983581437	0.509349126	0.333238799	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	0.065104191	2.740.017.101	-0.219691167	-0.291605354	1.452.437.969	-0.94684332	0.243836733	-0.329448381	0.840898411	-67.447	1
916	-0.043374389	0.717429757	0.339346748	0.233170005	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.007952178	1.851.667.731	-0.219691167	0.375846901	1.452.437.969	-0.94684332	0.16075179	-0.826755048	1.040.611.593	-7.733	1
917	-0.211734048	0.677760414	0.188705055	0.033032417	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.154064915	1.851.667.731	-0.219691167	-0.291605354	0.903830228	-0.94684332	-0.030196015	-0.314193404	0.796484588	-69.555	1
918	-0.716813026	0.137847548	-0.455646646	-0.567380346	-0.890884889	-0.611935623	-1.164.205.856	-0.502007313	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.578261511	0.163382228	-0.526485298	-32.924	2
919	-0.520194848	0.289422233	-0.214680203	-0.367242759	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.373234021	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.364468258	0.940343056	-0.264474851	-39.807	1
920	-0.421885758	0.499642963	-0.110192774	-0.267173965	-0.890884889	-0.611935623	-1.164.205.856	0.427070492	-0.263649468	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.257571632	-0.719925051	-0.454323594	-52.551	1
921	0.269263512	0.644086	-0.139110756	-0.167105171	-0.199151131	-0.611935623	0.945228029	-0.502007313	-0.190593099	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.033274827	0.039296148	1.067.759.905	0.006290529	-50.963	1
922	-0.04610072	0.677318758	-0.306210287	-0.467311552	-0.890884889	-0.611935623	0.041184936	-0.734276764	-0.482818573	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.206794648	0.795274945	-0.340440606	-45.619	2
923	-1.144.916.975	-0.815042078	-0.980971571	-1.067.724.316	-0.54501801	-0.611935623	-0.862858158	-0.734276764	-0.994213154	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.878230388	-1.070.297.142	-0.507561516	-0.959042707	11.777	1
924	-0.373169249	0.362367776	-0.063016487	-0.167105171	-0.54501801	0.004604482	-0.862858158	-0.269737862	-0.300177652	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.692086042	-0.216973995	-0.715217102	-0.097864195	-35.042	1
925	-0.604991431	-0.333601491	-0.509623029	-0.467311552	-0.199151131	-0.611935623	-0.56151046	-0.269737862	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.389892663	-0.529387136	0.223662042	-0.385096092	-15.016	1
926	0.307439146	0.80728129	-0.138598489	-0.267173965	-0.54501801	0.004604482	0.643880331	-0.734276764	-0.263649468	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	0.046761753	1.129.712.624	-0.337550397	-42.793	1
927	-0.702992143	-0.152110083	-0.529729514	-0.567380346	-0.54501801	0.004604482	-0.862858158	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	-0.604640922	0.577177975	-0.377814131	-1.191	1
928	-0.34666287	-0.099379324	-0.574276666	-0.66744914	-0.54501801	0.004604482	-0.56151046	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	-0.585534326	0.399064665	-0.569179865	-1.092	1
929	-0.68917126	-0.37230064	-0.603104247	-0.567380346	-0.199151131	0.004604482	-0.56151046	-0.502007313	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.322973877	-0.625657626	0.20601227	-0.481847115	-0.4919	2
930	-0.416790534	0.097664147	-0.516018834	-0.567380346	-0.54501801	0.004604482	-0.260162762	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	-0.472355803	0.674608511	-0.416299595	-16.559	1
931	-0.416790534	0.097664147	-0.516018834	-0.567380346	-0.54501801	0.004604482	-0.260162762	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	-0.472355803	0.569492041	-0.500845438	-1.559	1
932	0.206284581	0.176655301	-0.380920933	-0.567380346	-0.54501801	0.004604482	-0.260162762	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	-0.352634478	0.577177975	-0.359661267	-21.225	1
933	-0.941710749	-0.616224746	-0.909083416	-0.867586728	-0.54501801	0.004604482	-0.56151046	-0.502007313	-0.811572232	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.156947521	-0.909726297	0.687083929	-0.823199032	0.2777	1
934	-0.331398224	-0.229595265	-0.226946992	-0.167105171	-0.54501801	0.621144587	-0.260162762	-0.269737862	-0.263649468	0.963318361	-0.219691167	-0.291605354	0.355222488	0.177434642	-0.26786987	-0.264266556	0.26288071	-20.674	1
935	-0.153142476	-0.114902425	-0.234949911	-0.167105171	-0.199151131	0.004604482	0.041184936	-0.03746841	-0.190593099	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.03851463	-0.168934109	-0.00138758	-0.079020424	-2.503	1
936	-0.253547125	0.424489143	-0.095758894	-0.167105171	-0.54501801	0.004604482	-0.56151046	1.356.148.297	-0.044480362	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.156947521	-0.161449913	0.194962433	-0.642263314	-35.525	1
937	-0.492861459	-0.463093406	-0.479708135	-0.367242759	-0.199151131	0.004604482	-0.260162762	-0.03746841	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.03851463	-0.448869921	-0.342233655	-0.337133431	-11.031	1
938	-0.251451565	-0.226554358	-0.353901353	-0.267173965	-0.199151131	0.004604482	0.041184936	-0.03746841	-0.300177652	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.03851463	-0.275830735	-0.243890147	-0.231453056	-2.29	1
939	-0.520811601	-0.233432598	-0.390839831	-0.367242759	-0.54501801	0.004604482	-0.56151046	-0.269737862	-0.446290389	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.156947521	-0.43943482	0.001595894	-0.248193814	-24.335	1
940	-0.548474392	-0.051340249	-0.445330992	-0.467311552	-0.54501801	0.004604482	-0.56151046	0.427070492	-0.373234021	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.156947521	-0.482139791	0.99766967	-0.703315161	-1.858	2
941	-0.31037254	-0.23031929	-0.22631168	-0.167105171	-0.199151131	0.004604482	-0.260162762	-0.03746841	-0.227121283	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.03851463	-0.246658272	0.033793113	-0.11031617	-23.984	2
942	-0.220480733	0.094985253	-0.383067935	-0.367242759	-0.54501801	0.004604482	0.041184936	-0.502007313	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.156947521	-0.295568098	0.551426898	-0.152143457	-3.495	1
943	-0.773659466	-0.52543198	-0.82889101	-0.66744914	-0.199151131	0.004604482	-0.260162762	-0.502007313	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.12131604	-0.762662792	0.265910283	-0.490374748	-0.4802	1
944	0.179049311	-0.159220011	-0.315343206	-0.467311552	-0.54501801	0.004604482	-0.260162762	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.156947521	-0.318151695	0.553207461	-0.261096417	-27.308	2
945	-0.352451942	0.039380114	-0.195085985	-0.167105171	-0.54501801	0.004604482	-0.56151046	-0.502007313	-0.300177652	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.156947521	-0.260717095	-0.0441264	0.306164869	-35.639	1
946	-0.604991431	-0.266440909	-0.515730056	-0.467311552	-0.54501801	0.004604482	-0.56151046	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.156947521	-0.534749843	0.446968039	-0.273259017	-21.428	1
947	-0.492861459	-0.374979534	-0.470153348	-0.367242759	-0.199151131	0.004604482	-0.260162762	-0.269737862	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.03851463	-0.448869921	0.247265557	-0.280656468	-2.458	1
948	-0.604991431	-0.266440909	-0.515730056	-0.467311552	-0.54501801	0.004604482	-0.56151046	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.156947521	-0.534749843	0.553207461	-0.273259017	-20.621	1
949	-0.461890626	-0.141553795	-0.508874717	-0.467311552	-0.54501801	0.004604482	-0.260162762	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.156947521	-0.468607284	0.446968039	-0.261096417	-25.415	2
950	-0.150353069	-0.102058217	-0.441325766	-0.467311552	-0.54501801	0.004604482	-0.260162762	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.156947521	-0.408746621	0.446968039	-0.261096417	-2.699	1
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952	0.179049311	-0.159220011	-0.315343206	-0.467311552	-0.54501801	0.004604482	-0.260162762	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.156947521	-0.318151695	0.446968039	-0.261096417	-32.706	2
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955	-0.267963736	0.122751621	-0.043452402	-0.067036377	-0.54501801	0.004604482	-0.862858158	-0.269737862	-0.190593099	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.518436027	-0.122767842	-0.542799578	-0.027670782	-25.494	1
956	-0.801301232	-0.452631241	-0.660709189	-0.66744914	-0.54501801	0.004604482	-0.862858158	-0.502007313	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	-0.711537548	0.142723123	-0.573810291	-0.4319	1
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962	-0.89382125	-0.51337696	-1.100.500.569	-1.267.861.904	-0.890884889	-0.611935623	-0.862858158	-0.734276764	-121.338.226	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-1.147.924.621	-2.201.142.816	-0.975824434	-0.7956	1
963	-1.068.516.648	-0.452776047	-1.294.835.636	-1.067.724.316	-0.890884889	-0.611935623	-0.260162762	-0.734276764	-0.994213154	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-1.170.949.027	-0.507561516	-0.959042707	-12.334	1
964	-0.141410145	0.26466057	-0.574849199	-0.767517934	-0.890884889	-0.611935623	0.342532633	-0.734276764	-0.665459495	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.408731916	1.049.919.387	-0.837121449	-26.248	1
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966	-0.506990718	-0.434928824	-0.520395705	-0.367242759	0.146715749	-0.611935623	-0.260162762	-0.502007313	-0.446290389	0.074968991	-0.219691167	0.375846901	0.355222488	-0.194430512	-0.460399741	-0.30337886	-0.160823535	-16.324	1
967	-0.75922183	-0.471926514	-0.683756188	-0.66744914	-0.199151131	-0.611935623	-0.56151046	-0.269737862	-0.628931311	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.702151941	0.985000544	-0.687469157	-13.251	1
968	-0.562603652	-0.241650285	-0.453637755	-0.467311552	-0.199151131	-0.611935623	-0.56151046	-0.03746841	-0.409762205	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.488358688	1.001.035.116	-0.600492669	-2.039	1
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971	-0.955531632	-0.433625579	-0.832614991	-0.867586728	-0.54501801	-0.611935623	-0.862858158	-0.502007313	-0.811572232	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-0.883346885	0.687083929	-0.827701123	-0.1513	1
972	-1.074.866.405	-0.405142426	-0.958120439	-0.967655522	-0.54501801	-0.611935623	-0.862858158	-0.502007313	-0.957684969	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.443046509	-0.986362993	-0.302982358	-0.863666934	-0.321	1
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974	-0.913431204	-0.134132536	-0.668940619	-0.767517934	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.811572232	-0.813380379	-0.219691167	0.375846901	-0.193385253	-0.94684332	-0.79108205	-0.152979959	-0.696128983	-21.721	1
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980	-0.268272112	0.418262525	-0.141732359	-0.067036377	-0.199151131	-0.611935623	-0.56151046	-0.734276764	-0.227121283	0.963318361	-0.219691167	0.375846901	0.903830228	-0.555919019	-0.155314366	-0.761986588	0.108702715	-53.106	1
981	-0.026862219	0.654801573	-0.015925577	0.033032417	-0.199151131	-0.611935623	-0.260162762	-0.734276764	-0.11753673	0.963318361	-0.219691167	0.375846901	0.903830228	-0.555919019	0.017724819	-0.782855577	0.48077524	-58.359	1
982	-0.598066972	-0.190418258	-0.523386441	-0.467311552	-0.199151131	-0.611935623	-0.260162762	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.033274827	-0.545963968	0.553207461	-0.261096417	-23.243	2
983	-0.381011829	-0.33530295	-0.475238353	-0.267173965	0.492582628	-0.611935623	0.643880331	-0.269737862	-0.336705836	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.880293666	-0.406769798	0.513374261	-0.123243058	-24.989	1
984	0.032661492	-0.256883776	-0.18918738	0.133101211	1.184.316.386	-0.611935623	1.547.923.425	-0.03746841	0.065104191	0.074968991	-0.219691167	-0.291605354	-0.193385253	1.793.862.159	-0.053782376	1.090.292.343	0.310468888	-32.423	2
985	-0.93478629	-0.84262744	-0.940833934	-0.867586728	-0.199151131	0.004604482	-0.260162762	-0.502007313	-0.811572232	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.161128482	-0.921578913	0.1416629	-0.833865323	0.7314	2
986	-1.061.045.522	-1.003.324.843	-0.986485976	-0.967655522	-0.54501801	0.004604482	-0.56151046	-0.502007313	-0.957684969	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.034333669	-1.019.040.439	0.619559262	-0.819437189	0.9544	2
987	-1.039.711.461	-0.501901159	-0.916787512	-0.967655522	-0.54501801	-0.611935623	-0.862858158	-0.269737862	-0.884628601	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.751381169	-0.974254669	-0.677944809	-0.950317843	-0.0889	2
988	-0.843093283	-0.219458911	-0.6849113	-0.767517934	-0.54501801	-0.611935623	-0.862858158	0.194801041	-0.665459495	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.751381169	-0.760461416	-0.349328706	-0.916078715	-13.192	2
989	0.00441699	0.807715705	0.080902956	-0.067036377	-0.890884889	-0.611935623	-0.56151046	-0.502007313	-0.190593099	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.035896687	-0.414528941	0.057873023	-65.561	1
990	-0.236992903	0.571176657	-0.044903826	-0.167105171	-0.890884889	-0.611935623	-0.862858158	-0.502007313	-0.300177652	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	-0.137142498	-0.235982052	0.117446479	-45.917	1
991	0.00441699	0.807715705	0.080902956	-0.067036377	-0.890884889	-0.611935623	-0.56151046	-0.502007313	-0.190593099	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.035896687	-0.142874829	0.154367953	-50.813	1
992	0.487236777	1.280.793.801	0.33251652	0.133101211	-0.890884889	-0.611935623	0.041184936	-0.502007313	0.028576007	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.381975058	0.067319407	0.261931768	-73.898	1
993	0.72864667	1.517.332.849	0.458323301	0.233170005	-0.890884889	-0.611935623	0.342532633	-0.502007313	0.13816056	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.555014245	-0.155645349	0.63340037	-73.867	2
994	0.487236777	1.280.793.801	0.33251652	0.133101211	-0.890884889	-0.611935623	0.041184936	-0.502007313	0.028576007	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.381975058	-0.226936876	0.513657673	-68.995	1
995	0.487236777	1.280.793.801	0.33251652	0.133101211	-0.890884889	-0.611935623	0.041184936	-0.502007313	0.028576007	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.381975058	-0.180442594	0.513657673	-68.526	2
996	0.00441699	0.807715705	0.080902956	-0.067036377	-0.890884889	-0.611935623	-0.56151046	-0.502007313	-0.190593099	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.035896687	-0.24655763	0.236178872	-52.878	1
997	0.00441699	0.807715705	0.080902956	-0.067036377	-0.890884889	-0.611935623	-0.56151046	-0.502007313	-0.190593099	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.035896687	-0.197895431	0.236178872	-52.993	1
998	0.00441699	0.807715705	0.080902956	-0.067036377	-0.890884889	-0.611935623	-0.56151046	-0.502007313	-0.190593099	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.035896687	-0.284361021	0.227788009	-52.803	2
999	0.970056563	1.753.871.896	0.584130083	0.333238799	-0.890884889	-0.611935623	0.643880331	-0.502007313	0.247745113	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.72805343	-0.027475618	0.753952301	-83.813	2
1000	0.72864667	1.517.332.849	0.458323301	0.233170005	-0.890884889	-0.611935623	0.342532633	-0.502007313	0.13816056	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.555014245	-0.054464222	0.63340037	-73.263	1
1001	0.970056563	1.753.871.896	0.584130083	0.333238799	-0.890884889	-0.611935623	0.643880331	-0.502007313	0.247745113	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.72805343	0.171586017	0.598721326	-79.032	1
1002	0.245826883	1.044.254.753	0.206709738	0.033032417	-0.890884889	-0.611935623	-0.260162762	-0.502007313	-0.081008546	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.208935873	-0.174545168	0.289730203	-62.095	1
1003	0.245826883	1.044.254.753	0.206709738	0.033032417	-0.890884889	-0.611935623	-0.260162762	-0.502007313	-0.081008546	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.208935873	-0.216879501	0.394615997	-6.287	1
1004	0.245826883	1.044.254.753	0.206709738	0.033032417	-0.890884889	-0.611935623	-0.260162762	-0.502007313	-0.081008546	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.208935873	-0.342516918	0.346368532	-65.541	1
1005	0.487236777	1.280.793.801	0.33251652	0.133101211	-0.890884889	-0.611935623	0.041184936	-0.502007313	0.028576007	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.381975058	-0.062879324	0.513657673	-64.654	1
1006	0.970056563	1.753.871.896	0.584130083	0.333238799	-0.890884889	-0.611935623	0.643880331	-0.502007313	0.247745113	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.72805343	0.051306689	0.753952301	-84.206	1
1007	-0.352451942	-0.151074727	-0.24649601	-0.167105171	-0.199151131	-0.611935623	-0.56151046	-0.734276764	-0.300177652	0.074968991	-0.219691167	0.375846901	0.355222488	-0.223866307	-0.253160231	-0.038555027	0.214199571	-30.319	1
1008	-0.282064961	0.605567857	-0.040584711	-0.067036377	-0.199151131	-0.611935623	-0.56151046	-0.269737862	-0.227121283	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.423352056	-0.134732279	-0.717947646	0.040453368	-44.544	1
1009	0.925264848	147.204.507	0.661949488	0.433307593	-0.890884889	-0.611935623	0.342532633	-0.269737862	0.357329666	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.768807497	-0.315241991	0.400400699	-78.092	1
1010	0.047596736	-0.523585716	-0.096640295	-0.267173965	0.838449507	0.004604482	0.945228029	0.427070492	-0.154064915	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.060326766	-0.162154971	1.499.357.233	-0.446829845	-0.9624	1
1011	-0.010041672	0.009984689	-0.228094571	-0.167105171	-0.199151131	0.004604482	0.342532633	-0.03746841	-0.190593099	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.03851463	-0.10279155	-0.00138758	-0.071946017	-25.139	1
1012	-0.408345218	-0.234989253	-0.239271537	-0.267173965	-0.54501801	0.004604482	-0.260162762	-0.502007313	-0.300177652	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.261984603	-0.318428668	-0.167265305	-0.264025071	-16.101	1
1013	103.739.482	1.147.681.759	0.690972937	0.533376387	-0.54501801	0.004604482	0.643880331	-0.269737862	0.466914218	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.518436027	0.849324711	-0.125569307	0.531612326	-56.657	1
1014	0.088267417	0.150626593	-0.11270891	-0.067036377	-0.199151131	0.004604482	0.342532633	-0.03746841	-0.081008546	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.03851463	0.004105077	0.124273784	0.002858882	-28.271	1
1015	0.265724189	0.470066532	0.23732021	-0.167105171	0.838449507	-0.611935623	0.643880331	1.123.878.846	-0.007952178	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.555919019	0.058553048	143.978.305	-0.545606278	-37.166	1
1016	0.186604541	0.21332718	0.039587607	0.033032417	-0.199151131	0.004604482	0.643880331	-0.269737862	0.028576007	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.066522452	0.11275772	0.01172262	0.056615434	-35.213	1
1017	0.369401836	0.661752216	0.360156345	0.233170005	-0.54501801	0.004604482	0.342532633	0.194801041	0.247745113	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.261984603	0.348339582	-0.180296509	0.126433129	-47.584	1
1018	-0.738168112	-0.560185192	-0.708957722	-0.66744914	-0.199151131	0.004604482	-0.260162762	-0.03746841	-0.592403126	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.161128482	-0.707785661	0.130273478	-0.777719163	-0.6571	1
1019	-0.030758979	0.330402062	-0.082703616	-0.167105171	-0.54501801	0.004604482	0.041184936	-0.269737862	-0.190593099	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.330597536	-0.069084372	0.093446161	-0.071315129	-29.864	1
1020	0.068215923	0.133829208	-0.113665644	0.133101211	-0.54501801	0.004604482	0.643880331	-0.502007313	0.13816056	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.261984603	-0.001656599	0.197879693	0.103508243	-34.365	1
1021	-0.246447452	0.110877607	-0.12824768	-0.267173965	-0.199151131	-0.611935623	-0.260162762	-0.502007313	-0.190593099	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.516741881	-0.205905297	-0.512703841	-0.585750078	-22.858	1
1022	-0.204830616	0.035832391	-0.076877833	-0.067036377	-0.199151131	0.004604482	-0.260162762	-0.269737862	-0.081008546	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.135135385	-0.115489568	0.226107549	-0.084103596	-26.841	1
1023	1.710.139.609	1.158.723.144	141.106.484	1.233.857.945	2.221.917.023	-0.611935623	2.150.618.821	1.588.417.748	1.234.006.089	0.963318361	-0.219691167	-0.291605354	0.355222488	0.225929585	1.386.475.604	-0.909068647	1.098.268.881	-62.375	1
