

17.69	1.2	2.54	0.813447	0.0115	0.0066	0.0216	0.030397	0.004628
17.84	1.24333	2.6	0.812321	0.0116	0.0067	0.0214	0.030117	0.007956
18.42	1.28667	2.66	0.784341	0.012	0.0062	0.0214	0.029551	0.005401
19.45	1.33	2.72	0.751458	0.013	0.0057	0.022	0.025914	0.005785
19.53	1.37667	2.76	0.755966	0.0131	0.0055	0.0225	0.027341	0.006574
19.51	1.42333	2.8	0.747364	0.0136	0.0055	0.0224	0.02554	0.004082
20.41	1.47	2.84	0.722538	0.0134	0.0053	0.0224	0.031358	0.015447
21.66	1.48667	2.83667	0.683599	0.0134	0.0051	0.0221	0.030045	0.016013
21.8	1.50333	2.83333	0.674866	0.0136	0.005	0.0228	0.03112	0.01773
21.4	1.52	2.83	0.781395	0.014	0.0045	0.0241	0.032687	0.001936
22.43	1.53333	2.79333	0.749431	0.0147	0.0048	0.0248	0.032092	0.001546
21.52	1.54667	2.75667	0.777889	0.0155	0.0051	0.0254	0.030675	0.002701
20.96	1.56	2.72	0.800363	0.0145	0.0055	0.0259	0.036341	-0.00231
22.4	1.54667	2.65	0.753122	0.0156	0.0059	0.0252	0.032599	-0.00077
23.28	1.53333	2.58	0.718594	0.0162	0.0062	0.0246	0.030321	-0.00193
23.26	1.52	2.51	0.716182	0.0163	0.0062	0.0253	0.0288	0.006574
22.94	1.48333	2.48667	0.740233	0.0154	0.0061	0.0254	0.029144	0.004994
22.88	1.44667	2.46333	0.743292	0.0156	0.006	0.0264	0.031621	0.006116
23.77	1.41	2.44	0.721316	0.0173	0.006	0.0269	0.036151	0.005699
24.14	1.41333	2.42667	0.717426	0.0157	0.0061	0.0268	0.035151	-0.00076
23.26	1.41667	2.41333	0.746693	0.0154	0.006	0.0269	0.034872	-0.00151
24.37	1.42	2.4	0.751874	0.0159	0.0055	0.0263	0.032094	-0.00076
23.32	1.43	2.38	0.786399	0.0157	0.0057	0.0254	0.033231	0.002653
23.86	1.44	2.36	0.770518	0.0167	0.0056	0.0257	0.032149	0.000378
24.96	1.45	2.34	0.738715	0.017	0.0056	0.0259	0.027731	0.002267
25.4	1.45	2.34667	0.72471	0.0181	0.0055	0.0261	0.027923	0.005654
25.03	1.45	2.35333	0.73662	0.0183	0.0057	0.0267	0.028043	0.000375
24.54	1.45	2.36	0.748679	0.0171	0.0057	0.0277	0.031038	-0.00225
24.52	1.43667	2.37333	0.752516	0.0174	0.0053	0.0269	0.029927	0.002253
25.66	1.42333	2.38667	0.714235	0.0185	0.0055	0.0272	0.02655	0
26.57	1.41	2.4	0.694073	0.0209	0.0054	0.0279	0.026535	0.000749
26.38	1.41	2.41	0.699175	0.0196	0.0049	0.0279	0.025934	-0.00262
25.9	1.41	2.42	0.712703	0.0197	0.0046	0.0287	0.026515	-0.00188
25.29	1.41	2.43	0.762497	0.0201	0.0045	0.0294	0.024013	0.001504
24.62	1.41333	2.45667	0.776706	0.0219	0.0042	0.0303	0.026293	0.002253
24.54	1.41667	2.48333	0.783752	0.0216	0.0044	0.0314	0.027226	0.000375
24.14	1.42	2.51	0.795497	0.0211	0.0046	0.0301	0.027462	0.002622
24.75	1.42	2.52333	0.774929	0.0204	0.0058	0.0301	0.026152	0.000747
23.32	1.42	2.53667	0.816936	0.0204	0.0061	0.0303	0.028087	0.00224
23.35	1.42	2.55	0.808211	0.0179	0.0059	0.0284	0.025877	0.00149
24.54	1.43	2.53667	0.773721	0.0138	0.0066	0.0281	0.024695	0.002231