1024	-0.043970117	0.013496212	-0.138693911	-0.167105171	0.492582628	-0.611935623	0.342532633	-0.502007313	-0.190593099	0.074968991	-0.219691167	0.375846901	0.355222488	-0.360456868	-0.152522041	-0.477192089	0.042719276	-35.714	1
1025	0.462342367	0.75192956	0.468643978	0.033032417	0.838449507	-0.611935623	0.643880331	0.891609395	0.211216928	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.555919019	0.272346301	1.660.789.337	-0.40554437	-4.755	1
1026	-0.068626236	0.113201728	0.005486687	-0.067036377	-0.54501801	0.004604482	0.041184936	-0.502007313	-0.038492856	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.261984603	-0.038492856	0.077633407	-0.002553416	-34.826	1
1027	0.566938136	0.654917417	0.562891086	0.433307593	0.492582628	0.004604482	0.643880331	0.891609395	0.503442403	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.060326766	0.477765521	0.2320079	0.319729348	-29.648	1
1028	0.24750193	0.581313011	0.311071611	0.133101211	-0.199151131	-0.611935623	0.041184936	0.194801041	0.13816056	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.516741881	0.252106242	-0.347066221	-0.043384339	-39.641	1
1029	-0.898972542	-0.29026858	-0.794672067	-1.067.724.316	-0.199151131	-0.611935623	-0.56151046	-0.502007313	-0.994213154	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.943978167	-0.954109921	-0.964636616	-14.969	1
1030	-0.808197656	-0.264551203	-0.62690458	-0.66744914	-0.54501801	-0.611935623	-0.862858158	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.673873968	-0.698263833	0.530077024	-0.532516572	0.0938	1
1031	-0.808197656	-0.264551203	-0.62690458	-0.66744914	-0.54501801	-0.611935623	-0.862858158	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.673873968	-0.698263833	0.456897239	-0.522027993	0.4471	1
1032	-0.808197656	-0.264551203	-0.62690458	-0.66744914	-0.54501801	-0.611935623	-0.862858158	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.673873968	-0.698263833	0.399064665	-0.580764037	-0.03	1
1033	-0.808197656	-0.264551203	-0.62690458	-0.66744914	-0.54501801	-0.611935623	-0.862858158	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.673873968	-0.698263833	0.530077024	-0.532516572	-0.314	2
1034	-0.808197656	-0.264551203	-0.62690458	-0.66744914	-0.54501801	-0.611935623	-0.862858158	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.673873968	-0.698263833	0.456897239	-0.522027993	-0.5115	2

1035	-0.303118679	0.347090844	0.014383562	-0.067036377	-0.54501801	-0.611935623	-0.862858158	-0.734276764	-0.263649468	1.851.667.731	-0.219691167	-0.291605354	0.903830228	-0.673873968	-0.150198338	-0.140993095	0.540702061	-33.574	1
1036	-0.653967257	-0.070382113	-0.425211951	-0.467311552	-0.54501801	-0.611935623	-0.862858158	-0.734276764	-0.592403126	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.673873968	-0.531127712	0.214322528	-0.210283615	-1.456	1
1037	0.573862594	0.418305967	0.510931127	0.433307593	1.184.316.386	-0.611935623	0.945228029	0.891609395	0.503442403	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.185481838	0.479538852	0.345231239	0.30039167	-38.813	1
1038	-0.197625815	0.286489931	-0.026582742	-0.067036377	-0.199151131	0.621144587	-0.56151046	0.427070492	-0.044480362	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.090028735	-0.096537202	-0.378726296	-0.19365538	-25.895	1
1039	0.321582422	0.868606228	0.626105855	0.533376387	-0.199151131	0.621144587	-0.56151046	0.194801041	0.430386034	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.090028735	0.480650901	-0.254599954	0.520043551	-43.495	2
1040	-0.801273198	-0.571335181	-0.587836678	-0.66744914	-0.199151131	0.621144587	-0.56151046	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.155198969	-0.719588784	0.399064665	-0.574773774	-0.4658	1
1041	-0.794376773	-0.340841744	-0.673606268	-0.66744914	-0.199151131	0.621144587	-0.56151046	-0.502007313	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.26367875	-0.725998391	0.142723123	-0.562226118	-0.4359	2
1042	1.121.441.487	0.663634681	1.043.965.171	1.133.789.151	1.184.316.386	-0.611935623	1.246.575.727	0.659339943	116.094.972	0.074968991	-0.219691167	0.375846901	0.355222488	0.499746011	1.132.366.429	-1.019.997.137	0.87850488	-45.412	1
1043	0.800855877	-0.563551909	-0.523170485	-0.367242759	-0.199151131	-0.611935623	-0.260162762	-0.269737862	-0.482818573	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.389892663	-0.206526004	-0.342233655	-0.329428136	-18.868	1
1044	0.897153509	0.539391949	0.932883558	0.933651563	0.492582628	-0.611935623	0.342532633	0.659339943	0.941780614	0.074968991	0.503076578	0.375846901	0.355222488	0.001031639	0.946279844	-0.952206043	0.648841774	-58.457	1
1045	-0.182277065	0.289530837	-0.321216701	-0.467311552	-0.54501801	0.004604482	0.041184936	-0.734276764	-0.482818573	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.395822175	-0.29015253	0.75482093	-0.320875594	-36.912	2
1046	-0.394552369	-0.57274703	-0.370931724	-0.267173965	-0.199151131	0.621144587	-0.260162762	-0.03746841	-0.300177652	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.271459772	-0.347336001	0.200945961	-0.266136457	-0.9305	1
1047	-0.175850215	0.028700742	-0.855114567	-0.767517934	-0.890884889	-0.611935623	0.342532633	-0.734276764	-0.665459495	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.658113367	1.049.919.387	-0.817949017	-17.043	1
1048	-0.611887855	-0.346742549	-0.447412705	-0.467311552	-0.199151131	0.004604482	-0.56151046	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.034333669	-0.525585755	0.361893554	-0.315912573	-16.058	1
1049	-0.08541174	-0.854211844	0.103754088	0.033032417	1.184.316.386	-0.611935623	0.643880331	-0.03746841	0.065104191	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.077903536	-0.006686496	0.614458088	-0.230066828	-33.638	1
1050	-0.492349834	-0.393550781	-0.296966878	-0.467311552	-0.54501801	0.621144587	-0.260162762	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.141064898	-0.435194251	-0.05921377	-0.365228196	-17.898	2
1051	1.663.007.034	2.310.574.908	0.864721896	0.733513975	-0.199151131	-0.611935623	1.849.271.123	-0.734276764	0.64955514	0.963318361	-0.219691167	0.375846901	0.903830228	-0.555919019	1.228.999.117	-0.511273621	0.970413417	-120.605	1
1052	1.180.187.248	1.837.496.812	0.613108332	0.533376387	-0.199151131	-0.611935623	1.246.575.727	-0.734276764	0.430386034	0.963318361	-0.219691167	0.375846901	0.903830228	-0.555919019	0.882920747	-0.631430019	0.925273962	-109.486	2
1053	0.585237489	1.364.925.534	0.378771229	0.233170005	-0.54501801	-0.611935623	0.342532633	-0.734276764	0.101632375	1.851.667.731	-0.219691167	-0.291605354	0.903830228	-0.66857976	0.434047779	-0.268054476	0.92867865	-86.456	1
1054	0.697367461	1.364.418.717	0.361494768	0.333238799	-0.199151131	-0.611935623	0.643880331	-0.734276764	0.211216928	0.963318361	-0.219691167	0.375846901	0.903830228	-0.555919019	0.536842375	-0.7131059	0.850617761	-88.744	2
1055	-0.057650829	-0.773555432	-0.164661335	-0.067036377	0.146715749	0.621144587	0.643880331	-0.269737862	-0.081008546	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.943400622	-0.15088762	0.296001719	0.238498887	-16.066	1
1056	-0.773631432	-1.218.541.348	-0.778264452	-0.66744914	-0.199151131	0.621144587	0.041184936	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.444898019	-0.785910434	0.915933887	-0.367872938	-12.714	2
1057	0.705483375	-0.550338448	0.348806112	0.533376387	0.838449507	1.237.684.692	1.547.923.425	0.659339943	0.539970587	0.074968991	-0.219691167	-0.291605354	-0.193385253	1.439.785.543	0.551834107	0.128742867	0.361698109	-21.114	1
1058	0.061866167	-0.318136312	0.286211588	0.233170005	0.492582628	-0.611935623	0.041184936	-0.269737862	0.174688744	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.307938326	0.16339784	0.012453573	0.637185689	-0.6286	1
1059	1.272.104.529	0.547899246	1.379.344.455	1.233.857.945	0.838449507	0.004604482	0.643880331	0.659339943	116.094.972	0.963318361	0.503076578	1.043.299.157	1.452.437.969	-0.312597229	133.187.506	-1.676.585.381	1.199.568.683	-41.546	2
1060	0.434224019	0.655308391	0.715310648	0.533376387	0.146715749	-0.611935623	-0.260162762	-0.03746841	0.430386034	0.963318361	-0.219691167	0.375846901	0.903830228	-0.809617455	0.570890605	-0.881411473	0.595907167	-42.597	2
1061	0.230246852	-0.326940459	0.128084266	0.133101211	0.838449507	0.621144587	0.945228029	-0.03746841	0.065104191	0.963318361	-0.219691167	-0.291605354	0.355222488	0.854881468	0.101462914	-0.552181062	0.588544057	-24.248	1
1062	-0.296495589	-1.255.792.447	-0.303857374	-0.167105171	0.838449507	0.004604482	0.643880331	-0.734276764	-0.227121283	0.963318361	-0.219691167	-0.291605354	0.355222488	0.592288763	-0.310760323	0.585855701	0.624510588	-27.372	1
1063	-0.528016402	-0.672988325	-0.513208899	-0.367242759	-0.199151131	0.004604482	-0.260162762	-0.734276764	-0.482818573	0.074968991	-0.219691167	0.375846901	0.355222488	0.030890971	-0.469060817	-0.033069563	-0.112403952	-26.114	1
1064	-0.605243739	-10.250.094	-0.629054093	-0.467311552	0.146715749	0.621144587	0.342532633	-0.734276764	-0.555874942	-0.813380379	-0.219691167	1.043.299.157	0.355222488	0.629348217	-0.596074316	0.267459576	0.031612847	-23.788	2
1065	0.215942378	-0.384891439	0.106137135	0.233170005	0.838449507	0.621144587	0.945228029	-0.03746841	0.174688744	0.963318361	-0.219691167	-0.291605354	0.355222488	1.133.145.029	0.12615541	-0.567772155	0.742905812	-26.183	1
1066	0.475539488	-0.424140848	0.529458122	0.633445181	1.530.183.265	0.621144587	0.945228029	0.427070492	0.576498771	0.963318361	-0.219691167	-0.291605354	0.355222488	1.287.524.128	0.5281958	-0.413181669	0.755788316	-28.608	1
1067	-0.794376773	-0.526662823	-0.65683203	-0.66744914	-0.199151131	0.621144587	-0.56151046	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.032585117	-0.728752872	0.530077024	-0.5209324	-0.7369	2
1068	-0.16364831	-0.59312834	-0.322632969	-0.067036377	1.184.316.386	0.621144587	1.246.575.727	-0.269737862	-0.11753673	0.074968991	-0.219691167	-0.291605354	-0.193385253	1.859.722.103	-0.23657128	0.904467715	0.182599044	-24.862	1
1069	-0.591142513	-0.453319065	-0.531537515	-0.467311552	0.146715749	0.004604482	0.041184936	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.517746318	-0.563179291	0.446968039	-0.255106153	-20.611	1
1070	-0.591142513	-0.453319065	-0.531537515	-0.467311552	0.146715749	0.004604482	0.041184936	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.517746318	-0.563179291	0.361893554	-0.303353618	-22.782	1
1071	-0.268881857	-0.441879467	-0.433433337	-0.167105171	0.838449507	0.004604482	0.945228029	-0.269737862	-0.227121283	0.074968991	-0.219691167	-0.291605354	-0.193385253	1.308.700.959	-0.326252583	0.699194254	0.068243447	-25.976	2
1072	-0.485937	-0.296994775	-0.481581425	-0.367242759	0.146715749	0.004604482	0.041184936	-0.502007313	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.395132466	-0.465446753	0.654617673	-0.154254843	-23.837	1
1073	-0.70330052	-0.443291316	-0.632346163	-0.567380346	-0.199151131	0.004604482	-0.56151046	-0.502007313	-0.628931311	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.156947521	-0.641646469	0.370057377	-0.420178473	-0.9762	1
1074	-0.598066972	-0.529341716	-0.523881131	-0.467311552	-0.199151131	0.621144587	-0.260162762	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.394073624	-0.551965167	0.446968039	-0.261096417	-13.663	1
1075	-0.115247185	-0.056263621	-0.272267567	-0.267173965	-0.199151131	0.621144587	0.342532633	-0.502007313	-0.300177652	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.394073624	-0.205886795	0.83583677	-0.034863448	-24.688	1
1076	-0.598066972	-0.529341716	-0.523881131	-0.467311552	-0.199151131	0.621144587	-0.260162762	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.394073624	-0.551965167	0.361893554	-0.309343882	-13.511	1
1077	-0.197934191	-0.02900407	-0.135070375	-0.067036377	0.146715749	0.004604482	-0.260162762	0.194801041	-0.081008546	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.03851463	-0.128180042	-0.306343239	-0.170564778	-29.723	2
1078	-0.499757883	-0.4973398	-0.413889341	-0.367242759	0.146715749	0.004604482	-0.260162762	-0.502007313	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.161128482	-0.439705833	0.223657169	-0.272951173	-15.974	1
1079	-0.106521526	0.067544696	0.049863083	0.033032417	0.146715749	0.004604482	-0.260162762	0.427070492	0.028576007	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.161128482	-0.012119328	-0.451657508	-0.125821325	-33.499	1
1080	0.090096652	0.349986945	0.281739295	0.233170005	0.146715749	0.004604482	-0.260162762	0.891609395	0.247745113	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.161128482	0.201673925	-0.681560601	-0.051206163	-46.001	1
1081	-1.025.890.578	-0.793719535	-0.999202254	-0.967655522	-0.199151131	-0.611935623	-0.56151046	-0.269737862	-0.884628601	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.555919019	-0.995271373	-0.677944809	-0.94683532	0.506	1
1082	0.644768209	0.830558702	0.808698955	0.833582769	-0.199151131	-0.611935623	-0.56151046	-0.502007313	0.832196061	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	-0.223866307	0.817738503	-1.344.490.597	0.665006099	-45.526	1
1083	0.46227929	0.524911444	0.603686635	0.633445181	-0.199151131	0.004604482	-0.56151046	-0.734276764	0.64955514	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	-0.156947521	0.614571386	-1.320.507.616	0.438583551	-40.908	1
1084	0.44815003	0.600282472	0.578580523	0.633445181	-0.199151131	-0.611935623	-0.56151046	-0.734276764	0.613026956	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	-0.223866307	0.603945249	-1.300.726.864	0.545074419	-36.949	1
1085	-0.647547415	-1.168.185.392	-0.77931912	-0.567380346	-0.199151131	0.621144587	0.342532633	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.444898019	-0.715422143	102.778.772	-0.106436043	-10.689	1
1086	-0.675322343	-1.106.889.415	-0.65931301	-0.567380346	-0.199151131	0.621144587	0.041184936	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.444898019	-0.678483998	102.778.772	-0.116532043	-15.187	2
1087	0.096712734	-0.427181754	0.057258312	0.233170005	0.146715749	0.621144587	0.342532633	-0.269737862	0.211216928	-0.813380379	0.503076578	1.043.299.157	0.355222488	0.647136755	0.145760376	-0.398967012	0.114914553	-21.693	1
1088	-0.099905445	-0.701659725	-0.123893409	0.033032417	0.146715749	0.621144587	0.342532633	0.194801041	-0.007952178	-0.813380379	0.503076578	0.375846901	-0.193385253	0.647136755	-0.062721953	0.448640698	-0.101561727	-20.608	1
1089	0.026662164	-0.450422964	-0.004992189	0.133101211	0.146715749	0.621144587	0.342532633	0.194801041	0.174688744	-0.813380379	0.503076578	0.375846901	-0.193385253	0.647136755	0.067337881	0.193405606	-0.13340589	-25.743	1
1090	0.132407336	-0.070056302	0.262943612	0.133101211	1.184.316.386	0.621144587	0.643880331	0.194801041	0.174688744	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.381579294	0.166436819	0.287180203	-0.009328715	-39.847	1
1091	-0.244162662	-0.543641215	-0.267888185	-0.267173965	0.838449507	0.621144587	0.643880331	-0.269737862	-0.263649468	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.677843161	-0.261650423	0.17166321	-0.269898299	-27.063	1
1092	0.132407336	-0.070635522	0.262391167	0.133101211	1.184.316.386	0.621144587	0.643880331	0.427070492	0.174688744	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.381579294	0.166436819	0.243696193	-0.109520036	-38.642	1
1093	-0.401448794	-0.647357831	-0.324410837	-0.267173965	-0.199151131	0.621144587	-0.260162762	-0.03746841	-0.300177652	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.394073624	-0.338171914	-0.173890891	-0.258431162	-10.657	1
1094	-0.696376061	-0.597110479	-0.690051549	-0.567380346	-0.199151131	0.004604482	-0.260162762	-0.502007313	-0.628931311	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.116021832	-0.654752165	0.333817005	-0.400889005	-0.835	1
1095	1.031.108.141	0.552931221	0.973937751	0.833582769	0.492582628	0.004604482	0.945228029	2.982.034.456	1.087.893.352	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.753867984	0.878813506	1.533.572.167	0.216541614	-39.145	1
1096	-0.903815458	-0.984210577	-0.973352853	-0.967655522	-0.54501801	0.004604482	-0.260162762	-0.502007313	-0.921156785	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.034333669	-0.941316276	0.162288226	-0.855799818	-0.0166	1
1097	-0.513578766	-0.275100251	-0.330216531	-0.367242759	-0.54501801	-0.611935623	-0.56151046	-0.502007313	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.516741881	-0.411636357	0.167148408	-0.301759902	-0.951	2
1098	-0.075550694	0.08600734	0.027818019	-0.067036377	-0.54501801	-0.611935623	-0.260162762	-0.03746841	-0.081008546	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.516741881	-0.024803919	0.292373638	-0.149560279	-24.806	2
1099	-1.033.095.379	-1.230.668.771	-1.054.316.171	-0.967655522	-0.199151131	0.621144587	-0.260162762	-0.502007313	-0.921156785	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.394073624	-1.033.838.246	0.162288226	-0.861393727	0.92	1
1100	-0.478115446	0.026963081	-0.283263733	-0.367242759	-0.54501801	0.004604482	-0.862858158	-0.502007313	-0.300177652	-0.813380379	-0.219691167	0.375846901	-0.193385253	-0.518436027	-0.366711749	-0.232776927	-0.527747244	-1.91	1
1101	-0.296572683	-2.045.595.386	-0.56977675	-0.267173965	1.184.316.386	2.470.764.902	0.643880331	-0.502007313	-0.154064915	-0.813380379	0.503076578	0.375846901	-0.193385253	1.390.655.295	-0.374767867	-0.110173342	-0.572450874	0.74	1
1102	-0.632450974	-0.701913134	-0.470201059	-0.66744914	-0.54501801	0.621144587	-0.260162762	-0.269737862	-0.592403126	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.437328764	-0.592851066	0.428127078	-0.800094799	-1.46	1
1103	-0.77335109	-0.443798133	-0.680170318	-0.66744914	-0.54501801	0.004604482	-0.56151046	-0.269737862	-0.665459495	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.156947521	-0.719096251	0.997358394	-0.638818756	-1.77	1

1104	-0.822656318	-1.462.031.038	-0.903478611	-0.767517934	0.146715749	1.237.684.692	0.041184936	-0.269737862	-0.701987679	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.822480917	-0.846424405	0.796891076	-0.778414626	-0.02	2
1105	0.099999749	0.46974072	-0.4544162	-0.66744914	-0.890884889	-0.611935623	0.643880331	-0.734276764	-0.555874942	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.23569273	1.662.973.551	-0.809378301	-3.94	1
1106	-0.731580064	-0.902649133	-0.858062614	-0.66744914	-0.199151131	0.621144587	0.041184936	-0.03746841	-0.628931311	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.632948279	-0.759318002	0.590186124	-0.722403748	-0.17	2
1107	-0.534961886	-0.620206885	-0.626186402	-0.467311552	-0.199151131	0.621144587	0.041184936	0.427070492	-0.409762205	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.632948279	-0.54552475	0.428021834	-0.663378028	-0.82	1
1108	-0.619450092	-1.275.232.525	-0.82316316	-0.567380346	0.146715749	1.237.684.692	0.342532633	-0.03746841	-0.519346758	-0.813380379	-0.219691167	-0.291605354	-0.741992993	1.061.355.572	-0.678800787	1.166.640.473	-0.620835851	0.64	1
1109	-0.899610321	-0.375413949	-0.767632398	-0.767517934	-0.54501801	0.004604482	-0.862858158	-0.734276764	-0.811572232	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	-0.818434175	0.385004403	-0.606326131	-0.04	1
1110	-0.534933852	-1.363.129.189	-0.618653062	-0.467311552	0.146715749	1.237.684.692	0.342532633	0.194801041	-0.409762205	-0.813380379	-0.219691167	-0.291605354	-0.741992993	1.306.583.276	-0.553575986	0.985354401	-0.573542692	-0.54	1
1111	-0.33828764	-1.363.936.478	-0.349401438	-0.267173965	0.146715749	2.470.764.902	0.643880331	0.427070492	-0.190593099	-0.813380379	-0.219691167	-0.291605354	-0.741992993	1.704.919.468	-0.344674176	0.756487059	-0.503332055	0	1
1112	-0.801273198	-0.571335181	-0.587836678	-0.66744914	-0.199151131	0.621144587	-0.56151046	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.155198969	-0.719588784	0.456897239	-0.516037729	0.51	2
1113	-0.702992143	-0.17181805	-0.532140183	-0.567380346	-0.54501801	0.004604482	-0.862858158	-0.502007313	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	-0.604640922	0.20601227	-0.488415806	-1.4	1
1114	-0.618503937	0.1777703	-0.333631645	-0.467311552	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.482818573	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.471364885	0.718909817	-0.432626844	-3.84	1
1115	-0.528920506	0.204240663	-0.55782385	-0.66744914	-0.890884889	-0.611935623	-0.56151046	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.552873019	0.399064665	-0.574773774	-3.35	1
1116	-0.268265104	-0.821920318	-0.351048728	-0.167105171	0.146715749	0.621144587	0.342532633	-0.269737862	-0.154064915	-0.813380379	0.503076578	0.375846901	-0.193385253	0.647136755	-0.253351998	0.366963961	-0.291793676	-1.42	1
1117	-0.70330052	-0.443291316	-0.632346163	-0.567380346	-0.199151131	0.004604482	-0.56151046	-0.502007313	-0.628931311	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.156947521	-0.641646469	0.448070086	-0.371931008	-1.23	2
1118	-0.675350377	-0.588566981	-0.684022366	-0.567380346	0.146715749	1.237.684.692	-0.260162762	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.338378558	-0.657399744	0.569492041	-0.508550733	-1.05	1
1119	-0.184085274	-0.761790021	-0.237471068	-0.067036377	0.146715749	0.621144587	0.342532633	-0.03746841	-0.081008546	-0.813380379	0.503076578	0.375846901	-0.193385253	0.647136755	-0.158036975	0.395556491	-0.172598039	-1.61	1
1120	-0.169956015	-0.698039599	-0.234851977	-0.067036377	0.146715749	0.004604482	0.342532633	-0.269737862	-0.044480362	-0.813380379	0.503076578	0.375846901	-0.193385253	0.46099241	-0.142928985	0.504958535	-0.157904898	-2.1	2
1121	-0.604991431	-0.266440909	-0.515730056	-0.467311552	-0.54501801	0.004604482	-0.56151046	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.156947521	-0.534749843	0.361893554	-0.321506482	-2.53	2
1122	0.55975436	-0.328641918	0.254722226	0.133101211	2.221.917.023	-0.611935623	1.849.271.123	0.659339943	0.211216928	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.378402769	0.249546381	-0.016653204	0.241486248	-3.1	1
1123	-0.598038938	-0.993405698	-0.572172353	-0.467311552	0.146715749	0.621144587	0.041184936	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.493392962	-0.552881943	0.169003505	-0.361349319	-0.04	1
1124	-0.577216502	-0.327736887	-0.635736166	-0.467311552	-0.54501801	0.004604482	-0.260162762	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.156947521	-0.571687988	0.553207461	-0.261096417	-1.39	2
1125	-0.598066972	-0.529341716	-0.523881131	-0.467311552	-0.199151131	0.621144587	-0.260162762	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.394073624	-0.551965167	0.553207461	-0.261096417	-1.52	1
1126	-0.591170548	-0.484669359	-0.592876483	-0.467311552	-0.199151131	0.621144587	-0.260162762	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.271459772	-0.561129254	0.446968039	-0.268801712	-1.24	1
1127	0.026662164	-0.398256946	-0.00323441	0.133101211	0.146715749	0.621144587	0.342532633	0.427070492	0.174688744	-0.813380379	0.503076578	0.375846901	-0.193385253	0.647136755	0.067337881	0.086942037	-0.163724398	-2.51	1
1128	-0.170236357	-1.111.791.066	-0.286362447	-0.067036377	0.838449507	0.621144587	0.945228029	-0.03746841	-0.081008546	-0.813380379	-0.219691167	-0.291605354	-0.741992993	1.246.652.844	-0.172152602	1.985.194.671	-0.165266298	-2.3	1
1129	-0.584246089	-0.408646708	-0.600532867	-0.467311552	0.146715749	0.004604482	0.041184936	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.395132466	-0.572343379	0.361893554	-0.305465004	-0.94	2
1130	-0.421885758	0.401074166	-0.095728761	-0.267173965	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.263649468	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.257571632	1.129.712.624	-0.38202235	-5.23	1
1131	-0.584246089	-0.408646708	-0.600532867	-0.467311552	0.146715749	0.004604482	0.041184936	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.395132466	-0.572343379	0.446968039	-0.257217539	-1.07	2
1132	-0.738147086	-0.094600757	-0.511702231	-0.567380346	-0.890884889	0.004604482	-0.862858158	-0.734276764	-0.665459495	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.612461158	-0.632071417	0.299537238	-0.202339473	-1.21	1
1133	-0.492861459	-0.374979534	-0.470153348	-0.367242759	-0.199151131	0.004604482	-0.260162762	-0.269737862	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.03851463	-0.448869921	0.512623983	-0.232409002	-1.6	2
1134	-0.275455888	-0.43051227	-0.420084258	-0.467311552	0.492582628	0.004604482	0.643880331	-0.03746841	-0.373234021	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.226353122	-0.453360919	1.731.709.243	-0.523037667	0.54	1
1135	-0.50006626	-0.369947558	-0.507051648	-0.367242759	0.146715749	-0.611935623	0.041184936	-0.269737862	-0.446290389	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.328213679	-0.476072889	0.48496513	-0.154940412	-1.98	1
1136	0.139275726	-0.390727083	0.175858199	0.133101211	0.146715749	0.621144587	0.342532633	0.194801041	0.174688744	-0.813380379	0.503076578	0.375846901	-0.193385253	0.285648249	0.171418322	0.416435786	-0.120106686	-3.6	1
1137	-0.394552369	-0.311446319	-0.366946587	-0.267173965	0.146715749	0.004604482	-0.260162762	-0.269737862	-0.300177652	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.03851463	-0.341973295	0.042495467	-0.244121372	-2.2	2
1138	-0.394552369	-0.342977618	-0.360161559	-0.267173965	0.146715749	-0.611935623	-0.260162762	-0.269737862	-0.300177652	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.194430512	-0.336610587	0.157356537	-0.244121372	-2.34	1
1139	-0.479040576	-0.591245875	-0.551071467	-0.367242759	0.146715749	1.237.684.692	0.041184936	-0.502007313	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.699867065	-0.480612039	0.654617673	-0.163331275	-0.85	2
1140	-0.415578053	-0.351774525	-0.314969051	-0.267173965	-0.199151131	0.004604482	-0.260162762	-0.269737862	-0.336705836	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.030890971	-0.345271664	0.067159856	-0.170576269	-1.63	1
1141	-0.29624328	-0.170225194	-0.251008481	-0.167105171	0.146715749	0.004604482	-0.260162762	-0.03746841	-0.190593099	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.03851463	-0.235076668	-0.139902373	-0.207427579	-2.68	1
1142	0.53232986	0.384921163	0.683012707	0.733513975	-0.199151131	0.004604482	-0.56151046	-0.734276764	0.686083324	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	-0.156947521	0.704660408	-1.366.986.596	0.649219807	-4.63	1
1143	-0.150353069	-0.102058217	-0.441325766	-0.467311552	-0.54501801	0.004604482	-0.260162762	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.156947521	-0.408746621	0.553207461	-0.261096417	-2.05	2
1144	-0.180756208	0.159503143	-0.016277133	-0.167105171	-0.54501801	-0.611935623	-0.260162762	-0.269737862	-0.190593099	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.616484755	-0.119376665	0.226032979	-0.090026632	-2.88	2
1145	0.44815003	0.600282472	0.578580523	0.633445181	-0.199151131	-0.611935623	-0.56151046	-0.734276764	0.613026956	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	-0.223866307	0.603945249	-1.300.726.864	0.545074419	-3.7	1
1146	-0.633193881	-0.727435024	-0.591322103	-0.467311552	0.492582628	-0.611935623	0.041184936	-0.734276764	-0.592403126	0.963318361	-0.219691167	-0.291605354	0.355222488	0.14503409	-0.5704448	0.214322528	-0.196244162	0.02	1
1147	-0.303448081	-0.698039599	-0.307993177	-0.167105171	-0.199151131	0.621144587	0.041184936	-0.03746841	-0.227121283	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.459298264	-0.264754449	-0.225103933	-0.120248163	-1.69	1
1148	-0.166935325	0.001549795	-0.113464755	-0.167105171	-0.54501801	0.004604482	0.041184936	-0.502007313	-0.190593099	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.261984603	-0.145389483	-0.095224793	-0.156350494	-2.89	1
1149	-0.387936288	-0.411325601	-0.467581968	-0.267173965	0.146715749	0.004604482	0.342532633	-0.269737862	-0.336705836	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.756620972	-0.395555673	0.699224938	-0.139721902	-1.35	1
1150	-0.145853572	-0.376717194	-0.138407645	-0.167105171	0.838449507	0.621144587	0.643880331	0.194801041	-0.154064915	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.381579294	-0.15122741	0.138605493	-0.272850605	-4.55	1
1151	-0.478402797	0.33463761	-0.170710607	-0.267173965	-0.890884889	-0.611935623	-1.164.205.856	-0.502007313	-0.409762205	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	-0.310181684	-0.336949027	-0.149516472	-4.32	1
1152	1.192.213.939	0.741648402	1.254.833.408	1.333.926.739	0.146715749	1.237.684.692	0.041184936	0.194801041	1.453.175.195	-0.813380379	2.671.379.811	2.378.203.668	1.452.437.969	0.699867065	1.321.670.551	-1.491.335.227	0.711893066	-4.57	1
1153	0.050764606	-0.095433386	0.092363678	0.033032417	0.838449507	0.621144587	0.643880331	0.194801041	0.065104191	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.381579294	0.062565842	0.157500302	-0.147845393	-4.46	1
1154	1.489.278.817	-0.340515932	0.779077862	0.733513975	0.492582628	0.621144587	2.451.966.519	0.659339943	0.868724246	-0.813380379	0.503076578	0.375846901	-0.193385253	0.422874114	1.122.253.439	-0.006476766	-0.01760603	-4.16	1
1155	-0.054805353	-0.023211868	-0.086219175	-0.067036377	-0.199151131	0.004604482	0.342532633	-0.269737862	-0.081008546	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.066522452	-0.060281465	-0.14796259	-0.105711684	-2.47	2
1156	-0.146526394	-0.174786553	-0.341775186	-0.167105171	0.146715749	0.004604482	0.643880331	-0.269737862	-0.227121283	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.756620972	-0.222516488	0.699194254	0.072349184	-2.76	1
1157	0.186576506	0.292426938	0.003781641	0.033032417	-0.199151131	0.004604482	0.342532633	0.427070492	0.028576007	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.03851463	0.111001703	-0.404058856	0.004566238	-3.57	2
1158	1.304.343.911	0.36906501	1.289.732.862	1.433.995.533	0.492582628	1.854.224.797	0.342532633	0.194801041	1.562.759.748	-0.813380379	2.671.379.811	2.378.203.668	1.452.437.969	1.128.274.358	1.402.187.767	-1.425.442.761	0.799571968	-3.63	1
1159	-0.365964448	0.483591323	-0.012987574	-0.167105171	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.263649468	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	-0.197332137	0.355052446	0.261940142	-4.92	1
1160	-0.436631771	-0.064517508	-0.286231869	-0.267173965	-0.199151131	0.621144587	-0.56151046	-0.734276764	-0.373234021	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.090028735	-0.356987585	0.285097374	0.081027579	-2.92	1
1161	-0.010041672	0.098098562	-0.218539784	-0.167105171	-0.199151131	0.004604482	0.342532633	-0.269737862	-0.190593099	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.03851463	-0.10279155	0.911766008	-0.003917622	-1.7	1
1162	0.249730652	0.253944996	0.156756159	0.133101211	-0.199151131	0.004604482	0.342532633	-0.269737862	0.065104191	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.135135385	0.213781199	-0.414783825	0.203044358	-4.24	1
1163	-0.178071929	0.62171362	-0.118228337	-0.267173965	-0.890884889	-0.611935623	-0.56151046	-0.734276764	-0.373234021	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	-0.171943645	0.152233896	0.083125295	-5.36	1
1164	-0.178071929	0.62171362	-0.118228337	-0.267173965	-0.890884889	-0.611935623	-0.56151046	-0.734276764	-0.373234021	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	-0.171943645	0.285097374	0.081027579	-5.7	2
1165	0.231368221	0.246523737	-0.102287789	-0.067036377	-0.199151131	0.004604482	0.643880331	-0.03746841	-0.081008546	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.03851463	0.070247636	0.186916275	0.039733779	-2.98	1
1166	0.349840941	0.427168036	0.503588632	0.533376387	-0.199151131	0.621144587	-0.56151046	-0.734276764	0.503442403	0.074968991	1.225.844.322	1.710.751.412	1.452.437.969	-0.090028735	0.494164974	-1.291.274.329	0.523957955	-4.83	1
1167	0.089963489	0.069065149	0.188471521	0.133101211	0.146715749	0.004604482	0.041184936	-0.269737862	0.065104191	0.074968991	-0.219691167	0.375846901	0.355222488	-0.135135385	0.132946462	-0.810944325	0.177322859	-3.14	1
1168	0.468895372	-0.180397749	0.534354793	0.633445181	0.492582628	0.004604482	0.041184936	0.194801041	0.613026956	0.074968991	1.225.844.322	1.043.299.157	0.903830228	0.107127563	0.576148736	-1.391.731.214	0.350123325	-1.91	2
1169	-0.057650829	-0.845523541	-0.171240452	-0.067036377	0.492582628	0.621144587	0.643880331	-0.269737862	-0.081008546	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.943400622	-0.15088762	0.418293948	0.238498887	-1.41	2
1170	-0.198186499	-1.252.027.515	-0.187836401	-0.067036377	1.184.316.386	-0.611935623	0.643880331	-0.734276764	-0.11753673	0.963318361	-0.219691167	-0.291605354	0.355222488	0.362308377	-0.200337311	0.640637284	0.742984078	-0.91	1
1171	0.5182006	0.428398879	0.69885281	0.733513975	-0.199151131	0.621144587	-0.56151046	-0.734276764	0.64955514	0.074968991	1.225.844.322	1.710.751.412	1.452.437.969	-0.090028735	0.691150624	-1.277.834.719	0.859429028	-4.47	1
1172	-0.380402084	0.418769343	-0.124455898	-0.167105171	-0.54501801	-0.611935623	-0.862858158	-0.734276764	-0.336705836	1.851.667.731	-0.219691167	-0.291605354	0.903830228	-0.66857976	-0.258108964	-0.099901149	0.45309525	-4.6	1

1173	0.566896084	-0.547044134	0.519966113	0.733513975	0.838449507	0.004604482	0.342532633	0.194801041	0.686083324	0.074968991	1.948.612.067	1.710.751.412	1.452.437.969	0.372473256	0.645136132	-1.663.815.208	0.543025858	-1.24	1
1174	0.54197364	-0.154513847	0.599186719	0.533376387	0.492582628	0.621144587	0.643880331	0.891609395	0.576498771	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.484498693	0.564654873	-0.027066119	0.310711405	-3.18	1
1175	0.054479143	-0.765916965	-0.127948857	0.033032417	0.838449507	0.621144587	0.945228029	-0.269737862	0.028576007	0.074968991	-0.219691167	-0.291605354	-0.193385253	1.138.862.773	-0.065007698	0.310944314	0.282902825	-1.76	1
1176	1.051.517.071	0.665191336	1.083.891.874	1.233.857.945	0.492582628	-0.611935623	0.041184936	-0.03746841	1.234.006.089	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	0.33308435	1.187.302.756	-1.491.011.753	0.996495327	-4.97	1
1177	0.01917702	-1.361.536.334	-0.077274589	0.133101211	1.530.183.265	1.237.684.692	1.246.575.727	0.194801041	0.101632375	0.963318361	-0.219691167	-0.291605354	0.355222488	157.425.842	-0.021202722	-0.460228717	0.545963899	-2.12	1
1178	-0.015522367	-0.089460178	0.007940045	0.033032417	0.492582628	0.621144587	0.643880331	-0.269737862	-0.081008546	0.963318361	-0.219691167	-0.291605354	0.355222488	0.470098448	-0.010979397	-1.004.708.265	0.217461798	-3.85	1
1179	0.335585528	-0.233932176	0.279511938	0.333238799	0.146715749	0.621144587	0.643880331	0.427070492	0.357329666	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.647136755	0.280225272	-0.097274743	0.401839944	-3.17	1
1180	0.019786765	0.353614311	0.245900685	0.233170005	0.146715749	0.004604482	-0.260162762	-0.03746841	0.101632375	0.963318361	0.503076578	0.375846901	0.903830228	-0.146147337	0.167508591	-1.088.068.682	0.468090632	-4.05	2
1181	1.275.777.015	-0.027809428	1.155.448.562	1.433.995.533	1.184.316.386	0.621144587	0.643880331	-0.03746841	1.453.175.195	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	1.189.898.936	1.348.337.186	-1.363.660.012	1.217.652.353	-4.61	1
1182	0.054605297	0.219843407	0.197740041	0.233170005	-0.199151131	0.004604482	-0.260162762	-0.03746841	0.13816056	0.963318361	-0.219691167	-0.291605354	0.355222488	0.03851463	0.145852706	-0.309040215	0.585983547	-3.29	2
1183	0.245826883	1.044.254.753	0.206709738	0.033032417	-0.890884889	-0.611935623	-0.260162762	-0.502007313	-0.081008546	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.208935873	-0.28948941	0.346368532	-6	1
1184	0.245826883	1.044.254.753	0.206709738	0.033032417	-0.890884889	-0.611935623	-0.260162762	-0.502007313	-0.081008546	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.208935873	-0.109129461	0.289730203	-6.06	1
1185	0.096761793	-1.394.841.495	-0.250458547	-0.067036377	1.184.316.386	0.004604482	1.547.923.425	-0.502007313	-0.044480362	0.074968991	-0.219691167	-0.291605354	-0.193385253	1.327.760.107	-0.117827683	0.867340151	0.482554648	-1.92	1
1186	0.245826883	1.044.254.753	0.206709738	0.033032417	-0.890884889	-0.611935623	-0.260162762	-0.502007313	-0.081008546	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.208935873	-0.057659253	0.354759396	-6.29	2
1187	0.109944897	-0.852799995	-0.137486066	0.233170005	1.184.316.386	0.004604482	1.547.923.425	-0.03746841	0.13816056	0.074968991	0.503076578	0.375846901	0.355222488	1.553.081.589	0.048254389	-0.831878031	0.472271193	-3.38	2
1188	0.285523374	0.02232932	0.084152337	0.133101211	1.184.316.386	-0.611935623	1.246.575.727	0.427070492	0.13816056	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.553111625	0.110461282	0.143485017	0.173561016	-3.68	1
1189	0.447687465	-0.13453075	0.309007476	0.433307593	0.838449507	-0.611935623	0.643880331	0.194801041	0.466914218	0.074968991	-0.219691167	0.375846901	0.355222488	0.362520146	0.372799205	-0.472304691	0.63157529	-3.42	1
1190	0.313795911	-1.596.192.916	0.102167065	0.433307593	2.221.917.023	1.854.224.797	1.547.923.425	-0.269737862	0.39385785	0.963318361	0.503076578	0.375846901	0.903830228	2.008.171.689	0.266841355	-0.876466251	0.704075607	-1.73	1
1191	0.152739172	0.45308814	0.231288516	0.333238799	-0.54501801	0.004604482	-0.260162762	-0.03746841	0.211216928	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.156947521	0.23087497	-0.408317947	0.595955514	-4.29	1
1192	1.486.040.862	-0.00377179	1.253.607.985	1.634.133.121	1.184.316.386	0.621144587	0.945228029	-0.269737862	1.635.816.116	-0.813380379	2.671.379.811	3.045.655.923	2.001.045.709	1.023.872.581	1.512.707.006	-138.632.977	1.605.849.343	-4.31	1
1193	0.487236777	1.280.793.801	0.33251652	0.133101211	-0.890884889	-0.611935623	0.041184936	-0.502007313	0.028576007	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.381975058	-0.172568614	0.375208425	-6.51	1
1194	0.487236777	1.280.793.801	0.33251652	0.133101211	-0.890884889	-0.611935623	0.041184936	-0.502007313	0.028576007	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.381975058	-0.124528339	0.513657673	-7.26	1
1195	0.487236777	1.280.793.801	0.33251652	0.133101211	-0.890884889	-0.611935623	0.041184936	-0.502007313	0.028576007	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.381975058	-0.075280885	0.375208425	-7.04	1
1196	0.487236777	1.280.793.801	0.33251652	0.133101211	-0.890884889	-0.611935623	0.041184936	-0.502007313	0.028576007	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.381975058	-0.055592287	0.473801071	-7.16	2
1197	0.683854955	1.266.964.919	0.541516489	0.333238799	-0.890884889	-0.611935623	0.041184936	-0.03746841	0.247745113	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.595768312	-0.417597492	0.296292371	-7.2	1
1198	0.338452029	0.433684263	0.577400299	0.433307593	-0.199151131	-0.611935623	-0.260162762	-0.502007313	0.284273297	0.963318361	-0.219691167	0.375846901	0.903830228	-0.616484755	0.452500514	-0.68587601	0.75241652	-4.43	1
1199	0.096733759	0.346801234	0.373106157	0.333238799	-0.54501801	0.004604482	-0.260162762	-0.734276764	0.13816056	0.963318361	-0.219691167	0.375846901	0.903830228	0.034279264	0.238340522	-0.531279532	0.68821467	-3.29	1
1200	0.790637395	0.62229284	0.473887182	0.833582769	0.838449507	-0.611935623	1.849.271.123	0.891609395	0.868724246	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.948906598	0.648116103	1.252.287.084	0.594981351	-6.05	1
1201	0.799026642	0.618129695	1.133.787.697	1.033.720.357	-0.199151131	-0.611935623	-0.260162762	0.659339943	0.941780614	0.963318361	0.503076578	0.375846901	0.903830228	-0.448128948	1.005.251.282	-1.474.946.699	0.831685434	-3.82	1
1202	-0.141683478	0.745015119	0.243623105	0.133101211	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.11753673	1.851.667.731	-0.219691167	0.375846901	1.452.437.969	-0.94684332	0.053855164	-0.521370158	0.837469571	-5.93	1
1203	0.475539488	0.051833349	0.522040293	0.633445181	0.838449507	0.621144587	0.945228029	0.194801041	0.576498771	0.963318361	-0.219691167	-0.291605354	0.355222488	0.85848153	0.518703114	-0.473752326	0.838578357	-4.86	1
1204	0.72864667	1.517.332.849	0.458323301	0.233170005	-0.890884889	-0.611935623	0.342532633	-0.502007313	0.13816056	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.555014245	-0.042845512	0.63340037	-7.91	1
1205	0.251272535	-0.393442178	0.087537318	0.133101211	0.838449507	0.004604482	0.945228029	-0.03746841	0.101632375	0.963318361	-0.219691167	-0.291605354	0.355222488	0.795586341	0.100088068	-0.228747748	0.749101734	-4.03	1
1206	0.895870942	0.471043966	0.58468755	0.933651563	1.184.316.386	0.004604482	2.150.618.821	0.891609395	0.978308799	0.074968991	-0.219691167	-0.291605354	-0.193385253	1.499.927.743	0.737797405	1.469.437.549	0.817259659	-7.07	1
1207	0.314223433	-0.408212293	0.221839196	0.333238799	0.492582628	0.004604482	0.643880331	-0.269737862	0.284273297	0.074968991	-0.219691167	0.375846901	0.355222488	0.587841628	0.242149763	-0.556631661	0.668122613	-2.43	1
1208	0.391534872	-0.344918006	0.363928037	0.433307593	0.838449507	0.621144587	0.945228029	-0.03746841	0.357329666	0.963318361	-0.219691167	-0.291605354	0.355222488	1.127.850.821	0.341779614	-0.498965614	0.909097367	-2.3	1
1209	0.970056563	1.753.871.896	0.584130083	0.333238799	-0.890884889	-0.611935623	0.643880331	-0.502007313	0.247745113	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.72805343	-0.017878422	0.598721326	-8.78	1
1210	0.970056563	1.753.871.896	0.584130083	0.333238799	-0.890884889	-0.611935623	0.643880331	-0.502007313	0.247745113	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.72805343	0.071172483	0.468662942	-8.71	1