24.76	1.44	2.52333	0.758432	0.0144	0.0064	0.0286	0.025798	-0.00371
24.81	1.45	2.51	0.759701	0.016	0.0061	0.0274	0.024822	0.000745
26.08	1.45667	2.52333	0.729847	0.0118	0.0065	0.0291	0.023383	0.002605
26.15	1.46333	2.53667	0.72452	0.0097	0.0066	0.0279	0.022563	0.001856
26.94	1.47	2.55	0.804916	0.0103	0.0065	0.0278	0.022093	-0.00222
28.26	1.46333	2.57333	0.765039	0.0097	0.0062	0.0273	0.020856	-0.0026

29.19	1.45667	2.59667	0.745977	0.0076	0.0059	0.0279	0.018493	0.002606
29.21	1.45	2.62	0.732468	0.0064	0.0059	0.0272	0.018357	0.000371
30.88	1.45667	2.62333	0.702173	0.0072	0.0061	0.0266	0.017707	-0.00297
29.83	1.46333	2.62667	0.727516	0.0092	0.0062	0.0269	0.017528	-0.00037
32.31	1.47	2.63	0.677745	0.0101	0.0058	0.0271	0.016884	-0.00149
31.68	1.49333	2.67667	0.693758	0.0098	0.0059	0.0271	0.01758	-0.00336
34.24	1.51667	2.72333	0.631642	0.0093	0.0056	0.0274	0.014153	0.002246
35.98	1.54	2.77	0.60412	0.0115	0.0055	0.0272	0.026993	-0.00037
36.63	1.54667	2.83333	0.597559	0.0122	0.0052	0.0286	0.026412	0
36.76	1.55333	2.89667	0.593148	0.0117	0.0054	0.0292	0.028045	0.001868
36.58	1.56	2.96	0.607762	0.0128	0.0046	0.0288	0.027968	-0.00112
37.96	1.56333	3.04667	0.584988	0.0159	0.0048	0.029	0.02651	0
37.91	1.56667	3.13333	0.586075	0.0145	0.0046	0.0287	0.025419	-0.00075
41.03	1.57	3.22	0.551642	0.0141	0.0046	0.0293	0.025364	-0.00224
43.52	1.58667	3.29333	0.534507	0.016	0.0046	0.03	0.02476	0.001872
43.18	1.60333	3.36667	0.531847	0.019	0.0045	0.0301	0.026671	-0.00149
43.67	1.62	3.44	0.533625	0.0207	0.0046	0.0298	0.025634	0.004865
42.34	1.62667	3.5	0.547409	0.0223	0.0049	0.0292	0.025101	-0.00112
45.51	1.63333	3.56	0.515251	0.0224	0.0048	0.0295	0.026034	0.002237
45.48	1.64	3.62	0.509828	0.0254	0.0047	0.0295	0.025245	-0.00037
43.82	1.67	3.64333	0.528954	0.0241	0.0049	0.0292	0.026424	-0.00149
45.34	1.7	3.66667	0.514835	0.0232	0.005	0.0293	0.024165	0.001118
48.48	1.73	3.69	0.531077	0.0225	0.005	0.0303	0.026695	0.001117
48.38	1.75333	3.66	0.526622	0.026	0.0044	0.0311	0.026214	0.001488
45.2	1.77667	3.63	0.56856	0.0261	0.0045	0.0299	0.029303	0.003713
46.97	1.8	3.6	0.551565	0.0249	0.005	0.0299	0.025672	0.00444
49.39	1.81333	3.55333	0.524903	0.0231	0.0052	0.0313	0.024754	0.005157
47.51	1.82667	3.50667	0.541391	0.026	0.005	0.0325	0.023811	0.000733
45.35	1.84	3.46	0.57191	0.0284	0.0051	0.0324	0.029362	0.001465
45.58	1.80667	3.44333	0.566427	0.029	0.0058	0.0329	0.029457	0.00585
45.08	1.77333	3.42667	0.574897	0.0299	0.0055	0.0333	0.027088	0
46.67	1.74	3.41	0.544177	0.0321	0.0062	0.0345	0.026149	0.004362
44.72	1.73667	3.40667	0.567243	0.0311	0.0072	0.0328	0.027992	0.001448
43.26	1.73333	3.40333	0.584994	0.031	0.008	0.0328	0.030173	0.004698
44.11	1.73	3.4	0.599819	0.0308	0.0077	0.0331	0.0266	0.002158
45.74	1.73	3.40667	0.576098	0.0307	0.0077	0.0345	0.027421	0.002513
47.43	1.73	3.41333	0.564039	0.0306	0.0078	0.0348	0.028849	0.002506
47.37	1.73	3.42	0.565877	0.0329	0.0072	0.0361	0.030528	0.003929
47.91	1.74	3.43667	0.560057	0.0316	0.0074	0.0365	0.032346	0.002846
45.22	1.75	3.45333	0.588005	0.0337	0.0072	0.0367	0.035854	0.003193
42.42	1.76	3.47	0.624151	0.0353	0.0081	0.0364	0.034363	0.001414
41.06	1.77	3.43667	0.645746	0.0358	0.0089	0.0369	0.03841	0
41.72	1.78	3.40333	0.633072	0.0331	0.0101	0.034	0.04099	0.003178
39.99	1.79	3.37	0.653676	0.0304	0.0122	0.0323	0.034873	0.002112
41.7	1.78333	3.29333	0.632861	0.0244	0.0123	0.033	0.029896	0.005971
40.84	1.77667	3.21667	0.64739	0.0153	0.0107	0.0325	0.027751	0.002095
42.1	1.77	3.14	0.668592	0.013	0.0105	0.0321	0.028935	0.005923

43.44	1.75667	3.07	0.655245	0.0113	0.0107	0.0311	0.027018	0.002425
44.09	1.74333	3	0.645559	0.0091	0.0105	0.0313	0.02287	0
45.24	1.73	2.93	0.62466	0.0083	0.0098	0.0324	0.021437	-0.00104
47.19	1.73	2.91333	0.593849	0.0091	0.0086	0.0343	0.016934	-0.00069
47.75	1.73	2.89667	0.587264	0.0169	0.0082	0.0371	0.015091	0.001731
50.06	1.73	2.88	0.561371	0.0244	0.0078	0.038	0.013983	-0.00104
51.33	1.73667	2.88333	0.549869	0.0263	0.0081	0.0374	0.012279	0
52.48	1.74333	2.88667	0.535823	0.0267	0.0078	0.0368	0.011535	0.001384
55.21	1.75	2.89	0.511779	0.0277	0.0077	0.0382	0.023687	0.000691
55.42	1.75667	2.96333	0.502896	0.0282	0.0075	0.0408	0.027736	0.001381
55.41	1.76333	3.03667	0.494946	0.027	0.0075	0.0402	0.027899	-0.00034
55.44	1.77	3.11	0.51686	0.028	0.0072	0.0403	0.024984	-0.00103
57.59	1.77667	3.20667	0.498597	0.0295	0.0063	0.0414	0.024361	0.000345
58.68	1.78333	3.30333	0.483077	0.0284	0.0059	0.0417	0.025887	0.00207
58.47	1.79	3.4	0.483219	0.0321	0.0058	0.0419	0.026882	0.00241
60.51	1.79667	3.41	0.460823	0.032	0.0061	0.0417	0.027141	0.001374
59.6	1.80333	3.42	0.468084	0.0338	0.0066	0.0423	0.028146	0.001029
56.88	1.81	3.43	0.492338	0.0404	0.0066	0.0429	0.030528	0.002399
57.52	1.81667	3.41667	0.480977	0.0405	0.0071	0.0421	0.03102	0.003419
58.28	1.82333	3.40333	0.471798	0.0415	0.007	0.0432	0.029722	0
59.89	1.83	3.39	0.457784	0.0449	0.007	0.0447	0.022856	0.002044
55.61	1.86667	3.39	0.499502	0.0435	0.0073	0.0441	0.022116	-0.00136
56.12	1.90333	3.39	0.493557	0.0396	0.0078	0.0429	0.024037	0.001362
55.34	1.94	3.39	0.549798	0.0331	0.0076	0.0411	0.025593	0
54.37	1.94333	3.34667	0.563404	0.0323	0.0075	0.0426	0.025577	0.00442
55.83	1.94667	3.30333	0.541966	0.0329	0.0082	0.0417	0.024414	0.001016
56.92	1.95	3.26	0.529175	0.0246	0.0081	0.0407	0.02427	0.001353
55.51	1.95	3.26333	0.549673	0.023	0.0081	0.0382	0.025778	-0.00203