1211	0.713921683	-0.154441444	0.677962858	0.933651563	0.492582628	0.004604482	0.643880331	0.194801041	0.759139693	0.963318361	0.503076578	0.375846901	0.903830228	0.656454561	0.799800469	-0.807689494	10.732.817	-4.47	2
1212	0.66483372	-0.155563683	0.527730476	0.433307593	1.876.050.144	-0.611935623	1.547.923.425	0.427070492	0.39385785	0.963318361	-0.219691167	-0.291605354	0.355222488	0.455909971	0.463692846	-0.542737176	0.928955751	-4.04	1
1213	0.51040708	0.196565995	0.585584018	0.733513975	0.492582628	0.621144587	0.643880331	-0.03746841	0.539970587	1.851.667.731	-0.219691167	-0.291605354	0.903830228	0.833704637	0.58315224	-1.016.359.497	1.368.647.532	-3.88	1
1214	1.211.466.457	1.990.410.944	0.709936865	0.433307593	-0.890884889	-0.611935623	0.945228029	-0.502007313	0.357329666	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.901092615	0.096762043	0.875362186	-7.92	1
1215	0.812230772	-0.01322032	0.793900964	1.033.720.357	0.492582628	0.004604482	0.643880331	0.427070492	0.868724246	0.963318361	0.503076578	0.375846901	0.903830228	0.656454561	0.906697097	-0.878039396	111.653.834	-4.91	1
1216	1.211.466.457	1.990.410.944	0.709936865	0.433307593	-0.890884889	-0.611935623	0.945228029	-0.502007313	0.357329666	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.901092615	0.185608439	0.793551267	-8.46	1
1217	0.237423618	1.206.885.304	0.74725201	0.533376387	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	0.284273297	2.740.017.101	-0.219691167	-0.291605354	1.452.437.969	-0.94684332	0.457629985	-0.432351138	1.708.017.921	-6.78	2
1218	0.51342777	-0.901454491	0.065853854	0.233170005	0.838449507	0.621144587	1.849.271.123	-0.502007313	0.211216928	0.074968991	-0.219691167	0.375846901	0.355222488	1.566.634.761	0.192176739	0.161287449	1.042.823.934	-2.92	1
1219	0.654580194	0.998713565	0.843502987	0.633445181	-0.199151131	-0.611935623	-0.260162762	-0.03746841	0.503442403	0.963318361	-0.219691167	0.375846901	0.903830228	-0.878230388	0.742510738	-0.841340832	0.952305725	-5.87	1
1220	145.287.635	2.226.949.992	0.835743647	0.533376387	-0.890884889	-0.611935623	1.246.575.727	-0.502007313	0.466914218	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	10.741.318	0.135383334	0.825635546	-9.16	1
1221	0.742972169	0.748056025	0.99457157	0.833582769	0.492582628	-0.611935623	0.041184936	0.427070492	0.759139693	0.963318361	-0.219691167	0.375846901	0.903830228	-0.614155304	0.870563781	-0.938310807	0.939585591	-4.37	1
1222	145.287.635	2.226.949.992	0.835743647	0.533376387	-0.890884889	-0.611935623	1.246.575.727	-0.502007313	0.466914218	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	10.741.318	0.306768922	0.678795434	-9.38	1
1223	0.927535622	0.048119099	0.745373697	0.833582769	0.492582628	1.237.684.692	1.246.575.727	-0.03746841	0.759139693	0.963318361	-0.219691167	-0.291605354	0.355222488	1.371.807.915	0.798335112	-0.306062021	1.464.071.295	-3.9	1
1224	0.604840435	0.416640709	0.70850553	0.733513975	0.492582628	-0.611935623	0.342532633	-0.502007313	0.503442403	1.851.667.731	-0.219691167	0.375846901	1.452.437.969	-0.034757205	0.700375302	-0.904680337	1.482.501.459	-3.6	2
1225	0.209165099	1.197.530.898	0.727615103	0.533376387	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	0.211216928	362.836.647	-0.219691167	-0.291605354	2.001.045.709	-0.94684332	0.422878696	-0.515466813	1.583.402.835	-8.7	1
1226	0.209165099	1.197.530.898	0.727615103	0.533376387	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	0.211216928	362.836.647	-0.219691167	-0.291605354	2.001.045.709	-0.94684332	0.422878696	-0.500703497	180.995.615	-7.66	1
1227	1.694.286.243	246.348.904	0.961550429	0.633445181	-0.890884889	-0.611935623	1.547.923.425	-0.502007313	0.576498771	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	1.247.170.987	0.265870572	1.039.001.005	-9.62	1
1228	0.727602394	1.050.662.376	0.756857019	0.833582769	0.492582628	-0.611935623	0.342532633	0.659339943	0.64955514	1.851.667.731	-0.219691167	-0.291605354	0.903830228	0.001031639	0.730198825	-1.089.798.726	0.88615783	-5.66	1
1229	1.205.130.717	0.461233424	1.185.956.078	1.433.995.533	1.184.316.386	-0.611935623	0.643880331	-0.03746841	1.270.534.273	0.963318361	-0.219691167	1.710.751.412	2.001.045.709	0.391955941	130.271.271	-1.457.045.116	192.783.097	-4.47	1
1230	1.108.685.906	-0.582195559	0.436310881	0.533376387	0.838449507	1.237.684.692	2.451.966.519	-0.269737862	0.576498771	0.074968991	-0.219691167	0.375846901	0.355222488	1.559.646.407	0.656144465	-0.059104962	1.153.824.078	-3.18	1
1231	0.763100757	-0.307065966	0.631045215	0.833582769	0.838449507	0.621144587	1.246.575.727	-0.269737862	0.686083324	0.963318361	-0.219691167	0.375846901	0.903830228	1.162.369.056	0.697665499	-0.802460556	1.556.339.727	-4.5	1
1232	1.866.374.457	1.484.643.109	1.182.601.231	1.834.270.709	0.146715749	0.621144587	2.451.966.519	0.194801041	16.723.443	1.851.667.731	-0.219691167	-0.291605354	0.903830228	0.4811104	160.414.543	-1.326.841.317	2.410.888.188	-8.09	2
1233	0.545884418	1.625.429.818	1.164.147.058	0.933651563	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	0.503442403	540.506.521	-0.219691167	-0.291605354	309.826.119	-0.94684332	0.780962624	-0.776900319	2.209.757.484	-8.83	1
1234	2.565.765.796	-0.394817826	2.000.583.868	2.734.889.855	3.605.384.539	1.237.684.692	2.753.314.216	0.427070492	2.658.605.277	0.963318361	1.948.612.067	3.045.655.923	309.826.119	2.459.026.423	2.506.960.352	-1.794.008.575	2.801.553.689	-3.47	1
1235	-1.096.200.465	-0.726037655	-1.075.590.324	-0.967655522	-0.199151131	-0.611935623	-0.56151046	-0.734276764	-1.030.741.338	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.060750303	-1.019.488.022	0.174944458	-0.78550109	0.25	1
1236	-0.801609609	-0.788687559	-0.762931594	-0.66744914	-0.199151131	-0.611935623	-0.56151046	-0.734276764	-0.738515864	-0.813380379	-0.219691167	0.375846901	-0.193385253	-0.223866307	-0.746614915	0.135546928	-0.565496619	-0.89	1
1237	0.102501805	-0.468523596	-0.218720585	-0.267173965	-0.199151131	0.621144587	0.342532633	-0.03746841	-0.190593099	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.581912116	-0.183873714	2.044.187.344	-0.450429404	-2.68	1
1238	-0.658200428	-0.138874901	-0.641825616	-0.66744914	-0.54501801	0.004604482	-0.56151046	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	-0.645394989	0.456897239	-0.51044382	-0.71	2
1239	-0.46158225	0.084428965	-0.403922732	-0.467311552	-0.54501801	0.004604482	-0.56151046	-0.734276764	-0.482818573	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	-0.431601736	0.75482093	-0.331323163	-2.67	1
1240	-0.303139705	-0.147548724	-0.192765716	-0.167105171	-0.199151131	0.004604482	-0.260162762	-0.502007313	-0.190593099	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.135135385	-0.222386195	0.093446161	-0.084432723	-2.49	1
1241	-0.106521526	0.177053515	0.039060273	0.033032417	-0.199151131	0.004604482	-0.260162762	-0.03746841	0.028576007	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.135135385	-0.008592942	0.236964282	-0.04122507	-2.53	2

1242	-0.247694976	-1.290.943.872	-0.440494588	-0.167105171	0.492582628	0.621144587	0.945228029	-0.734276764	-0.190593099	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.831163418	-0.335003737	0.876863434	0.269304411	-2.28	1
1243	-0.064210842	-0.35191933	0.031619844	-0.067036377	1.184.316.386	0.621144587	0.643880331	0.427070492	-0.044480362	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.381579294	-0.047356434	0.204071319	-0.235162437	-2.73	1
1244	0.13940188	-0.523911527	-0.026582742	-0.067036377	0.492582628	-0.611935623	0.643880331	0.427070492	0.101632375	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.499110706	-0.074114414	3.782.246.278	-0.02048451	-1.91	1
1245	-0.092644575	-0.926578167	-0.014825709	0.033032417	0.838449507	0.621144587	0.643880331	-0.502007313	0.028576007	0.074968991	0.503076578	0.375846901	0.355222488	1.067.285.084	-0.048203801	-0.571227902	-0.034605917	-1.94	1
1246	0.019793773	-0.328859126	0.131085047	0.133101211	1.184.316.386	0.621144587	0.643880331	0.427070492	0.174688744	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.577041445	0.082303205	0.243696193	-0.109520036	-2.56	1
1247	0.233197456	0.033457588	0.306074496	0.233170005	-0.199151131	-0.611935623	0.041184936	0.427070492	0.247745113	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.32127973	0.274869255	0.451331757	0.061162933	-2.09	1
1248	0.628291081	0.392849239	0.225291977	0.433307593	-0.54501801	-0.611935623	0.945228029	-0.269737862	0.430386034	0.074968991	0.503076578	0.375846901	0.355222488	-0.516741881	0.448114809	-0.528683389	0.394985327	-4.05	1
1249	0.440636853	-0.445680599	0.474610383	0.633445181	0.492582628	0.621144587	0.041184936	-0.734276764	0.539970587	0.074968991	0.503076578	2.378.203.668	2.001.045.709	0.174046349	0.541408214	-1.120.705.212	0.893224249	-3.15	1
1250	0.398536425	-0.211733562	0.454004186	0.533376387	0.492582628	-0.611935623	0.342532633	0.427070492	0.539970587	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.235670927	0.471394325	0.741303251	0.356636083	-1.6	1
1251	1.014.673.065	0.7100447	0.747287166	0.833582769	0.838449507	0.004604482	1.246.575.727	1.356.148.297	0.90525243	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.629559986	0.904278256	-0.35167967	0.539966993	-6.43	2
1252	0.526933268	0.258868368	0.209959119	0.233170005	1.184.316.386	-0.611935623	1.547.923.425	0.427070492	0.247745113	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.553111625	0.283500468	0.373121859	0.347088573	-4.68	1
1253	0.545562024	0.520096676	0.615202601	0.733513975	0.492582628	0.621144587	0.643880331	0.194801041	0.613026956	0.963318361	-0.219691167	-0.291605354	0.355222488	0.676572551	0.615362201	-0.989005703	0.818712434	-4.52	1
1254	0.17642811	-0.480361408	0.049062038	0.233170005	0.838449507	-0.611935623	0.945228029	-0.502007313	0.065104191	1.851.667.731	-0.219691167	-0.291605354	0.903830228	0.546970344	0.163582962	-0.564671857	0.927444501	-3.63	2
1255	0.314251467	-0.273239506	0.225088577	0.333238799	0.838449507	0.621144587	0.945228029	-0.03746841	0.284273297	0.963318361	-0.219691167	-0.291605354	0.355222488	1.133.145.029	0.233868988	-0.545980892	0.808190414	-2.22	1
1256	0.714089888	0.122063797	0.478130964	0.433307593	1.184.316.386	-0.611935623	1.246.575.727	0.891609395	0.503442403	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.362520146	0.464277202	0.226573368	0.537197072	-3.58	1
1257	0.860330528	0.647199308	0.700796412	0.733513975	0.838449507	-0.611935623	0.945228029	-0.03746841	0.722611509	0.963318361	-0.219691167	-0.291605354	0.355222488	0.265742028	0.795712934	-0.184603014	1.094.541.251	-5.54	1
1258	1.082.186.535	1.799.232.078	0.611250108	0.433307593	-0.54501801	-0.611935623	0.945228029	-0.269737862	0.357329666	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.751381169	0.813933351	-0.383844947	0.810316624	-8.31	2
1259	1.565.006.322	2.272.310.174	0.862863672	0.633445181	-0.54501801	-0.611935623	1.547.923.425	-0.269737862	0.576498771	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.751381169	1.160.011.723	-0.184757649	0.973437405	-10.1	1
1260	1.053.640.665	0.715583493	0.982116447	1.133.789.151	1.184.316.386	-0.611935623	0.945228029	0.659339943	0.978308799	1.851.667.731	-0.219691167	-0.291605354	0.903830228	0.546970344	1.079.589.461	-1.342.156.004	1.577.965.956	-5.97	1
1261	1.288.154.134	0.80956197	1.067.243.192	1.233.857.945	1.184.316.386	-0.611935623	1.246.575.727	0.427070492	1.087.893.352	1.851.667.731	0.503076578	0.375846901	1.452.437.969	0.289883615	1.262.632.546	-1.408.782.131	1.587.470.049	-4.91	1
1262	-0.864118967	-0.463093406	-0.686500835	-0.767517934	-0.54501801	0.004604482	-0.862858158	-0.734276764	-0.701987679	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.692086042	-0.770026176	-0.868493999	-0.914869862	-0.49	2
1263	-0.758913453	-0.099017311	-0.598980999	-0.66744914	-0.54501801	-0.611935623	-0.862858158	0.194801041	-0.592403126	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-0.669553633	0.428127078	-0.816993562	-1.48	1
1264	0.402110791	-0.036787342	-0.539794056	-1.067.724.316	-0.890884889	-0.611935623	-0.56151046	-0.734276764	-1.030.741.338	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.638519899	-0.219193374	-0.927662888	-3.22	1
1265	-0.738168112	-0.807584618	-0.707054298	-0.66744914	-0.199151131	0.621144587	-0.260162762	-0.03746841	-0.592403126	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.394073624	-0.713148368	0.764485498	-0.750675595	-0.11	1
1266	-0.199041544	-0.36339513	-0.432961247	-0.567380346	-0.54501801	0.004604482	-0.260162762	-0.03746841	-0.482818573	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.034333669	-0.453869108	1.752.462.271	-0.674800841	-1.44	1
1267	-0.633270975	-0.813594028	-0.743882287	-0.567380346	-0.199151131	0.621144587	0.041184936	-0.03746841	-0.519346758	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.632948279	-0.652421376	1.166.640.473	-0.620835851	0.48	2
1268	-0.436652797	-0.531151779	-0.512006075	-0.367242759	-0.199151131	0.621144587	0.041184936	0.427070492	-0.300177652	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.632948279	-0.438628123	0.923713532	-0.554828063	0.09	1
1269	-0.169339261	-0.021257	-0.008801548	-0.067036377	-0.54501801	0.004604482	-0.260162762	-0.502007313	0.028576007	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.261984603	-0.068917891	-0.543705606	-0.499988787	-2.26	1
1270	-0.338652085	-1.428.291.462	-0.51025834	-0.267173965	0.492582628	1.854.224.797	0.342532633	-0.502007313	-0.227121283	-0.813380379	-0.219691167	0.375846901	-0.193385253	1.128.274.358	-0.375958903	0.113764073	-0.360951395	0.01	1
1271	0.33630741	1.271.815.888	0.599869742	0.433307593	-0.54501801	0.004604482	-0.56151046	2.749.765.005	0.613026956	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.156947521	0.479929845	0.269571809	-0.450833036	-4.69	2
1272	-0.86473572	-1.088.289.206	-0.91134593	-0.767517934	-0.199151131	0.004604482	-0.260162762	-0.734276764	-0.775044048	-0.813380379	0.503076578	0.375846901	-0.193385253	0.030890971	-0.844037271	-0.213421377	-0.688134722	0.39	1
1273	-0.682218767	-1.002.303.968	-0.619469174	-0.567380346	0.146715749	0.621144587	0.041184936	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.573017847	-0.658693774	0.787520949	-0.239803698	-1.44	1
1274	-0.296572683	-2.101.996.953	-0.539316945	-0.267173965	1.184.316.386	2.470.764.902	0.643880331	0.427070492	-0.154064915	-0.813380379	-0.219691167	-0.291605354	-0.741992993	1.556.681.651	-0.373864183	1.738.699.783	-0.570339488	0.32	1
1275	-0.661172058	-0.361744352	-0.57263942	-0.467311552	-0.199151131	-0.611935623	-0.56151046	-0.734276764	-0.628931311	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.060750303	-0.537614942	0.722127149	-0.193334861	-2.38	2
1276	-0.085776185	-0.628533175	-0.172257453	0.033032417	0.146715749	0.621144587	0.342532633	-0.734276764	0.028576007	-0.813380379	1.225.844.322	1.043.299.157	0.355222488	0.647136755	-0.056451272	-0.586316302	-0.157353902	-2.98	1
1277	-0.513578766	-0.142676034	-0.334317179	-0.367242759	-0.54501801	0.004604482	-0.56151046	-0.269737862	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.330597536	-0.415162743	-0.180673699	-0.336502543	-1.55	2
1278	0.454653975	-0.159654426	0.286091055	0.133101211	1.184.316.386	0.004604482	1.246.575.727	1.123.878.846	0.284273297	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.421815273	0.230630622	1.325.996.693	-0.264215255	0.54	1
1279	-0.479040576	-0.591245875	-0.551071467	-0.367242759	0.146715749	1.237.684.692	0.041184936	-0.502007313	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.699867065	-0.480612039	0.608383235	-0.163331275	-1.41	1
1280	-0.520937755	-100.379.546	-0.760212058	-0.567380346	0.146715749	0.621144587	0.643880331	-0.502007313	-0.555874942	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.811892501	-0.662862301	0.613958902	-0.215007158	-0.3	2
1281	-0.619064622	-0.640001735	-0.55886094	-0.467311552	0.146715749	0.004604482	0.041184936	-0.734276764	-0.555874942	0.963318361	-0.219691167	-0.291605354	0.355222488	0.206446901	-0.56449188	0.199557075	-0.091216801	-0.41	1
1282	-0.387936288	-0.706365889	-0.515295634	-0.267173965	0.146715749	0.621144587	0.342532633	-0.269737862	-0.336705836	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.905917631	-0.397447245	0.699224938	-0.139721902	-1.48	1
1283	0.756898181	0.731548249	0.843427654	0.933651563	0.146715749	-0.611935623	-0.260162762	-0.502007313	0.941780614	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	-0.028404156	0.903618425	-1.436.899.331	0.714109782	-4.53	1
1284	-0.534884792	-0.61578309	-0.472370661	-0.367242759	0.492582628	-0.611935623	0.041184936	-0.734276764	-0.482818573	0.963318361	-0.219691167	-0.291605354	0.355222488	0.14503409	-0.463548174	0.138648904	0.094995994	-0.01	1
1285	-0.521063909	-0.983269344	-0.520365572	-0.367242759	0.492582628	0.004604482	0.342532633	-0.734276764	-0.482818573	0.963318361	-0.219691167	-0.291605354	0.355222488	0.567935407	-0.500553721	0.274834417	0.236740289	-2	2
1286	-0.500010191	-1.158.736.862	-0.496055483	-0.367242759	0.492582628	1.237.684.692	0.643880331	-0.734276764	-0.446290389	0.963318361	-0.219691167	-0.291605354	0.355222488	1.180.369.362	-0.511816124	0.38268983	0.252918676	-3.38	1
1287	-0.391783988	-0.490895976	-0.465515322	-0.367242759	0.492582628	-0.611935623	0.342532633	-0.734276764	-0.482818573	0.963318361	-0.219691167	-0.291605354	0.355222488	0.14503409	-0.397405615	0.138648904	0.106580166	-0.71	2
1288	-0.247064206	-0.581138482	-0.333229867	-0.267173965	0.146715749	0.621144587	0.342532633	-0.502007313	-0.263649468	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.755562131	-0.339129274	0.913409594	0.129287412	-1.62	1
1289	-0.42275482	-0.724321715	-0.426793953	-0.267173965	0.838449507	-0.611935623	0.342532633	-0.502007313	-0.373234021	0.963318361	-0.219691167	-0.291605354	0.355222488	0.340496241	-0.377668252	-0.059527387	0.146547086	-1.14	1
1290	-0.408450347	-0.48756908	-0.405758356	-0.367242759	0.492582628	0.004604482	0.342532633	-0.734276764	-0.482818573	0.963318361	-0.219691167	-0.291605354	0.355222488	0.206446901	-0.39647328	0.274834417	0.236740289	-2.68	2
1291	-0.42275482	-0.979504413	-0.404344599	-0.267173965	0.838449507	-0.611935623	0.342532633	-0.734276764	-0.373234021	0.963318361	-0.219691167	-0.291605354	0.355222488	0.337955022	-0.390130709	0.364251883	0.350030522	-0.92	1
1292	-0.42275482	-0.979504413	-0.404344599	-0.267173965	0.838449507	-0.611935623	0.342532633	-0.734276764	-0.373234021	0.963318361	-0.219691167	-0.291605354	0.355222488	0.337955022	-0.390130709	0.370633737	0.350030522	-1.07	2
1293	1.976.177.587	-3.620.350.296	1.069.699.061	1.934.339.503	4.642.985.177	6.170.005.533	365.735.731	1.123.878.846	2.183.738.881	-0.813380379	1.948.612.067	1.710.751.412	0.903830228	4.742.947.656	1.700.829.573	-1.318.697.738	0.846231821	0.3	1
1294	-0.331342155	-0.70354219	-0.231554885	-0.167105171	0.838449507	-0.611935623	0.342532633	-0.502007313	-0.263649468	0.963318361	-0.219691167	-0.291605354	0.355222488	0.213647023	-0.259917473	-0.12876874	0.208850341	-0.09	1
1295	0.019688645	-0.026650988	0.012467582	0.033032417	1.184.316.386	0.004604482	1.246.575.727	0.194801041	-0.007952178	0.074968991	-0.219691167	-0.291605354	-0.193385253	1.159.404.299	0.006703986	0.416604082	0.095199739	-3.48	1
1296	0.167380057	0.10752537	0.405255942	0.333238799	-0.199151131	0.004604482	-0.260162762	-0.269737862	0.320801481	0.074968991	0.503076578	0.375846901	0.355222488	-0.261984603	0.306058562	-0.781737689	0.198532248	-1.99	1
1297	0.188097364	-0.119072811	0.265457236	0.333238799	0.146715749	-0.611935623	0.041184936	0.427070492	0.320801481	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.040208777	0.278617775	-0.125452899	0.133895089	-2.28	1
1298	-0.239957525	-0.320243225	-0.120337672	-0.067036377	0.492582628	-0.611935623	0.041184936	-0.269737862	-0.154064915	0.963318361	-0.219691167	-0.291605354	0.355222488	0.14503409	-0.142858295	-0.042070587	0.166217726	-0.18	1
1299	0.321582422	0.473614256	0.477879853	0.533376387	-0.199151131	0.004604482	-0.56151046	-0.734276764	0.430386034	0.074968991	1.225.844.322	1.710.751.412	1.452.437.969	-0.156947521	0.471957236	-1.210.626.671	0.775923372	-4.99	1
1300	0.005657505	0.170435924	0.260389809	0.233170005	0.146715749	0.004604482	-0.260162762	-0.269737862	0.065104191	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.146147337	0.167593513	-0.551643781	0.598893005	-4.6	1
1301	-0.015697581	-0.831911867	0.021575391	0.133101211	0.492582628	0.621144587	0.643880331	-0.269737862	0.065104191	0.963318361	-0.219691167	-0.291605354	0.355222488	0.990836724	-0.003076137	0.209716244	0.812239435	-2.39	1
1302	0.41897339	0.185560811	0.278472337	0.533376387	1.184.316.386	-0.611935623	1.246.575.727	0.427070492	0.503442403	0.074968991	-0.219691167	-0.291605354	-0.193385253	1.437.244.323	0.390380961	1.134.492.694	0.610918983	-2.25	1
1303	0.307453163	0.548514667	0.510926105	0.533376387	-0.199151131	0.004604482	-0.56151046	-0.734276764	0.39385785	0.963318361	0.503076578	1.043.299.157	1.452.437.969	-0.156947521	0.453774235	-0.985970876	1.064.612.042	-4.96	1
1304	0.271793603	-0.030126309	0.238081078	0.433307593	0.146715749	0.004604482	0.342532633	-0.502007313	0.320801481	0.963318361	-0.219691167	0.375846901	0.903830228	0.308942763	0.280247133	-0.238086762	1.153.652.595	-3.74	1
1305	0.925264848	147.204.507	0.661949488	0.433307593	-0.890884889	-0.611935623	0.342532633	-0.269737862	0.357329666	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.768807497	-0.22244385	0.575909594	-7.13	2
1306	0.678878876	-0.420267313	0.683168396	0.833582769	0.838449507	0.621144587	0.945228029	-0.03746841	0.759139693	0.963318361	0.503076578	0.375846901	0.903830228	0.632312974	0.68398215	-0.61017141	1.327.217.996	-2.76	1
1307	0.622845429	-0.074255648	0.701825969	0.833582769	0.492582628	0.621144587	0.643880331	-0.03746841	0.686083324	0.963318361	-0.219691167	0.375846901	0.903830228	0.994013249	0.702874793	-0.645734316	1.416.361.684	-3.72	1
1308	1.205.467.128	-0.115669892	1.201.236.203	1.433.995.533	0.838449507	-0.611935623	0.643880331	-0.269737862	1.307.062.457	0.074968991	2.671.379.811	3.713.108.179	309.826.119	0.138257504	1.326.353.486	-1.533.410.796	174.245.083	-2.79	1
1309	1.565.006.322	2.272.310.174	0.862863672	0.633445181	-0.54501801	-0.611935623	1.547.923.425	-0.269737862	0.576498771	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.751381169	1.160.011.723	-0.23268822	0.883235622	-10.1	2
1310	1.068.057.276	183.800.363	0.630384792	0.433307593	-0.54501801	-0.611935623	0.945228029	-0.734276764	0.320801481	1.851.667.731	-0.219691167	-0.291605354	0.903830228	-0.66857976	0.780126149	-0.127917089	1.355.993.459	-10.3	1

1311	525.904.376	-5.605.410.312	3.443.344.077	5.136.540.911	9.485.121.484	1.048.578.627	787.622.508	0.659339943	5.544.331.837	-0.813380379	1.568.119.921	1.439.234.427	113.273.773	9.110.033.762	4.722.178.701	-1.957.742.246	2.468.585.162	-0.91	1
1312	1.004.819.027	-0.125190824	0.846300368	0.933651563	0.492582628	0.621144587	1.246.575.727	-0.03746841	0.832196061	0.963318361	-0.219691167	0.375846901	0.903830228	1.012.013.555	0.904054518	-106.438.388	1.576.490.797	-3.79	1
1313	1.239.991.301	0.104868198	1.191.626.172	1.433.995.533	0.838449507	0.004604482	1.246.575.727	-0.03746841	1.270.534.273	1.851.667.731	0.503076578	0.375846901	1.452.437.969	0.446168628	1.239.340.097	-0.958788989	2.236.562.956	-3.82	1
1314	6.395.418.894	-6.393.077.377	426.280.576	6.237.297.645	1.121.445.588	1.233.540.658	938.296.357	0.891609395	6.713.233.735	-0.813380379	1.495.843.147	1.372.489.201	1.077.876.956	1.078.617.994	5.759.977.421	-2.103.393.421	3.121.960.454	-1.84	1
1315	7.531.794.029	-7.180.744.442	5.082.267.444	7.338.054.378	1.294.379.027	141.850.269	1.088.970.206	1.123.878.846	7.882.135.632	-0.813380379	2.146.334.117	1.973.196.231	1.571.623.922	1.246.232.612	679.777.614	-2.232.622.946	3.785.747.435	-0.75	1
1316	-0.168750542	1.186.742.921	0.202792401	-0.067036377	-0.890884889	-0.611935623	-1.164.205.856	18.206.872	0.101632375	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	0.008831672	0.08218423	-0.774334349	-7.456	1
1317	-1.053.840.721	-0.457156399	-0.925425742	-0.967655522	-0.54501801	-0.611935623	-0.862858158	-0.269737862	-0.921156785	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.751381169	-0.985836272	-0.407868448	-0.911972979	-0.858	2
1318	-0.010483211	0.090930712	-0.40624049	-0.367242759	0.492582628	-0.611935623	0.945228029	0.194801041	-0.263649468	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.001031639	-0.274027021	1.768.072.036	-0.476481127	-1.344	1
1319	0.531474816	0.289306389	0.465505086	0.433307593	1.184.316.386	-0.611935623	0.945228029	0.891609395	0.39385785	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.405085576	0.447171645	0.205238109	0.426724687	-4.63	1
1320	-0.057314418	-0.744920233	-0.044014891	-0.067036377	1.184.316.386	0.004604482	0.643880331	-0.502007313	-0.044480362	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.616006814	-0.071704407	0.865558705	0.118646923	-2.245	1
1321	0.580787053	0.03551382	0.516907577	0.433307593	1.530.183.265	-0.611935623	1.246.575.727	0.891609395	0.503442403	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.254094771	0.4693763	0.435224262	0.306575497	-4.133	1
1322	1.183.200.929	1.333.683.845	1.120.654.574	1.133.789.151	0.146715749	-0.611935623	0.342532633	0.659339943	1.014.836.983	0.963318361	0.503076578	0.375846901	0.903830228	-0.194430512	1.211.143.117	-1.443.537.023	1.286.955.725	-6.99	2
1323	-0.535179152	0.099981027	-0.683831521	-0.467311552	-0.890884889	-0.611935623	-0.260162762	-0.734276764	-0.482818573	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.582179321	0.314100495	-0.42247147	-2.511	1
1324	0.216972637	0.760400655	0.476654429	0.333238799	-0.54501801	-0.611935623	-0.56151046	18.206.872	0.466914218	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.516741881	0.372357552	-1.215.054.597	-0.379674559	-4.67	1
1325	0.103630184	0.026963081	0.266667593	0.333238799	0.146715749	0.004604482	-0.260162762	-0.502007313	0.13816056	0.963318361	-0.219691167	0.375846901	0.903830228	0.030890971	0.226605515	-0.488258974	0.903571973	-6.3	2
1326	0.566896084	-0.547044134	0.519966113	0.733513975	0.838449507	0.004604482	0.342532633	0.194801041	0.686083324	0.074968991	1.948.612.067	1.710.751.412	1.452.437.969	0.372473256	0.645136132	-1.663.815.208	0.543025858	-0.504	1
1327	0.47640855	0.553836253	0.604289302	0.633445181	-0.199151131	0.004604482	-0.56151046	-0.734276764	0.686083324	-0.813380379	2.671.379.811	2.378.203.668	1.452.437.969	-0.156947521	0.626152989	-1.385.511.364	0.300936927	-4.402	1
1328	0.46227929	0.524911444	0.603686635	0.633445181	-0.199151131	0.004604482	-0.56151046	-0.734276764	0.64955514	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	-0.156947521	0.614571386	-1.315.383.824	0.438583551	-4.122	1
1329	-0.513578766	-0.205521425	-0.331474599	-0.367242759	-0.199151131	0.004604482	-0.56151046	-0.269737862	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.034333669	-0.418689129	0.223657169	-0.28002558	-2.627	2
1330	-1.121.178.977	-0.383921246	-1.070.392.319	-116.779.311	-0.890884889	-0.611935623	-0.862858158	-0.734276764	-1.140.325.891	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-1.112.470.261	-0.681928158	-0.952708549	-1.36	2
1331	-1.236.504.853	-0.481411245	-1.189.544.651	-116.779.311	-0.890884889	-0.611935623	-0.862858158	-0.734276764	-1.140.325.891	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-1.215.550.966	-0.681928158	-0.952708549	-0.276	1
1332	-0.476629631	-0.017709276	-1.050.177.857	-0.66744914	-0.890884889	-0.611935623	0.643880331	-0.734276764	-0.555874942	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.751096253	1.662.973.551	-0.798469802	-3.411	1
1333	-1.053.532.344	-0.136413215	-0.842408333	-0.967655522	-0.890884889	-0.611935623	-1.164.205.856	-0.502007313	-0.884628601	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.953237964	-0.23154476	-0.94226098	-3.163	1
1334	-0.93478629	-0.636316446	-0.91770658	-0.867586728	-0.199151131	-0.611935623	-0.260162762	-0.502007313	-0.811572232	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.033274827	-0.920940421	0.687083929	-0.8141226	-0.615	1
1335	-0.351856214	-0.264529483	-0.246003832	-0.267173965	-0.199151131	0.621144587	-0.56151046	-0.502007313	-0.154064915	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.090028735	-0.27461293	-0.321962166	-0.573869237	-1.634	2
1336	0.335711682	0.852894881	0.592657824	0.533376387	-0.199151131	0.621144587	-0.56151046	0.427070492	0.466914218	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.090028735	0.492232504	-0.517118656	0.35230832	-4.353	1
1337	0.097154273	-0.016514635	-0.538563611	-0.867586728	-0.890884889	-0.611935623	-0.260162762	-0.269737862	-0.775044048	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.528192335	0.043060972	-0.903175866	-2.374	1
1338	-0.169654647	0.352665838	0.067820055	0.033032417	-0.54501801	-0.611935623	-0.862858158	0.194801041	-0.081008546	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.751381169	-0.010508509	-1.165.411.451	-0.027382311	-3.695	1
1339	-0.646783481	-0.249614563	-0.565457635	-0.567380346	-0.199151131	-0.611935623	-0.56151046	0.194801041	-0.482818573	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.583673711	0.435988172	-0.760499951	-1.905	1
1340	-0.955223255	0.004807909	-0.726470227	-0.867586728	-0.890884889	-0.611935623	-1.164.205.856	-0.269737862	-0.775044048	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.846341338	-0.119377112	-0.922068979	-3.74	2
1341	-0.548166016	0.003721871	-0.345514234	-0.467311552	-0.54501801	0.004604482	-0.862858158	0.194801041	-0.336705836	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.445134244	0.789232021	-0.79458891	-2.159	1
1342	-106.796.998	-0.412411639	-0.934063973	-0.967655522	-0.54501801	-0.611935623	-0.862858158	-0.269737862	-0.957684969	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.751381169	-0.997417876	-0.086180433	-0.889363272	-1.261	1
1343	-0.534289064	-1.573.386.121	-0.372347992	-0.467311552	0.492582628	1.854.224.797	0.041184936	0.891609395	-0.336705836	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.664713525	-0.480563355	-0.09329131	-0.842383116	0.835	1
1344	-0.232437338	-1.721.956.101	-0.04917523	-0.167105171	0.838449507	2.470.764.902	0.342532633	1.588.417.748	-0.007952178	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.919470803	-0.173562414	0.048133607	-0.76156773	0.723	1
1345	-0.157298553	0.040538555	-0.9765269	-0.267173965	-0.890884889	-0.611935623	1.246.575.727	-0.734276764	-0.154064915	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.94684332	-0.517359271	0.561715535	-0.558804811	-3.638	1
1346	-0.500087285	-1.611.107.836	-0.695412776	-0.467311552	0.838449507	1.237.684.692	0.643880331	0.194801041	-0.373234021	-0.813380379	-0.219691167	-0.291605354	-0.741992993	1.251.947.051	-0.572492149	2.027.877.808	-0.66661637	0.821	1
1347	-0.759572258	-0.168125521	-0.811546749	-0.66744914	-0.890884889	-0.611935623	-0.56151046	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.759034428	0.530077024	-0.526526309	-2	1
1348	-0.324501799	-1.342.965.086	-0.771213246	-0.567380346	0.492582628	0.621144587	1.246.575.727	-0.269737862	-0.446290389	-0.813380379	-0.219691167	-0.291605354	-0.741992993	1.355.925.292	-0.654336096	2.223.115.324	-0.320834408	0.754	1
1349	0.719914003	0.493488749	0.599141519	0.633445181	0.146715749	0.004604482	0.342532633	0.194801041	0.539970587	0.963318361	-0.219691167	-0.291605354	0.355222488	0.03851463	0.699771409	-0.21235396	0.628159826	-4.512	1
1350	0.160147222	0.014256438	0.270605019	0.333238799	0.146715749	-0.611935623	-0.260162762	-0.269737862	0.284273297	0.074968991	1.225.844.322	1.043.299.157	0.903830228	-0.32127973	0.281838268	-1.396.340.081	0.185973293	-2.369	1
1351	-0.450165303	0.032827686	-0.333581423	-0.367242759	-0.199151131	-0.611935623	-0.56151046	0.659339943	-0.263649468	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.369880458	0.409261199	-0.702461693	-2.467	1
1352	-0.738476489	-1.166.447.731	-0.812513528	-0.66744914	-0.199151131	0.621144587	0.041184936	-0.269737862	-0.628931311	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.459298264	-0.746627529	0.590186124	-0.713327316	-0.649	1
1353	0.423556989	0.226070024	-0.296743389	-0.66744914	-0.890884889	-0.611935623	-0.56151046	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.342556767	0.399064665	-0.569179865	-4.452	1
1354	-0.843093283	-0.367775483	-0.691570773	-0.767517934	-0.54501801	0.004604482	-0.862858158	-0.502007313	-0.665459495	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.765824123	1.049.919.387	-0.842436039	-0.411	1
1355	-0.744784194	-0.17438834	-0.573874887	-0.66744914	-0.54501801	0.004604482	-0.862858158	-0.03746841	-0.555874942	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.658927497	0.835225938	-0.820853112	-1.001	1
1356	-0.541837285	-0.326216434	-0.35425542	-0.367242759	-0.54501801	0.004604482	-0.56151046	-0.734276764	-0.482818573	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.250972651	-0.461236633	0.396933752	0.208016825	-1.481	1
1357	0.752959369	0.168908231	-0.17076083	-0.66744914	-0.890884889	-0.611935623	-0.56151046	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.251961842	0.530077024	-0.526526309	-4.217	1
1358	-0.812122451	-0.005581853	-0.714492216	-0.867586728	-0.890884889	-0.611935623	-0.862858158	-0.269737862	-0.775044048	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.780198779	-0.119377112	-0.91116048	-2.63	1
1359	0.752959369	0.168908231	-0.17076083	-0.66744914	-0.890884889	-0.611935623	-0.56151046	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.251961842	0.456897239	-0.516037729	-4.518	1
1360	-0.217382949	0.24373624	-0.4902749	-0.66744914	-0.890884889	-0.611935623	-0.56151046	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.493012356	0.530077024	-0.5209324	-3.203	1
1361	0.267756672	0.076631213	0.222143041	0.333238799	-0.199151131	0.621144587	0.041184936	-0.502007313	0.174688744	0.963318361	-0.219691167	0.375846901	0.903830228	0.271459772	0.290683736	-0.379291206	0.880902268	-4.161	1
1362	-0.688554507	0.199425895	-0.413510163	-0.567380346	-0.890884889	-0.611935623	-1.164.205.856	0.427070492	-0.519346758	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.542459064	-0.041541274	-0.767369303	-4.094	1
1363	-0.714430115	-0.440069403	-0.789253084	-0.767517934	-0.54501801	0.004604482	-0.260162762	-0.502007313	-0.738515864	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.156947521	-0.748268715	1.226.508.448	-0.695408985	-0.605	1
1364	0.763514262	0.193923303	0.748859123	0.933651563	0.492582628	-0.611935623	0.342532633	0.194801041	0.90525243	-0.813380379	0.503076578	1.710.751.412	0.903830228	0.401697283	0.86176125	-1.418.716.736	0.805427991	-4.858	1
1365	0.545562024	0.490527485	0.618215937	0.733513975	0.492582628	0.621144587	0.643880331	-0.03746841	0.613026956	0.963318361	-0.219691167	-0.291605354	0.355222488	0.676572551	0.615362201	-0.933241218	0.935477091	-4.779	2
1366	0.626433812	0.625623356	0.764754471	0.633445181	-0.199151131	-0.611935623	0.041184936	1.356.148.297	0.686083324	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.32127973	0.702455761	0.409475187	0.210549381	-4.193	1
1367	-0.092364233	-0.208699896	0.092765456	0.033032417	0.146715749	0.621144587	0.041184936	0.427070492	0.065104191	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.27675398	-0.01378763	0.277367912	0.055093979	-3.02	1
1368	0.019793773	-0.328279906	0.131637491	0.133101211	1.184.316.386	0.621144587	0.643880331	0.659339943	0.174688744	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.577041445	0.082303205	0.169135386	-0.055667044	-2.575	1
1369	0.040994671	-0.296133185	0.070097635	0.033032417	0.492582628	0.004604482	0.643880331	-0.502007313	0.065104191	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.283954102	0.042787491	0.22274059	0.012170298	-1.997	1
1370	0.770172396	0.54370714	0.717799161	0.633445181	0.838449507	0.004604482	1.246.575.727	1.123.878.846	0.686083324	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.612406753	0.651760602	0.50132525	0.56522153	-4.814	1
1371	0.938770346	0.700958183	0.984758139	1.033.720.357	-0.199151131	0.004604482	0.342532633	0.194801041	0.868724246	0.963318361	-0.219691167	0.375846901	0.903830228	0.204540986	0.949917553	-0.792442962	1.647.477.425	-4.552	1
1372	0.30804889	0.896082986	0.585686974	0.433307593	-0.199151131	-0.611935623	-0.56151046	1.356.148.297	0.539970587	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	0.462129344	151.113.817	-0.141258169	-5.693	1
1373	0.990619682	0.737340451	0.92095828	1.033.720.357	0.146715749	-0.611935623	0.643880331	0.427070492	0.941780614	0.963318361	-0.219691167	-0.291605354	0.355222488	0.040208777	1.003.488.523	-0.345095572	1.156.907.778	-4.561	2
1374	1.396.541.535	1.054.029.094	0.859066868	1.333.926.739	0.838449507	-0.611935623	2.451.966.519	0.659339943	1.270.534.273	0.963318361	-0.219691167	-0.291605354	0.355222488	0.948906598	1.159.193.596	0.006427318	1.483.637.992	-6.625	2
1375	-0.394468267	-1.020.484.242	-0.335979536	-0.267173965	1.184.316.386	1.237.684.692	0.643880331	-0.269737862	-0.300177652	0.074968991	0.503076578	0.375846901	0.355222488	1.228.864.305	-0.361900833	-0.695295133	-0.215500807	-1.179	2
1376	-1.067.661.604	-0.173302302	-0.893735491	-0.967655522	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.921156785	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.94684332	-0.970130492	-0.815188047	-0.948946706	-2.64	2
1377	-0.955223255	0.004807909	-0.726470227	-0.867586728	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.775044048	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.846341338	0.573099229	-0.898088135	-3.55	2
1378	-0.969352514	-0.032081177	-0.777797385	-0.867586728	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.811572232	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.94684332	-0.863233865	-0.921799952	-0.938038208	-3.1	1
1379	-0.716813026	0.066118367	-0.452583088	-0.567380346	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.578261511	0.577177975	-0.390482447	-3.31	1

1380	-0.618503937	0.138354365	-0.338452983	-0.467311552	-0.890884889	-0.611935623	-1.164.205.856	-0.269737862	-0.482818573	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.471364885	0.098157762	-0.531952752	-3.75	2
1381	-0.618503937	0.249499481	-0.336695204	-0.467311552	-0.890884889	-0.611935623	-1.164.205.856	-0.502007313	-0.482818573	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.471364885	0.221629088	-0.439415481	-3.77	2
1382	-0.380093708	0.307052248	-0.074986964	-0.167105171	-0.890884889	-0.611935623	-1.164.205.856	-0.269737862	-0.300177652	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	-0.203285057	-0.715217102	-0.112089971	-4.17	1
1383	-0.394222967	0.2999568	-0.100248765	-0.167105171	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.336705836	0.963318361	-0.219691167	0.375846901	0.903830228	-0.94684332	-0.220177584	-0.511478893	0.169809302	-4.91	1
1384	-0.464273537	0.37193939	-0.131939016	-0.267173965	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.373234021	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	-0.304228763	0.285097374	0.059210581	-4.74	1
1385	-0.464273537	0.37193939	-0.131939016	-0.267173965	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.373234021	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	-0.304228763	0.152233896	0.061308297	-4.72	2
1386	-0.478402797	0.184329969	-0.183818619	-0.267173965	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.409762205	0.963318361	-0.219691167	0.375846901	0.903830228	-0.94684332	-0.32112129	-0.179262252	0.14290878	-4.63	1
1387	-0.211734048	0.677760414	0.188705055	0.033032417	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.154064915	1.851.667.731	-0.219691167	-0.291605354	0.903830228	-0.94684332	-0.030196015	-0.156793398	0.645449045	-5.89	1
1388	-0.963948914	-0.364806979	-1.057.259.196	-116.779.311	-0.890884889	-0.611935623	-0.56151046	-0.734276764	-1.103.797.707	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-1.034.746.099	-1.391.327.532	-0.973713048	-0.63	1
1389	-0.411001463	-0.103795878	-0.860187016	-1.067.724.316	-0.890884889	-0.611935623	-0.260162762	-0.734276764	-0.994213154	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.80184625	-0.507561516	-0.951337412	-1.54	2
1390	-0.099463905	-0.047285708	-0.78299539	-1.067.724.316	-0.890884889	-0.611935623	-0.260162762	-0.734276764	-0.994213154	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.741985587	-0.507561516	-0.951337412	-1.9	1
1391	-0.24256471	-0.236401102	-0.780660054	-1.067.724.316	-0.890884889	-0.611935623	-0.56151046	-0.502007313	-0.994213154	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.808128146	-0.954109921	-0.964636616	-1.68	1
1392	-0.91043154	-0.146223757	-0.829877877	-0.967655522	-0.890884889	-0.611935623	-0.862858158	-0.269737862	-0.884628601	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.887095405	-0.677944809	-0.950317843	-2.03	1
1393	-0.638359191	0.026239056	-0.829526321	-0.967655522	-0.890884889	-0.611935623	-0.260162762	-0.734276764	-0.921156785	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.766391891	0.540741364	-0.861555548	-1.96	1
1394	-0.236992903	0.571176657	-0.044903826	-0.167105171	-0.890884889	-0.611935623	-0.862858158	-0.502007313	-0.300177652	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	-0.137142498	-0.313874552	0.117446479	-4.88	2
1395	0.00441699	0.807715705	0.080902956	-0.067036377	-0.890884889	-0.611935623	-0.56151046	-0.502007313	-0.190593099	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.035896687	-0.121808324	0.179540544	-5.21	1
1396	0.245826883	1.044.254.753	0.206709738	0.033032417	-0.890884889	-0.611935623	-0.260162762	-0.502007313	-0.081008546	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.208935873	-0.166648396	0.354759396	-6.27	1
1397	0.970056563	1.753.871.896	0.584130083	0.333238799	-0.890884889	-0.611935623	0.643880331	-0.502007313	0.247745113	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.72805343	-0.037072815	0.598721326	-8.56	1
1398	-1.039.711.461	-0.649638511	-0.92289454	-0.967655522	-0.54501801	0.004604482	-0.862858158	-0.502007313	-0.884628601	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.979617376	-0.23154476	-0.932164979	0.04	2
1399	-0.843093283	-0.367196262	-0.691018328	-0.767517934	-0.54501801	0.004604482	-0.862858158	-0.03746841	-0.665459495	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.765824123	0.142382986	-0.8830739	-1.11	1
1400	-0.843093283	-0.367196262	-0.691018328	-0.767517934	-0.54501801	0.004604482	-0.862858158	-0.269737862	-0.665459495	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.765824123	0.81866304	-0.863549899	-1.04	2
1401	-0.843093283	-0.367196262	-0.691018328	-0.767517934	-0.54501801	0.004604482	-0.862858158	-0.03746841	-0.665459495	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.765824123	0.34769566	-0.909672308	-1.17	1
1402	-0.744784194	-0.226554358	-0.575632667	-0.66744914	-0.54501801	0.004604482	-0.862858158	-0.269737862	-0.555874942	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.658927497	1.154.933.017	-0.810028516	-0.89	1
1403	-0.744784194	-0.17438834	-0.573874887	-0.66744914	-0.54501801	0.004604482	-0.862858158	-0.03746841	-0.555874942	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.658927497	1.103.671.745	-0.849562906	-0.85	2
1404	-115.214.981	-0.663901808	-1.062.733.424	-1.067.724.316	-0.54501801	-0.611935623	-0.862858158	-0.502007313	-1.030.741.338	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-1.097.140.138	-0.542045878	-0.933184548	0.58	2
1405	-0.955531632	-0.38145956	-0.830857211	-0.867586728	-0.54501801	-0.611935623	-0.862858158	-0.03746841	-0.811572232	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-0.883346885	-0.296964072	-0.889343483	-0.85	1
1406	-0.857222542	-0.240238436	-0.714919105	-0.767517934	-0.54501801	-0.611935623	-0.862858158	0.194801041	-0.701987679	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-0.776450259	-0.206927635	-0.865499463	-1.3	1
1407	-1.053.840.721	-0.522680684	-0.946795318	-0.967655522	-0.54501801	-0.611935623	-0.862858158	-0.502007313	-0.921156785	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-0.990243512	0.162288226	-0.872581545	0.52	1
1408	-0.955531632	-0.38145956	-0.830857211	-0.867586728	-0.54501801	-0.611935623	-0.862858158	-0.269737862	-0.811572232	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-0.883346885	0.1416629	-0.847443846	-0.19	1
1409	-0.857222542	-0.240238436	-0.714919105	-0.767517934	-0.54501801	-0.611935623	-0.862858158	-0.03746841	-0.701987679	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-0.776450259	0.129741762	-0.82143154	-0.8	2
1410	-0.548474392	0.00082577	-0.443573213	-0.467311552	-0.54501801	0.004604482	-0.56151046	0.659339943	-0.373234021	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.156947521	-0.482139791	0.151043057	-0.731766712	-2.3	1
1411	-0.604991431	-0.40383194	-0.524682176	-0.467311552	-0.54501801	0.004604482	-0.56151046	-0.269737862	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.156947521	-0.534749843	-0.05921377	-0.377390796	-0.89	2
1412	-0.941710749	-0.673277935	-0.913271954	-0.867586728	-0.199151131	-0.611935623	-0.56151046	-0.03746841	-0.811572232	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.904363589	-0.296964072	-0.884841392	-0.49	2
1413	-0.84340166	-0.532056811	-0.797333847	-0.767517934	-0.199151131	-0.611935623	-0.56151046	-0.269737862	-0.701987679	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.797466963	0.129741762	-0.81611695	-0.72	1
1414	-0.436652797	-0.697424177	-0.522140929	-0.367242759	0.492582628	-0.611935623	0.041184936	0.194801041	-0.300177652	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.167057995	-0.427902709	0.984372483	-0.630747375	-0.82	2
1415	-0.955840008	-0.754368763	-0.9156324	-0.867586728	-0.199151131	-0.611935623	-0.56151046	-0.502007313	-0.848100417	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.915945193	0.657409195	-0.796963845	-0.22	2
1416	-0.857530919	-0.613147638	-0.799694294	-0.767517934	-0.199151131	-0.611935623	-0.56151046	-0.269737862	-0.738515864	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.809048567	0.578740697	-0.768432104	-0.74	1
1417	-0.857530919	-0.613147638	-0.799694294	-0.767517934	-0.199151131	-0.611935623	-0.56151046	-0.502007313	-0.738515864	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.809048567	1.096.900.645	-0.717796216	-0.8	2
1418	-0.00162439	-0.140902172	-0.008065792	0.133101211	0.492582628	-0.611935623	0.041184936	0.194801041	0.101632375	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.167057995	0.05397037	0.35436351	-0.009868004	-2.35	1
1419	0.630022196	0.568823575	0.716114204	0.833582769	0.492582628	-0.611935623	0.041184936	0.891609395	0.722611509	0.963318361	-0.219691167	-0.291605354	0.355222488	0.167057995	0.749636703	-0.878364957	0.835005038	-5.64	1
1420	-0.730963311	-0.49589175	-0.645110153	-0.66744914	-0.199151131	-0.611935623	-0.56151046	0.427070492	-0.555874942	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.555919019	-0.674581494	-0.243670889	-0.893286936	-0.77	1
1421	-0.366272825	0.379997791	-0.143590583	-0.167105171	-0.54501801	-0.611935623	-0.862858158	-0.269737862	-0.300177652	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.751381169	-0.224301761	-0.715217102	-0.097864195	-3.96	1
1422	-1.053.840.721	-0.590956265	-0.96987245	-0.967655522	-0.54501801	-0.611935623	-0.862858158	-0.734276764	-0.921156785	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.751381169	-0.991147196	-0.815188047	-0.938850706	0.56	1
1423	-108.209.924	-0.41617657	-1.003.646.925	-0.967655522	-0.54501801	-0.611935623	-0.862858158	-0.734276764	-0.994213154	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.66857976	-1.019.967.713	0.51746077	-0.813251962	-0.82	1
1424	-0.296572683	-2.045.016.166	-0.569224305	-0.267173965	1.184.316.386	2.470.764.902	0.643880331	-0.502007313	-0.154064915	-0.813380379	0.503076578	0.375846901	-0.193385253	1.390.655.295	-0.374767867	-0.018791797	-0.52798363	0.64	1
1425	1.360.440.435	0.877185928	1.344.294.334	1.433.995.533	0.838449507	-0.611935623	0.342532633	-0.502007313	141.664.701	-0.813380379	2.671.379.811	3.045.655.923	2.001.045.709	0.33308435	144.732.039	-1.488.266.095	13.056.466	-4.28	1
1426	0.756898181	0.510141329	0.845356189	0.933651563	0.146715749	0.004604482	-0.260162762	-0.502007313	0.941780614	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	0.204540986	0.898255717	-1.308.695.114	0.794634103	-4.71	2
1427	1.191.421.972	-0.193140593	1.036.291.208	1.333.926.739	0.838449507	1.237.684.692	0.643880331	-0.269737862	1.343.590.642	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	1.061.355.572	1.224.563.651	-1.129.447.689	1.269.427.507	-3.77	1
1428	-0.591170548	-0.484669359	-0.592876483	-0.467311552	-0.199151131	0.621144587	-0.260162762	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.271459772	-0.561129254	0.361893554	-0.317049177	-1.41	1
1429	-0.461890626	-0.141553795	-0.508874717	-0.467311552	-0.54501801	0.004604482	-0.260162762	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.156947521	-0.468607284	0.553207461	-0.261096417	-1.89	1
1430	-0.556891674	-0.343412033	-0.663365947	-0.767517934	-0.54501801	-0.611935623	-0.260162762	0.194801041	-0.665459495	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.751381169	-0.628176298	-0.349328706	-0.900668125	-1.12	1
1431	-0.267935701	0.032139862	0.050890129	-0.067036377	-0.199151131	0.621144587	-0.56151046	-0.502007313	-0.190593099	0.963318361	-0.219691167	-0.291605354	0.355222488	0.155198969	-0.130819078	-0.414528941	0.057873023	-2.7	2
1432	-1.004.815.835	-0.48785507	-0.864807465	-0.867586728	-0.54501801	-0.611935623	-0.862858158	-0.734276764	-0.921156785	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.673873968	-0.912057086	0.357542912	-0.769238187	0.76	1
1433	0.566896084	-0.203276947	0.544040158	0.733513975	0.838449507	-0.611935623	0.342532633	-0.03746841	0.686083324	0.074968991	1.225.844.322	1.043.299.157	0.903830228	0.235670927	0.651402523	-1.190.906.039	0.582183221	-2.23	1
1434	0.321582422	0.868606228	0.626105855	0.533376387	-0.199151131	0.621144587	-0.56151046	0.194801041	0.430386034	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.090028735	0.480650901	-0.254599954	0.520043551	-4.35	1
1435	0.784589006	-0.121896509	0.872179902	1.033.720.357	0.146715749	-0.611935623	0.041184936	-0.734276764	0.868724246	0.074968991	2.671.379.811	3.713.108.179	309.826.119	-0.252666797	0.94080039	-1.494.404.099	1.390.546.568	-3.32	1
1436	0.152634044	-0.565723985	0.149139952	0.333238799	0.146715749	0.621144587	0.342532633	-0.03746841	0.211216928	0.074968991	0.503076578	0.375846901	0.355222488	0.647136755	0.216939478	-0.204957005	0.423485502	-2.18	1
1437	-0.401140417	-0.398691361	-0.219790319	-0.267173965	-0.199151131	0.621144587	-0.56151046	-0.03746841	-0.263649468	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.26367875	-0.297639981	-0.012135077	-0.358984072	-0.42	1
1438	-0.773631432	-1.218.541.348	-0.778264452	-0.66744914	-0.199151131	0.621144587	0.041184936	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.444898019	-0.785380624	0.999922763	-0.292355167	-1.48	1
1439	-0.794376773	-0.526662823	-0.65683203	-0.66744914	-0.199151131	0.621144587	-0.56151046	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.032585117	-0.728752872	0.399064665	-0.569179865	-0.8	1
1440	-0.611887855	-0.283897158	-0.450255285	-0.467311552	-0.54501801	0.004604482	-0.56151046	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.330597536	-0.522059369	-0.05921377	-0.371796887	-1.33	1
1441	0.538945942	-0.335990774	0.597333518	0.733513975	0.492582628	0.004604482	0.041184936	-0.502007313	0.64955514	0.074968991	0.503076578	2.378.203.668	2.001.045.709	-0.058898793	0.653667548	-1.149.055.479	0.934929008	-1.52	1
1442	-0.93478629	-0.635737226	-0.917154135	-0.867586728	-0.199151131	-0.611935623	-0.260162762	-0.269737862	-0.811572232	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.033274827	-0.920940421	0.1416629	-0.833865323	-0.8	2
1443	-0.696376061	-0.302070192	-0.642337883	-0.567380346	-0.199151131	-0.611935623	-0.260162762	-0.502007313	-0.628931311	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.033274827	-0.652860594	0.333817005	-0.400889005	-1.8	2
1444	0.664805685	0.022220716	0.47778443	0.433307593	1.184.316.386	-0.611935623	1.246.575.727	0.427070492	0.39385785	0.074968991	-0.219691167	0.375846901	0.355222488	0.235670927	0.483139673	-0.729592252	0.513745548	-4.1	1
1445	0.645139662	154.404.938	0.779155706	0.233170005	0.492582628	-0.611935623	0.342532633	2.052.956.651	0.430386034	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	0.482016026	163.558.465	-0.481761414	-5.14	1
1446	1.192.213.939	0.741648402	1.254.833.408	1.333.926.739	0.146715749	1.237.684.692	0.041184936	0.194801041	1.453.175.195	-0.813380379	2.671.379.811	2.378.203.668	1.452.437.969	0.699867065	1.321.670.551	-1.481.476.735	0.711893066	-3.95	1
1447	-0.058940404	-0.007862533	-0.256899553	-0.367242759	-0.54501801	0.004604482	-0.260162762	-0.502007313	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.330597536	-0.289159521	0.020177732	-0.267357264	-3.08	1
1448	-0.485803837	-0.233541202	-0.451309953	-0.367242759	-0.54501801	0.004604482	-0.260162762	-0.502007313	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.330597536	-0.452100888	0.020177732	-0.267357264	-1.78	1

1449	0.270461976	-0.065024326	-0.130916993	-0.367242759	-0.54501801	0.004604482	-0.260162762	-0.502007313	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.330597536	-0.198564595	0.020177732	-0.267357264	-3.25	1
1450	-0.401448794	-0.280783849	-0.285727135	-0.267173965	-0.199151131	0.004604482	-0.260162762	-0.269737862	-0.300177652	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.135135385	-0.329282821	-0.014556744	-0.236416077	-1.3	2
1451	0.848030503	0.382314672	109.461.935	1.033.720.357	0.492582628	0.004604482	0.342532633	1.588.417.748	1.014.836.983	0.963318361	-0.219691167	-0.291605354	0.355222488	0.206446901	0.990447943	-0.733816497	0.930847264	-3.7	1
1452	-0.000979602	-0.125589038	0.109873672	0.133101211	-0.54501801	0.004604482	-0.260162762	-0.502007313	0.174688744	-0.813380379	1.948.612.067	1.710.751.412	0.903830228	-0.261984603	0.111090307	-1.361.132.566	-0.135877406	-3.01	1
1453	0.826948751	0.591557968	0.922753726	1.033.720.357	0.146715749	-0.611935623	-0.260162762	-0.502007313	0.978308799	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	-0.028404156	0.993707446	-137.873.374	0.931352068	-4.79	2
1454	1.040.373.459	0.015878255	-0.010556816	-0.367242759	-0.199151131	0.004604482	0.041184936	-0.734276764	-0.446290389	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.014639216	0.009223597	0.803227152	-0.123598444	-3.61	1
1455	1.555.677.927	-0.957023429	1.277.270.206	1.734.201.915	2.221.917.023	3.087.305.008	1.849.271.123	-0.269737862	1.635.816.116	0.074968991	-0.219691167	1.710.751.412	1.452.437.969	2.899.292.741	1.536.228.534	-0.860491249	2.231.121.574	-3.12	1
1456	0.11806782	0.172854168	0.370258554	0.333238799	-0.54501801	-0.611935623	-0.56151046	-0.03746841	0.211216928	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.516741881	0.284029976	-0.343395057	0.320941215	-2.98	1
1457	-0.008212437	0.208765821	0.165801189	0.133101211	0.146715749	0.004604482	-0.260162762	0.659339943	0.13816056	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.161128482	0.094777298	-0.57600134	-0.088604151	-3.95	1
1458	1.135.696.901	0.776908431	1.198.674.868	1.333.926.739	0.492582628	-0.611935623	0.041184936	-0.269737862	1.307.062.457	-0.813380379	1.225.844.322	2.378.203.668	1.452.437.969	0.33308435	1.282.617.779	-1.190.421.616	1.313.375.938	-5.35	2
1459	-0.465191659	-1.327.796.757	-0.603508537	-0.367242759	0.146715749	1.237.684.692	0.643880331	-0.502007313	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	1.234.793.818	-0.528075704	0.895697345	0.024671806	-1.93	1
1460	-0.391783988	-0.490895976	-0.465515322	-0.367242759	0.492582628	-0.611935623	0.342532633	-0.734276764	-0.482818573	0.963318361	-0.219691167	-0.291605354	0.355222488	0.14503409	-0.397405615	0.138648904	0.106580166	-0.87	1
1461	-0.310141257	-0.466098111	-0.295487833	-0.267173965	0.838449507	-0.611935623	0.342532633	-0.502007313	-0.373234021	0.963318361	-0.219691167	-0.291605354	0.355222488	0.14503409	-0.293534639	0.090118073	0.131863074	-1.76	1
1462	-0.70330052	-0.443291316	-0.632346163	-0.567380346	-0.199151131	0.004604482	-0.56151046	-0.502007313	-0.628931311	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.156947521	-0.641646469	0.546858956	-0.371931008	-0.86	1
1463	-0.598066972	-0.701623524	-0.553738269	-0.467311552	-0.199151131	0.621144587	-0.260162762	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.394073624	-0.551965167	0.553207461	-0.261096417	-1.76	1
1464	-0.611887855	-0.346742549	-0.447412705	-0.467311552	-0.199151131	0.004604482	-0.56151046	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.034333669	-0.525585755	0.446968039	-0.267665108	-1.28	1
1465	0.009266914	0.242396793	0.107822092	-0.267173965	-0.199151131	-0.611935623	0.041184936	0.194801041	-0.190593099	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.878230388	-0.030371373	13.378.835	-0.51589101	-3.39	1
1466	-0.029903935	-0.639465956	-0.23262462	0.033032417	0.146715749	1.237.684.692	0.643880331	0.427070492	0.101632375	-0.813380379	-0.219691167	-0.291605354	-0.741992993	1.422.844.078	-0.074426577	3.405.909.025	-0.126321021	-0.29	1
1467	0.815826164	0.939415897	0.311322723	0.133101211	-0.890884889	-0.611935623	0.643880331	-0.734276764	0.13816056	-0.813380379	0.503076578	1.710.751.412	0.903830228	-0.94684332	0.545639492	-0.508914007	0.245298515	-5.64	2
1468	0.222691623	-1.680.578.058	0.116299611	0.333238799	1.876.050.144	0.621144587	1.246.575.727	-0.03746841	0.320801481	0.963318361	-0.219691167	-0.291605354	0.355222488	1.219.122.963	0.174490373	0.020390482	0.965796757	-0.17	1
1469	-0.155854789	-0.30087555	-0.220792253	-0.067036377	-0.199151131	0.621144587	0.041184936	-0.269737862	-0.007952178	-0.813380379	0.503076578	0.375846901	-0.193385253	0.632948279	-0.134830772	0.462033248	-0.193106266	-1.42	1
1470	-0.00849278	-0.290702995	0.117733457	0.133101211	0.146715749	0.004604482	0.342532633	-0.03746841	0.101632375	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.19522318	0.063459466	0.03227501	0.105397049	-2.34	2
1471	0.601959916	0.242939812	0.458609568	0.333238799	0.838449507	-0.611935623	0.945228029	0.891609395	0.39385785	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.001031639	0.409675551	0.113570723	0.240463016	-2.3	1
1472	-0.056928947	0.597712183	0.130171001	0.033032417	-0.199151131	-0.611935623	-0.56151046	1.588.417.748	0.174688744	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	0.057706047	0.299383846	-0.580135423	-4.69	1
1473	0.504099375	0.266217224	0.748276545	0.733513975	0.146715749	0.004604482	-0.260162762	-0.03746841	0.613026956	0.963318361	1.948.612.067	1.710.751.412	2.001.045.709	-0.176853742	0.669723184	-1.344.966.878	0.957988765	-3.07	2
1474	0.47640855	0.553836253	0.604289302	0.633445181	-0.199151131	0.004604482	-0.56151046	-0.734276764	0.686083324	-0.813380379	2.671.379.811	2.378.203.668	1.452.437.969	-0.156947521	0.626152989	-1.385.511.364	0.300936927	-4.4	1
1475	1.698.778.731	-0.783510779	1.287.289.549	1.734.201.915	2.221.917.023	3.087.305.008	2.150.618.821	-0.269737862	1.635.816.116	0.074968991	-0.219691167	1.710.751.412	1.452.437.969	2.899.292.741	1.602.371.093	-0.893428975	22.538.159	-2.52	1
1476	1.338.314.407	0.163840054	1.185.704.967	1.534.064.327	1.876.050.144	-0.611935623	1.246.575.727	0.194801041	141.664.701	0.963318361	-0.219691167	1.710.751.412	2.001.045.709	0.656031025	1.390.011.686	-1.324.499.954	1.913.084.447	-3.14	1
1477	-0.815122115	-0.065241534	-0.573945199	-0.66744914	-0.890884889	-0.611935623	-1.164.205.856	-0.502007313	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.685158137	0.142723123	-0.585972891	-2.77	2
1478	0.04080544	0.983581437	0.509349126	0.333238799	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	0.065104191	2.740.017.101	-0.219691167	-0.291605354	1.452.437.969	-0.94684332	0.243836733	-0.669680395	1.055.471.107	-8.6	1
1479	-0.481129127	0.044774102	-0.816945643	-0.967655522	-0.890884889	-0.611935623	0.041184936	-0.734276764	-0.884628601	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.688667727	0.387883531	-0.927942207	-2.31	1
1480	0.195309174	0.913857806	-0.180403505	-0.367242759	-0.890884889	-0.611935623	0.342532633	-0.734276764	-0.373234021	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.033755462	0.940343056	-0.233892022	-5.65	1
1481	-0.236992903	0.571176657	-0.044903826	-0.167105171	-0.890884889	-0.611935623	-0.862858158	-0.502007313	-0.300177652	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	-0.137142498	-0.379542838	0.069199014	-5.2	1
1482	0.245826883	1.044.254.753	0.206709738	0.033032417	-0.890884889	-0.611935623	-0.260162762	-0.502007313	-0.081008546	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.208935873	-0.109205735	0.394615997	-6.02	2
1483	0.487236777	1.280.793.801	0.33251652	0.133101211	-0.890884889	-0.611935623	0.041184936	-0.502007313	0.028576007	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.381975058	-0.005433	0.457019344	-6.8	1
1484	-0.843093283	-0.419362281	-0.692776107	-0.767517934	-0.54501801	0.004604482	-0.862858158	-0.269737862	-0.665459495	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.765824123	0.542034653	-0.865499463	-0.39	1
1485	-0.84340166	-0.532056811	-0.797333847	-0.767517934	-0.199151131	-0.611935623	-0.56151046	-0.269737862	-0.701987679	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.797466963	0.360857087	-0.81611695	-0.66	2
1486	-0.801301232	-0.265724124	-0.644909264	-0.66744914	-0.54501801	-0.611935623	-0.862858158	-0.502007313	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.751381169	-0.706174841	0.142723123	-0.573810291	-1.85	2
1487	0.756898181	0.45855453	0.844150855	0.933651563	0.146715749	0.004604482	-0.260162762	-0.269737862	0.941780614	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	0.204540986	0.898255717	-1.374.652.193	0.714109782	-3.75	1
1488	-0.591170548	-0.484669359	-0.592876483	-0.467311552	-0.199151131	0.621144587	-0.260162762	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.271459772	-0.561129254	0.553207461	-0.268801712	-1.82	2
1489	-0.461890626	-0.141553795	-0.508874717	-0.467311552	-0.54501801	0.004604482	-0.260162762	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.156947521	-0.468607284	0.361893554	-0.309343882	-3.31	2
1490	-0.849989707	-0.327193868	-0.63982677	-0.767517934	-0.54501801	0.004604482	-0.862858158	0.194801041	-0.665459495	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.395822175	-0.756660035	-0.349328706	-0.916078715	-1.1	1
1491	-0.653371529	-0.044751619	-0.407950558	-0.567380346	-0.54501801	0.004604482	-0.862858158	0.659339943	-0.446290389	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.395822175	-0.542866783	-0.160485137	-0.875603138	-2.75	1
1492	-0.387936288	-0.411325601	-0.467581968	-0.267173965	0.146715749	0.004604482	0.342532633	-0.269737862	-0.336705836	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.756620972	-0.395555673	0.365410658	-0.187969367	-2.8	2
1493	0.383832464	0.133981253	0.203103779	0.233170005	1.184.316.386	-0.611935623	1.246.575.727	0.427070492	0.247745113	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.553111625	0.217357909	0.344301057	0.334420257	-4.04	1
1494	-0.370477961	-0.04735811	-0.324448504	-0.367242759	-0.54501801	0.004604482	-0.260162762	-0.502007313	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.330597536	-0.349020184	0.020177732	-0.267357264	-2.84	1
1495	-0.296523623	-0.317129917	-0.283155755	-0.167105171	0.146715749	0.004604482	0.342532633	-0.269737862	-0.227121283	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.582970957	-0.275968574	0.113769495	-0.053536224	-2.69	1
1496	0.334681423	0.669064871	0.278176026	0.033032417	-0.199151131	-0.611935623	0.342532633	0.194801041	0.13816056	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.516741881	0.252380624	1.994.091.045	-0.328114416	-4.08	1
1497	0.276468313	0.573855551	-0.09987712	-0.167105171	-0.199151131	0.004604482	0.643880331	-0.502007313	-0.154064915	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.322973877	0.066499116	1.078.782.272	-0.081271236	-4.02	1
1498	-0.633242941	-1.504.350.314	-0.734591168	-0.567380346	0.146715749	1.237.684.692	0.342532633	-0.03746841	-0.519346758	-0.813380379	-0.219691167	-0.291605354	-0.741992993	1.306.583.276	-0.660472612	1.166.640.473	-0.607257327	-0.74	2
1499	-0.478115446	0.079092899	-0.309524957	-0.367242759	-0.54501801	-0.611935623	-0.862858158	-0.502007313	-0.300177652	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.585354814	-0.365756281	-0.272285364	-0.564807028	-2.49	1
1500	0.518228635	0.347308051	0.750636991	0.733513975	0.146715749	0.004604482	-0.260162762	-0.03746841	0.64955514	0.963318361	1.948.612.067	1.710.751.412	2.001.045.709	-0.176853742	0.681304787	-1.361.765.102	0.8814588	-2.63	1
1501	0.630638949	0.526142287	0.798950813	0.833582769	-0.199151131	0.004604482	-0.56151046	-0.734276764	0.795667877	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	-0.156947521	0.811557034	-1.302.519.691	0.770154982	-5.66	1
1502	1.302.823.053	0.208657217	1.207.780.165	1.534.064.327	1.876.050.144	0.621144587	1.246.575.727	0.194801041	1.307.062.457	2.740.017.101	-0.219691167	-0.291605354	1.452.437.969	1.746.426.057	1.295.705.924	-0.80744757	2.646.047.698	-3.66	2
1503	-0.401448794	-0.356118676	-0.297951235	-0.267173965	0.146715749	0.004604482	-0.260162762	-0.269737862	-0.300177652	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.161128482	-0.332809207	0.042495467	-0.236416077	-2.32	1
1504	-0.296551657	-0.405135185	-0.350699683	-0.167105171	0.146715749	0.004604482	0.041184936	-0.269737862	-0.227121283	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.400003137	-0.272082215	0.413229323	-0.021439598	-1.72	1
1505	0.208863731	-0.238790385	0.292850972	0.433307593	-0.199151131	0.621144587	0.041184936	-0.269737862	0.247745113	0.963318361	0.503076578	0.375846901	0.903830228	0.285648249	0.319813204	-0.626481428	0.650908186	-3.99	1
1506	0.123625609	-0.049197134	-0.169912073	-0.167105171	-0.199151131	-0.611935623	0.643880331	-0.269737862	-0.154064915	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.155253374	-0.064000938	0.575181783	0.09669154	-3.51	2
1507	0.231368221	0.246523737	-0.102287789	-0.067036377	-0.199151131	0.004604482	0.643880331	-0.03746841	-0.081008546	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.03851463	0.070247636	0.240063129	-0.025295413	-3.23	1
1508	-0.204830616	-0.073676428	-0.066075023	-0.067036377	0.146715749	0.004604482	-0.260162762	0.194801041	-0.081008546	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.161128482	-0.119015954	-0.306343239	-0.162859483	-3.06	1
1509	-0.162554974	0.530558841	0.040516719	-0.067036377	-0.199151131	0.004604482	-0.56151046	-0.734276764	-0.227121283	0.963318361	-0.219691167	0.375846901	0.903830228	-0.692086042	-0.063852987	-0.761986588	0.114296624	-5.59	1
1510	-0.380983795	-151.915.663	-0.464942788	-0.267173965	0.146715749	1.854.224.797	0.945228029	-0.734276764	-0.336705836	0.963318361	-0.219691167	-0.291605354	0.355222488	1.475.150.851	-0.461715269	0.592306525	0.648477893	-3.62	1
1511	-0.155651541	-0.762224437	-0.17019834	-0.167105171	0.146715749	0.621144587	0.342532633	-0.269737862	-0.154064915	-0.813380379	0.503076578	0.375846901	-0.193385253	0.285648249	-0.149271556	0.366963961	-0.284088381	-2.32	1
1512	0.307298974	0.765794643	0.289036591	0.233170005	0.492582628	-0.611935623	0.342532633	2.052.956.651	0.430386034	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.001031639	0.246649221	163.558.465	-0.490837846	-2.85	1
1513	-0.233390503	-1.870.562.283	-0.400939529	-0.167105171	0.492582628	1.854.224.797	0.945228029	0.427070492	-0.11753673	-0.813380379	-0.219691167	-0.291605354	-0.741992993	1.626.565.193	-0.280054205	1.017.647.402	-0.377486211	-0.53	1
1514	-0.345240132	-0.654308474	-0.351071328	-0.267173965	-0.199151131	0.621144587	0.041184936	0.194801041	-0.190593099	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.459298264	-0.319041024	1.923.679.627	-0.480366917	-0.69	2
1515	-0.218805687	-0.760378172	-0.262077469	-0.267173965	0.146715749	0.621144587	0.342532633	0.427070492	-0.190593099	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.459298264	-0.255924115	1.464.717.638	-0.500245887	0.03	1
1516	0.110834985	-0.528653892	-0.079969013	-0.067036377	0.838449507	0.621144587	0.945228029	0.427070492	-0.007952178	-0.813380379	-0.219691167	-0.291605354	-0.741992993	0.82841043	-0.008763145	1.837.560.295	-0.309492947	-1.19	1
1517	-0.029567524	-0.523404709	-0.115270246	0.033032417	0.492582628	0.621144587	0.643880331	0.659339943	0.13816056	-0.813380379	-0.219691167	-0.291605354	-0.741992993	1.269.100.284	-0.034746851	1.848.751.051	-0.388038197	-1.74	1

1518	-0.310624848	-1.127.451.732	-0.330457598	-0.167105171	0.492582628	0.621144587	0.643880331	-0.734276764	-0.263649468	0.963318361	-0.219691167	-0.291605354	0.355222488	0.990836724	-0.323766016	0.429766639	0.608509409	-2.15	2
1519	-0.345527483	0.115402765	-0.20274237	-0.167105171	-0.199151131	-0.611935623	-0.260162762	-0.502007313	-0.300177652	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.033274827	-0.27193122	0.141302826	0.305002642	-3.71	2
1520	-0.044012168	0.042927838	0.003309552	0.133101211	0.492582628	-0.611935623	0.041184936	-0.502007313	-0.007952178	1.851.667.731	-0.219691167	-0.291605354	0.903830228	0.166634458	-0.015513954	-0.159261634	1.033.888.334	-3.52	1
1521	-0.071646926	-0.53947807	-0.119172516	0.033032417	0.146715749	0.621144587	0.342532633	0.194801041	0.065104191	-0.813380379	0.503076578	0.375846901	-0.193385253	0.647136755	-0.039558745	0.319728926	-0.223324449	-2.53	1
1522	-0.071646926	-0.53947807	-0.119172516	0.033032417	0.146715749	0.621144587	0.342532633	0.194801041	0.065104191	-0.813380379	0.503076578	0.375846901	-0.193385253	0.647136755	-0.039558745	0.218528946	-0.200948813	-1.67	1
1523	-0.345527483	0.115402765	-0.20274237	-0.167105171	-0.199151131	-0.611935623	-0.260162762	-0.502007313	-0.300177652	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.033274827	-0.27193122	-0.0441264	0.319686653	-3.82	1
1524	-0.169984049	-0.72475613	-0.178153548	-0.067036377	0.492582628	0.621144587	0.041184936	0.427070492	-0.044480362	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.300895567	-0.13857061	-0.193186356	-0.213432148	-0.73	2
1525	0.13847675	-0.03903182	0.157306093	0.333238799	0.146715749	0.621144587	0.041184936	-0.03746841	0.174688744	0.963318361	-0.219691167	-0.291605354	0.355222488	0.632948279	0.204428158	-0.33356334	0.695204806	-2.73	2
1526	0.005300069	-0.090111801	-0.007043769	0.133101211	0.492582628	0.004604482	0.342532633	-0.03746841	0.101632375	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.421815273	0.040281433	-0.190890632	0.05926097	-2.67	2
1527	0.642350255	0.822956437	0.439650662	0.533376387	0.492582628	-0.611935623	0.945228029	0.194801041	0.430386034	0.963318361	-0.219691167	-0.291605354	0.355222488	0.357649475	0.560643954	-0.512848654	0.866849944	-5.91	1
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1529	-0.303139705	-0.322198093	-0.164922491	-0.167105171	0.146715749	-0.611935623	-0.260162762	-0.269737862	-0.190593099	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.32127973	-0.218859808	0.192417921	-0.169468087	-3.05	1
1530	-0.113417951	0.171695728	0.114519231	0.033032417	-0.54501801	0.004604482	-0.260162762	-0.269737862	0.028576007	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.261984603	0.002261211	-0.04446629	-0.064072407	-3.5	1
1531	0.083200227	0.055938572	0.342955218	0.233170005	-0.199151131	0.004604482	-0.260162762	0.427070492	0.247745113	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.261984603	0.216054464	-0.051504381	0.035438637	-1.78	2
1532	0.110841993	-0.390292668	0.10858547	0.233170005	0.146715749	0.621144587	0.342532633	0.427070492	0.247745113	-0.813380379	0.503076578	0.375846901	-0.193385253	0.647136755	0.162652904	0.50293881	-0.022727947	-2.36	1
1533	0.194993788	0.141540077	0.22381042	0.333238799	0.492582628	-0.611935623	0.041184936	0.659339943	0.320801481	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.167057995	0.267763623	0.16045694	0.06187351	-3.82	1
1534	0.461970913	0.054584644	0.538488086	0.633445181	0.146715749	1.237.684.692	-0.260162762	-0.734276764	0.613026956	0.074968991	1.225.844.322	1.710.751.412	1.452.437.969	0.338378558	0.57468219	-1.292.463.066	0.61167634	-4	1
1535	0.096712734	-0.444522159	0.057516957	0.233170005	0.146715749	0.004604482	0.342532633	-0.502007313	0.211216928	-0.813380379	0.503076578	1.043.299.157	0.355222488	0.46099241	0.149286763	-0.409908497	0.214186508	-2.91	1
1536	0.005475283	-0.275317459	-0.012585796	0.033032417	0.146715749	0.621144587	0.342532633	-0.502007313	-0.044480362	0.963318361	-0.219691167	-0.291605354	0.355222488	0.755562131	-0.065096526	0.258780252	0.751575079	-2.54	1
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1538	0.026500967	-0.289291146	-0.044286092	0.033032417	0.146715749	0.621144587	0.342532633	0.427070492	-0.007952178	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.632948279	-0.000534761	0.03822076	-0.003323807	-1.23	2
1539	0.329677311	0.387165641	0.013097872	0.033032417	-0.199151131	0.004604482	0.643880331	-0.03746841	0.028576007	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.03851463	0.177144262	0.297005844	0.116202018	-3.55	1
1540	1.192.213.939	0.741648402	1.254.833.408	1.333.926.739	0.146715749	1.237.684.692	0.041184936	0.194801041	1.453.175.195	-0.813380379	2.671.379.811	2.378.203.668	1.452.437.969	0.699867065	1.321.670.551	-150.294.239	0.711893066	-4.82	1
1541	0.188405741	-0.100067148	0.409494701	0.333238799	0.146715749	0.621144587	-0.260162762	1.123.878.846	0.357329666	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.068216599	0.311141469	-0.353597406	0.034620589	-2.88	2
1542	1.133.895.701	0.555718718	0.946978438	1.033.720.357	0.838449507	0.004604482	0.945228029	0.194801041	0.978308799	0.074968991	-0.219691167	0.375846901	0.355222488	0.421815273	1.094.580.454	0.023546227	1.209.382.378	-5.68	1
1543	0.948407118	0.542331492	0.930897267	1.033.720.357	0.492582628	0.004604482	0.643880331	0.194801041	0.868724246	1.851.667.731	-0.219691167	-0.291605354	0.903830228	0.504404914	0.973926287	-0.624516834	1.740.711.837	-4.77	1
1544	-0.169984049	-0.72417691	-0.177601103	-0.067036377	0.492582628	0.621144587	0.041184936	0.659339943	-0.044480362	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.300895567	-0.13857061	-0.385142172	-0.372230911	-1.23	1
1545	0.426682807	-1.021.932.292	-0.034010616	0.133101211	1.184.316.386	0.621144587	1.547.923.425	-0.502007313	0.174688744	0.074968991	-0.219691167	0.375846901	0.355222488	1.478.539.144	0.096122618	-0.011419438	0.77221512	-1.65	1
1546	0.124992278	-1.172.058.927	-0.063727132	-0.067036377	1.184.316.386	1.854.224.797	1.246.575.727	0.891609395	0.028576007	-0.813380379	-0.219691167	-0.291605354	-0.741992993	1.734.990.568	-0.036212468	0.956504882	-0.444380185	-3.31	1
1547	-0.359649734	-0.846095521	-0.451297397	-0.267173965	0.838449507	0.004604482	0.643880331	-0.03746841	-0.263649468	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.772503596	-0.375282212	0.399580755	-0.15847473	-1.21	2
1548	-0.047544483	-0.23607529	-0.023021983	-0.067036377	0.838449507	0.621144587	0.643880331	0.194801041	-0.044480362	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.381579294	-0.044330784	0.142557491	-0.137344589	-3.76	1
1549	0.019506422	-0.168053119	0.170157971	0.233170005	0.492582628	0.621144587	0.342532633	-0.03746841	0.065104191	1.851.667.731	-0.219691167	-0.291605354	0.903830228	0.461204179	0.117485515	-1.132.849.409	0.743986773	-3.6	1
1550	0.27166044	-0.355105041	0.208123495	0.433307593	0.838449507	0.004604482	0.643880331	-0.269737862	0.320801481	0.963318361	-0.219691167	0.375846901	0.903830228	0.699867065	0.27515187	-0.372833497	1.107.242.334	-4.38	1
1551	0.910539861	0.128000804	0.90983907	1.133.789.151	0.492582628	0.004604482	0.643880331	0.659339943	0.978308799	0.963318361	0.503076578	0.375846901	0.903830228	0.656454561	1.013.593.723	-0.956730724	1.159.861.774	-4.68	1
1552	0.251223476	0.393066447	0.423669936	0.433307593	0.146715749	-0.611935623	-0.260162762	0.194801041	0.357329666	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.194430512	0.365008666	-0.494134658	0.66756473	-5.24	1
1553	0.019786765	0.677622849	0.308118542	0.233170005	0.146715749	0.004604482	-0.260162762	-0.269737862	0.101632375	0.963318361	-0.219691167	-0.291605354	0.355222488	0.127669089	0.168742277	-0.585683451	0.582481488	-4.05	2
1554	0.436452742	0.262307488	0.580915858	0.533376387	-0.199151131	-0.611935623	0.041184936	-0.502007313	0.357329666	0.963318361	-0.219691167	0.375846901	0.903830228	-0.254996249	0.522391593	-0.627597861	0.962123779	-3.71	1
1555	0.653507885	0.220277822	0.627976635	0.733513975	0.492582628	0.004604482	0.945228029	-0.269737862	0.539970587	0.963318361	-0.219691167	0.375846901	0.903830228	0.84471659	0.658059376	-0.622946508	1.304.896.212	-4.41	2
1556	0.758867586	-0.194950656	0.430480076	0.633445181	0.838449507	1.237.684.692	1.547.923.425	0.427070492	0.576498771	0.963318361	-0.219691167	-0.291605354	0.355222488	1.650.071.476	0.570422164	-0.401586202	1.175.580.427	-3.83	1
1557	-0.127855587	-0.469863042	-0.090169156	0.033032417	-0.199151131	0.621144587	0.041184936	-0.269737862	-0.044480362	0.074968991	0.503076578	0.375846901	0.355222488	0.285648249	-0.05516325	-0.321768125	0.14382097	-2.64	1
1558	-0.127855587	-0.473121156	-0.026675653	0.033032417	-0.199151131	1.237.684.692	0.041184936	-0.03746841	-0.044480362	0.963318361	-0.219691167	-0.291605354	0.355222488	0.728455787	-0.071291942	-0.507948692	0.389225037	-1.77	1
1559	0.026662164	-0.450422964	-0.004992189	0.133101211	0.146715749	0.621144587	0.342532633	0.194801041	0.174688744	-0.813380379	0.503076578	0.375846901	-0.193385253	0.647136755	0.067337881	0.416435786	-0.127811981	-2.39	1
1560	-0.169934989	0.49899134	0.001220305	0.033032417	0.146715749	0.004604482	-0.260162762	-0.269737862	-0.11753673	0.963318361	-0.219691167	-0.291605354	0.355222488	0.005055237	-0.054215063	-0.726074206	0.27387764	-3.95	2
1561	-0.057805017	0.392414824	0.043025322	0.133101211	0.492582628	0.621144587	0.041184936	-0.269737862	-0.007952178	0.963318361	-0.219691167	-0.291605354	0.355222488	0.43346253	0.026302152	-0.612004536	0.444139411	-3.08	1
1562	0.89656479	-0.627048923	0.726196324	0.933651563	0.838449507	0.621144587	1.246.575.727	0.427070492	0.868724246	0.074968991	1.225.844.322	1.043.299.157	0.903830228	1.084.861.854	0.872255492	-1.451.512.349	0.915770328	-2.81	1
1563	120.004.951	0.835301067	-0.036014484	-0.467311552	-0.890884889	-0.611935623	0.041184936	-0.734276764	-0.482818573	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	0.032648004	0.718909817	-0.405469798	-6.98	1
1564	-0.361303755	0.079780723	-0.931025525	-0.66744914	-0.890884889	-0.611935623	0.643880331	-0.502007313	-0.555874942	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.648015549	1.662.973.551	-0.793967711	-2.74	1
1565	-0.478115446	0.113990916	-0.33019142	-0.367242759	-0.54501801	-0.611935623	-0.862858158	-0.734276764	-0.300177652	-0.813380379	1.948.612.067	1.710.751.412	0.903830228	-0.751381169	-0.366659965	-0.635237573	-0.531229767	-1.74	1
1566	-1.165.970.693	-0.306559148	-0.958949106	-1.067.724.316	-0.890884889	-0.611935623	-1.164.205.856	-0.502007313	-1.030.741.338	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-1.071.716.194	-0.542045878	-0.94226098	-1.94	2
1567	-0.576116158	0.540767597	-0.26332047	-0.467311552	-0.890884889	-0.611935623	-1.164.205.856	0.891609395	-0.373234021	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.430336437	-0.021411364	-0.801186617	-5.51	1
1568	-113.802.055	-0.738693616	-1.037.074.867	-1.067.724.316	-0.54501801	0.004604482	-0.862858158	-0.502007313	-0.994213154	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-1.086.514.002	-0.954109921	-0.966748002	0.62	1
1569	1.935.696.137	2.700.028.088	108.735.721	0.733513975	-0.890884889	-0.611935623	1.849.271.123	-0.502007313	0.686083324	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	1.420.210.172	0.391975237	0.892428775	-11.6	2
1570	0.72864667	1.517.332.849	0.458323301	0.233170005	-0.890884889	-0.611935623	0.342532633	-0.502007313	0.13816056	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.555014245	-0.044336061	0.63340037	-7.21	2
1571	0.72864667	1.517.332.849	0.458323301	0.233170005	-0.890884889	-0.611935623	0.342532633	-0.502007313	0.13816056	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.555014245	0.001275445	0.63340037	-7.43	1
1572	0.066029252	0.570742242	-0.264405271	-0.367242759	-0.54501801	0.004604482	0.342532633	-0.734276764	0.373234021	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	-0.126277432	0.940343056	-0.223796021	-3.1	1
1573	0.245826883	1.044.254.753	0.206709738	0.033032417	-0.890884889	-0.611935623	-0.260162762	-0.502007313	-0.081008546	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.208935873	-0.229017117	0.346368532	-6.29	1
1574	0.245826883	1.044.254.753	0.206709738	0.033032417	-0.890884889	-0.611935623	-0.260162762	-0.502007313	-0.081008546	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.208935873	-0.242987295	0.346368532	-6.27	2
1575	-0.416790534	0.097664147	-0.516018834	-0.567380346	-0.54501801	0.004604482	-0.260162762	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	-0.472355803	0.674608511	-0.416299595	-1.79	1
1576	-113.802.055	-0.739272836	-1.037.627.312	-1.067.724.316	-0.54501801	0.004604482	-0.862858158	-0.734276764	-0.994213154	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-1.086.514.002	-0.507561516	-0.959042707	0.43	2
1577	-0.702992143	-0.152110083	-0.529729514	-0.567380346	-0.54501801	0.004604482	-0.862858158	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	-0.604640922	0.577177975	-0.377814131	-1.38	1
1578	1.107.158.039	0.410443053	1.141.715.282	1.333.926.739	0.492582628	0.004604482	0.643880331	1.123.878.846	1.197.477.905	0.963318361	0.503076578	0.375846901	0.903830228	0.656454561	1.227.386.975	-1.121.010.159	1.246.719.416	-5.886	1
1579	-0.941402372	-0.508996607	-0.807508879	-0.867586728	-0.54501801	0.004604482	-0.862858158	-0.502007313	-0.775044048	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.872720749	0.349223656	-0.911719119	-0.18	2
1580	-0.843093283	-0.367196262	-0.691018328	-0.767517934	-0.54501801	0.004604482	-0.862858158	-0.03746841	-0.665459495	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.518436027	-0.765824123	0.142382986	-0.8830739	-0.72	1
1581	-0.169956015	-0.732865213	-0.236868401	-0.067036377	0.146715749	0.621144587	0.342532633	-0.269737862	-0.044480362	-0.813380379	0.503076578	0.375846901	-0.193385253	0.647136755	-0.146455371	0.49289485	-0.208250079	-2.148	1
1582	-0.562295275	0.183424937	-0.367104787	-0.467311552	-0.54501801	-0.611935623	-0.862858158	0.659339943	-0.373234021	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-0.45576038	0.468012155	-0.766810664	-2.58	2
1583	-0.148909305	0.046620367	0.008926913	0.033032417	-0.199151131	0.004604482	-0.260162762	-0.502007313	-0.081008546	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.135135385	-0.055250073	-0.326964682	0.384756967	-3.224	1
1584	-1.030.074.689	-0.608340111	-1.063.285.869	-1.067.724.316	-0.54501801	-0.611935623	-0.56151046	-0.734276764	-1.067.269.522	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.443046509	-102.711.706	-0.367721278	-0.881306408	-0.092	2
1585	-0.879769084	-0.178841095	-0.94995932	-1.067.724.316	-0.890884889	-0.611935623	-0.56151046	-0.734276764	-1.030.741.338	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.939431076	-0.219193374	-0.927662888	-1.3	2
1586	-0.772734336	0.146029033	-0.549436732	-0.66744914	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.592403126	-0.813380379	0.503076578	0.375846901	-0.193385253	-0.94684332	-0.649440613	-0.564351209	-0.823562253	-4.3	2

1587	1.261.647.756	0.0475616	113.034.245	1.433.995.533	1.184.316.386	0.004604482	0.643880331	-0.03746841	141.664.701	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	112.298.015	1.337.711.051	-1.350.896.643	1.332.291.493	-4.21	1
1588	-0.885172685	0.028049119	-0.664219726	-0.767517934	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-0.738515864	-0.813380379	-0.219691167	0.375846901	-0.193385253	-0.94684332	-0.767918843	-0.662185763	-0.829156162	-3.18	1
1589	-0.282394363	-0.910975423	-0.404133665	-0.167105171	0.146715749	0.621144587	0.342532633	-0.734276764	-0.190593099	-0.813380379	1.225.844.322	1.043.299.157	0.355222488	0.647136755	-0.270244525	-0.527789012	-0.226899968	-2.349	1
1590	0.181067777	-0.269851068	0.21305281	0.233170005	0.492582628	0.621144587	0.342532633	-0.269737862	0.13816056	0.963318361	-0.219691167	-0.291605354	0.355222488	0.878175983	0.148397758	-0.287080899	0.599029143	-3.094	1
1591	-0.702354364	-0.007826332	-0.562795855	-0.867586728	-0.199151131	-0.611935623	-0.56151046	-0.03746841	-0.775044048	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.730184914	-0.487984619	-0.932444299	-2.42	2
1592	0.784848323	0.988866822	0.919439057	0.933651563	0.492582628	-0.611935623	0.041184936	2.052.956.651	0.978308799	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.167057995	0.909143381	-0.279974402	0.280475635	-6.144	1
1593	0.776508135	0.541202012	0.471526736	0.833582769	0.838449507	-0.611935623	1.849.271.123	0.659339943	0.832196061	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.948906598	0.636534499	1.305.226.239	0.76206383	-6.124	2
1594	-0.548474392	-0.108393438	-0.449519529	-0.467311552	-0.199151131	-0.611935623	-0.56151046	0.427070492	-0.373234021	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.476777084	0.424548736	-0.731766712	-2.35	1
1595	-0.654443839	-1.063.599.945	-0.739475283	-0.567380346	0.146715749	0.621144587	0.342532633	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.573017847	-0.69563192	0.787520949	-0.229707698	-0.972	1
1596	0.52755703	-1.006.582.957	0.074333883	0.233170005	0.838449507	1.237.684.692	1.849.271.123	-0.502007313	0.247745113	0.074968991	-0.219691167	0.375846901	0.355222488	1.559.646.407	0.203169469	0.089512553	0.929784056	-2.63	2
1597	0.981158124	-0.234446234	0.915707542	1.133.789.151	0.838449507	1.237.684.692	0.342532633	-0.269737862	116.094.972	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	1.061.355.572	1.059.290.147	-1.260.719.369	0.931387856	-3.09	1
1598	-0.129390462	-0.049964601	-0.490099122	-0.767517934	-0.890884889	-0.611935623	-0.862858158	-0.734276764	-0.811572232	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.575456616	0.385004403	-0.606326131	-3.01	1
1599	0.264735982	0.15769308	0.286789145	0.433307593	0.838449507	-0.611935623	0.342532633	-0.269737862	0.320801481	1.851.667.731	-0.219691167	-0.291605354	0.903830228	0.362096609	0.284159221	-0.048932942	1.326.266.316	-3.021	2
1600	-1.040.019.838	-0.814499059	-102.921.006	-0.967655522	-0.199151131	-0.611935623	-0.56151046	-0.734276764	-0.921156785	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-1.011.260.216	0.162288226	-0.869099022	0.46	2
1601	-0.745092571	-0.390835687	-0.681395741	-0.66744914	-0.199151131	-0.611935623	-0.56151046	-0.03746841	-0.592403126	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.690570337	0.342956674	-0.788627662	-0.82	2
1602	-0.646783481	-0.249614563	-0.565457635	-0.567380346	-0.199151131	-0.611935623	-0.56151046	0.194801041	-0.482818573	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.583673711	0.323080496	-0.760499951	-1.87	2
1603	-0.351856214	0.17404881	-0.217643317	-0.267173965	-0.199151131	-0.611935623	-0.56151046	0.891609395	-0.154064915	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.262983832	0.295823742	-0.672617205	-3.38	1
1604	-0.450165303	0.032827686	-0.333581423	-0.367242759	-0.199151131	-0.611935623	-0.56151046	0.659339943	-0.263649468	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.369880458	0.299956402	-0.702461693	-3.17	2
1605	-0.745092571	-0.390835687	-0.681395741	-0.66744914	-0.199151131	-0.611935623	-0.56151046	-0.03746841	-0.592403126	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.389892663	-0.690570337	0.428127078	-0.811003298	-1.36	1
1606	-0.492861459	-0.452667443	-0.482884693	-0.367242759	0.146715749	0.004604482	-0.260162762	-0.502007313	-0.409762205	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.03851463	-0.448869921	0.223657169	-0.280656468	-1.827	1
1607	0.043503736	0.004663104	0.051063396	0.033032417	-0.199151131	0.004604482	0.342532633	-0.269737862	0.028576007	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.066522452	0.047387066	0.099389121	0.043497841	-2.564	1
1608	0.868131057	-0.09181326	0.746526299	1.033.720.357	1.530.183.265	0.004604482	1.246.575.727	0.194801041	0.941780614	0.074968991	-0.219691167	0.375846901	0.355222488	1.335.383.766	0.887696251	0.106139358	1.175.344.119	-4.76	2
1609	-1.033.095.379	-0.77695835	-1.033.092.241	-0.967655522	-0.199151131	-0.611935623	-0.260162762	-0.502007313	-0.921156785	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.033274827	-1.027.837.048	0.162288226	-0.861393727	-0.22	1
1610	0.109944897	-0.852799995	-0.137486066	0.233170005	1.184.316.386	0.004604482	1.547.923.425	-0.03746841	0.13816056	0.074968991	0.503076578	0.375846901	0.355222488	1.553.081.589	0.048254389	-0.831878031	0.472271193	-3.38	1
1611	0.450273625	0.006762777	0.489498774	0.533376387	0.146715749	0.621144587	0.342532633	-0.502007313	0.357329666	0.963318361	-0.219691167	0.375846901	0.903830228	0.359555389	0.492485797	-0.625521474	0.971624029	-3.952	2
1612	0.112019431	0.186574447	-0.36429234	-0.66744914	-0.890884889	-0.611935623	-0.56151046	-0.734276764	-0.701987679	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.40241743	0.399064665	-0.569179865	-4.03	1
1613	0.745509269	104.530.459	0.904892177	0.833582769	-0.54501801	0.004604482	0.041184936	0.194801041	0.722611509	0.963318361	0.503076578	0.375846901	0.903830228	-0.261984603	0.854074202	-1.250.863.604	0.797945391	-5.915	1
1614	0.391654018	1.401.054.394	0.948944639	0.733513975	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	0.39385785	362.836.647	-0.219691167	-0.291605354	2.001.045.709	-0.94684332	0.624766107	-0.868862661	2.015.652.148	-7.87	1
1615	0.967028865	-0.315537061	0.913347096	1.133.789.151	0.838449507	1.237.684.692	0.342532633	-0.269737862	1.124.421.536	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	1.061.355.572	1.047.708.544	-1.245.113.628	1.043.333.609	-3.18	2
1616	-0.696348027	-1.033.082.281	-0.706283386	-0.567380346	0.146715749	0.004604482	0.041184936	-0.502007313	-0.628931311	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.511605037	-0.658693774	0.333817005	-0.397685802	-0.667	1
1617	-0.303139705	-0.214897552	-0.182013129	-0.167105171	0.146715749	0.004604482	-0.260162762	-0.03746841	-0.190593099	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.161128482	-0.225912581	-0.139902373	-0.199722284	-2.452	2
1618	-0.352269719	-0.90974458	-0.413043096	-0.367242759	0.146715749	0.621144587	0.342532633	-0.502007313	-0.373234021	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.878175983	-0.438098338	0.61535088	-0.02667803	-1.34	1
1619	-106.796.998	-0.603771512	-0.949155764	-0.967655522	-0.54501801	-0.611935623	-0.862858158	-0.502007313	-0.957684969	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.585354814	-1.001.825.115	0.260847873	-0.853850253	0.32	1
1620	0.46227929	0.524911444	0.603686635	0.633445181	-0.199151131	0.004604482	-0.56151046	-0.734276764	0.64955514	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	-0.156947521	0.614571386	-1.320.507.616	0.438583551	-4.02	1
1621	0.756898181	0.731548249	0.843427654	0.933651563	0.146715749	-0.611935623	-0.260162762	-0.502007313	0.941780614	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	-0.028404156	0.903618425	-1.406.245.438	0.714109782	-5.184	2
1622	0.446040454	0.359145864	0.260020676	0.333238799	0.146715749	-0.611935623	0.643880331	-0.269737862	0.247745113	0.074968991	0.503076578	0.375846901	0.355222488	0.040208777	0.382428764	-0.304711507	0.523353099	-4.925	2
1623	115.075.129	1.795.394.744	1.516.124.803	1.333.926.739	-0.54501801	0.004604482	-0.862858158	0.427070492	1.453.175.195	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	-0.518436027	1.399.853.317	-1.574.965.237	0.671776732	-7	2
1624	-0.711780879	-0.150205896	-1.055.250.306	-0.967655522	-0.890884889	-0.611935623	0.041184936	-0.734276764	-0.884628601	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.894829137	0.387883531	-0.916754389	-1.99	1
1625	-0.865639825	-0.349421443	-0.935043307	-1.067.724.316	-0.890884889	-0.611935623	-0.56151046	-0.502007313	-0.994213154	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.927849472	-0.954109921	-0.964636616	-1.08	1
1626	1.211.466.457	1.990.410.944	0.709936865	0.433307593	-0.890884889	-0.611935623	0.945228029	-0.502007313	0.357329666	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.901092615	0.136177497	0.80194213	-8.94	1
1627	0.436719067	1.150.396.854	-0.054596723	-0.267173965	-0.890884889	-0.611935623	0.643880331	-0.734276764	-0.263649468	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	0.139283723	1.129.712.624	-0.348458896	-7.56	1
1628	0.970056563	1.753.871.896	0.584130083	0.333238799	-0.890884889	-0.611935623	0.643880331	-0.502007313	0.247745113	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.72805343	-0.005091975	0.753952301	-8.32	1
1629	1.068.057.276	183.800.363	0.630384792	0.433307593	-0.54501801	-0.611935623	0.945228029	-0.734276764	0.320801481	1.851.667.731	-0.219691167	-0.291605354	0.903830228	-0.66857976	0.780126149	-0.120457468	1.355.993.459	-10.66	1
1630	-1.205.358.807	-0.56988713	-1.177.692.195	-1.267.861.904	-0.890884889	-0.611935623	-0.862858158	-0.734276764	-121.338.226	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-1.207.785.284	-2.201.142.816	-0.975824434	-0.88	2
1631	0.560588379	0.666132568	0.719624741	0.733513975	-0.199151131	0.004604482	-0.56151046	-0.734276764	0.759139693	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	-0.156947521	0.721468012	-1.309.696.489	0.545468483	-3.97	2
1632	-0.598066972	-0.190418258	-0.523386441	-0.467311552	-0.199151131	-0.611935623	-0.260162762	-0.502007313	-0.519346758	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.033274827	-0.545963968	0.446968039	-0.261096417	-2.46	1
1633	-0.303139705	-0.139562725	-0.169789029	-0.167105171	-0.199151131	0.004604482	-0.260162762	-0.03746841	-0.190593099	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.135135385	-0.222386195	-0.108172892	-0.199722284	-2.3	1
1634	-1.250.150.522	-0.366689445	-1.072.526.766	-116.779.311	-0.890884889	-0.611935623	-1.164.205.856	-0.734276764	-1.103.797.707	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-1.167.031.217	-1.391.327.532	-0.981418343	-2.84	1
1635	0.863330192	0.2856211	-0.386515694	-0.867586728	-0.890884889	-0.611935623	0.041184936	-0.502007313	-0.775044048	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.34232845	0.349223656	-0.907217028	-2.72	1
1636	0.164338341	0.680432067	-0.141682136	-0.267173965	-0.54501801	-0.611935623	0.342532633	-0.502007313	-0.263649468	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.751381169	-0.014018099	0.875009466	-0.11222291	-5.13	1
1637	-0.04610072	0.677318758	-0.306210287	-0.467311552	-0.890884889	-0.611935623	0.041184936	-0.734276764	-0.482818573	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.206794648	0.75482093	-0.329952026	-4.68	1
1638	-0.04610072	0.677318758	-0.306210287	-0.467311552	-0.890884889	-0.611935623	0.041184936	-0.734276764	-0.482818573	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.206794648	0.718909817	-0.405469798	-5.47	1
1639	0.487236777	1.280.793.801	0.33251652	0.133101211	-0.890884889	-0.611935623	0.041184936	-0.502007313	0.028576007	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.381975058	-0.279467008	0.375208425	-8.53	2
1640	0.487236777	1.280.793.801	0.33251652	0.133101211	-0.890884889	-0.611935623	0.041184936	-0.502007313	0.028576007	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.381975058	-0.157809078	0.400381016	-6.94	1
1641	0.697367461	1.364.418.717	0.361494768	0.333238799	-0.199151131	-0.611935623	0.643880331	-0.734276764	0.211216928	0.963318361	-0.219691167	0.375846901	0.903830228	-0.555919019	0.536842375	-0.605450392	0.693988309	-8.77	1
1642	-0.396949297	0.231319207	-0.709093322	-0.867586728	-0.890884889	-0.611935623	0.041184936	-0.734276764	-0.811572232	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.593352705	1.222.313.141	-0.825859367	-2.74	2
1643	-0.077071552	0.443893019	-0.267488918	-0.367242759	-0.54501801	-0.611935623	0.041184936	-0.502007313	-0.373234021	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.751381169	-0.187057285	0.674453014	-0.283904458	-4.2	1
1644	-0.287510613	0.440779711	-0.432017069	-0.567380346	-0.890884889	-0.611935623	-0.260162762	-0.734276764	-0.592403126	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.94684332	-0.379833833	0.569492041	-0.508550733	-4.6	1
1645	0.455957568	1.127.879.669	0.235687987	0.233170005	-0.199151131	-0.611935623	0.342532633	-0.734276764	0.101632375	0.963318361	-0.219691167	0.375846901	0.903830228	-0.555919019	0.36380319	-0.654528791	0.72735305	-7.58	1
1646	-0.624229931	-0.019084924	-0.821440536	-0.967655522	-0.890884889	-0.611935623	-0.260162762	-0.734276764	-0.884628601	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.94684332	-0.754810287	0.387883531	-0.924459684	-2.14	2
1647	-0.134009104	0.341153837	0.040775364	-0.167105171	-0.199151131	-0.611935623	-0.260162762	0.659339943	-0.044480362	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.516741881	-0.082116144	1.380.171.977	-0.609741029	-3.3	1
1648	1.806.416.215	2.508.849.222	0.988670453	0.733513975	-0.54501801	-0.611935623	1.849.271.123	-0.269737862	0.686083324	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.751381169	1.333.050.908	-0.118150716	1.097.174.658	-10.55	1
1649	0.331506545	0.201959983	0.416940153	0.333238799	-0.199151131	-0.611935623	0.041184936	0.659339943	0.357329666	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.32127973	0.381765883	0.711426025	0.09409599	-3.17	1
1650	0.8438534	1.082.809.097	0.718876429	0.333238799	0.838449507	-0.611935623	0.945228029	1.123.878.846	0.39385785	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.555919019	0.606568687	-0.369790992	0.108777822	-6.05	1
1651	1.201.142.846	0.524549432	0.951757086	0.833582769	1.184.316.386	-0.611935623	1.547.923.425	1.123.878.846	0.832196061	0.074968991	-0.219691167	0.375846901	0.355222488	0.235670927	0.976868737	-0.578137762	0.731490762	-5.85	1
1652	3.914.121.875	-0.076427724	3.363.249.604	4.035.784.177	3.951.251.418	3.087.305.008	3.054.661.914	0.891609395	4.229.317.202	-0.813380379	4.839.683.045	504.801.269	3.646.868.931	3.353.324	3.902.472.588	-2.409.038.336	2.959.501.016	-4.16	1
1653	1.292.779.785	0.456346253	0.469256689	0.433307593	0.146715749	-0.611935623	1.849.271.123	-0.734276764	0.503442403	-0.813380379	1.225.844.322	1.710.751.412	0.903830228	-0.194430512	0.853719769	-0.681633977	0.333663273	-6.08	2
1654	0.482141553	0.304771568	0.316028549	0.333238799	1.184.316.386	-0.611935623	1.246.575.727	0.891609395	0.357329666	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.553111625	0.324254535	0.113570723	0.249482709	-4.29	1
1655	-0.134009104	0.341153837	0.040775364	-0.167105171	-0.199151131	-0.611935623	-0.260162762	0.659339943	-0.044480362	-0.813380379	-0.219691167	-0.291605354	-0.741992993	-0.516741881	-0.082116144	1.260.158.155	-0.592959302	-3.41	1

1656	0.594271525	1.201.078.621	0.760887356	0.533376387	-0.890884889	-0.611935623	-0.56151046	0.427070492	0.466914218	0.963318361	-0.219691167	-0.291605354	0.355222488	-0.94684332	0.677276446	-0.495423405	0.357902229	-7.04	1
1657	0.46227929	0.524911444	0.603686635	0.633445181	-0.199151131	0.004604482	-0.56151046	-0.734276764	0.64955514	-0.813380379	1.948.612.067	2.378.203.668	1.452.437.969	-0.156947521	0.614571386	-1.315.383.824	0.438583551	-4.01	2
1658	-0.001547296	-1.189.326.929	-0.328712374	-0.167105171	1.184.316.386	0.621144587	1.547.923.425	-0.269737862	-0.154064915	0.074968991	-0.219691167	-0.291605354	-0.193385253	1.489.339.328	-0.217257966	0.279108268	0.199882295	-2.44	2
1659	0.385044945	0.629677897	0.800186281	0.633445181	-0.54501801	-0.611935623	-0.862858158	-0.03746841	0.503442403	0.963318361	-0.219691167	0.375846901	0.903830228	-0.878230388	0.61325127	-0.83742767	0.704845724	-4.55	1
1660	0.675633913	0.892426659	0.841669874	0.633445181	0.146715749	-0.611935623	0.041184936	0.194801041	0.539970587	0.963318361	-0.219691167	0.375846901	0.903830228	-0.809617455	0.743929791	-0.993746017	0.81544949	-5.07	2
1661	0.380377243	-0.250266185	0.170429171	0.233170005	0.146715749	0.621144587	0.945228029	0.194801041	0.247745113	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.647136755	0.239471205	0.038150406	0.374481999	-3.25	1
1662	-0.370786338	-0.237016523	-0.422658149	-0.367242759	-0.199151131	0.004604482	0.041184936	-0.734276764	-0.446290389	0.963318361	-0.219691167	-0.291605354	0.355222488	0.02729091	-0.40921377	0.25639724	0.257303731	-2.66	1
1663	1.346.030.833	0.340031598	1.401.673.276	1.433.995.533	1.184.316.386	-0.611935623	0.945228029	0.659339943	1.343.590.642	0.963318361	-0.219691167	0.375846901	0.903830228	0.30428386	1.416.915.739	-0.850345686	1.450.172.552	-3.16	1
1664	0.805874007	-1.157.433.617	0.613118376	0.533376387	1.184.316.386	1.854.224.797	2.451.966.519	0.891609395	0.576498771	0.074968991	-0.219691167	-0.291605354	-0.193385253	2.776.678.889	0.559729623	-0.45230017	0.706100709	-2.65	1
1665	0.762708278	-0.874303545	0.074132994	0.533376387	0.838449507	1.237.684.692	2.451.966.519	-0.502007313	0.576498771	0.074968991	-0.219691167	0.375846901	0.355222488	1.559.646.407	0.346902352	0.188335479	117.473.211	-2.97	1
1666	0.068454214	-0.36425672	0.117949412	0.233170005	0.492582628	0.004604482	0.342532633	-0.269737862	0.13816056	0.963318361	-0.219691167	-0.291605354	0.355222488	0.581912116	0.107178857	0.289410194	0.860610323	-3.61	1
1667	0.068454214	-0.625854282	0.035562292	0.233170005	0.146715749	0.621144587	0.342532633	-0.269737862	0.13816056	0.074968991	0.503076578	0.375846901	0.355222488	0.647136755	0.121624456	-0.236106651	0.310170286	-2.29	2
1668	0.18120094	-0.189556668	0.35816001	0.333238799	0.146715749	1.237.684.692	0.041184936	0.659339943	0.320801481	0.963318361	-0.219691167	-0.291605354	0.355222488	0.266165564	0.268913166	-1.031.427.428	0.398192269	-3.79	1
1669	0.09702111	-0.239586813	0.257356384	0.233170005	0.492582628	0.004604482	0.041184936	0.659339943	0.247745113	0.074968991	-0.219691167	-0.291605354	-0.193385253	0.229741415	0.191511373	-0.449137035	-0.016631195	-1.72	1
1670	1.141.682.212	-0.019012522	1.075.429.422	1.333.926.739	0.838449507	0.621144587	1.246.575.727	-0.03746841	116.094.972	1.851.667.731	0.503076578	0.375846901	1.452.437.969	0.632312974	1.128.917.084	-0.904957588	2.151.812.485	-3.13	2
1671	0.391534872	-0.344918006	0.363928037	0.433307593	0.838449507	0.621144587	0.945228029	-0.03746841	0.357329666	0.963318361	-0.219691167	-0.291605354	0.355222488	1.127.850.821	0.341779614	-0.498965614	0.909097367	-2.73	1
1672	0.938770346	0.700958183	0.984758139	1.033.720.357	-0.199151131	0.004604482	0.342532633	0.194801041	0.868724246	0.963318361	-0.219691167	0.375846901	0.903830228	0.204540986	0.949917553	-0.792442962	1.647.477.425	-4.5	2
1673	-0.506373965	0.142922965	-0.294890188	-0.367242759	-0.54501801	0.004604482	-0.862858158	-0.502007313	-0.373234021	0.074968991	-0.219691167	-0.291605354	-0.193385253	-0.518436027	-0.390847669	0.476163273	-0.279243665	-2.19	1
1674	0.601763677	0.427312841	0.729618972	0.833582769	0.492582628	0.004604482	0.041184936	0.194801041	0.64955514	1.851.667.731	-0.219691167	-0.291605354	0.903830228	0.482804546	0.698560952	-0.591636782	1.562.554.345	-4.78	1