56.96	1.95	3.26667	0.541542	0.023	0.008	0.039	0.025196	0.00203
53.52	1.95	3.27	0.584342	0.0248	0.0076	0.0387	0.028312	0
53.39	1.95	3.27	0.58412	0.023	0.0081	0.0391	0.027824	0.004728
55.54	1.95	3.27	0.56763	0.0237	0.0077	0.0399	0.026034	0.001008
58.11	1.95	3.27	0.550423	0.0225	0.0075	0.038	0.022761	0.001007
61.78	1.94667	3.21	0.522987	0.0224	0.0078	0.0404	0.021815	0.001006
63.44	1.94333	3.15	0.512023	0.0242	0.008	0.0392	0.01942	0
65.06	1.94	3.09	0.54668	0.0239	0.008	0.0397	0.022738	0
65.31	1.94	3.07	0.545004	0.0229	0.0076	0.0391	0.023259	-0.00101
66.56	1.94	3.05	0.530916	0.0229	0.0074	0.0397	0.022466	0.001006
64.64	1.94	3.03	0.540821	0.0233	0.007	0.0404	0.022482	0
66.76	1.94667	3.03667	0.524406	0.0224	0.0068	0.0404	0.02518	0.002681
68.07	1.95333	3.04333	0.513793	0.0239	0.0066	0.041	0.025426	0.000668
66.73	1.96	3.05	0.527517	0.0228	0.0067	0.0403	0.024963	0.001336
68.62	1.98	3.09667	0.525486	0.023	0.0071	0.04	0.025836	0
71.32	2	3.14333	0.512611	0.0248	0.0072	0.0404	0.025571	0
71.55	2.02	3.19	0.505922	0.026	0.0068	0.0415	0.022324	0.001001
68.84	2.02667	3.25	0.528429	0.0272	0.0066	0.0419	0.024721	0.001
69.96	2.03333	3.31	0.522421	0.0273	0.0065	0.0414	0.028783	0.00233

69.55	2.04	3.37	0.545725	0.0272	0.0065	0.0398	0.024075	0.001993
65.24	2.04667	3.40333	0.579863	0.0273	0.0069	0.0394	0.025152	0.001326
59.63	2.05333	3.43667	0.628994	0.0269	0.0072	0.0393	0.027722	0.000993
54.75	2.06	3.47	0.687357	0.0273	0.0074	0.0401	0.026455	-0.00099
58.23	2.06667	3.49	0.645226	0.0292	0.0071	0.0412	0.030486	0.000331
59.12	2.07333	3.51	0.63331	0.0282	0.0071	0.0401	0.029329	0.001985
56.27	2.08	3.53	0.666344	0.0278	0.0071	0.0398	0.030601	0.004624
56.52	2.09667	3.57667	0.654153	0.0274	0.0071	0.0395	0.028094	-0.00131
62.26	2.11333	3.62333	0.594178	0.0283	0.0071	0.0396	0.02481	0
63.1	2.13	3.67	0.591627	0.0287	0.0068	0.0395	0.019968	0
66.2	2.13667	3.68333	0.564985	0.0291	0.007	0.0398	0.017136	0.001975
64.29	2.14333	3.69667	0.581953	0.0292	0.007	0.04	0.013237	0.001314
66.57	2.15	3.71	0.587529	0.0289	0.0069	0.0401	0.01438	0.000984
69.8	2.16667	3.75333	0.558729	0.029	0.0066	0.0405	0.015199	-0.00098
70.8	2.18333	3.79667	0.551612	0.0293	0.0063	0.0406	0.014648	0.000984
69.37	2.2	3.84	0.567282	0.0299	0.0061	0.0407	0.018263	0.003278
69.13	2.20333	3.88	0.576622	0.0318	0.0058	0.0407	0.009319	0.002614
72.5	2.20667	3.92	0.549827	0.0332	0.0054	0.0408	0.00952	0.001955
71.7	2.21	3.96	0.547224	0.0338	0.0053	0.041	0.010313	-0.00098
74.01	2.23333	3.98	0.530964	0.0345	0.0051	0.0415	0.01028	0.000977
73.23	2.25667	4	0.534296	0.0352	0.0051	0.0414	0.006013	0.000976
75.02	2.28	4.02	0.525591	0.0352	0.005	0.0417	0.008955	0.003249
77.04	2.29667	4.07333	0.510607	0.0352	0.0044	0.0421	0.014294	0.001943
77.8	2.31333	4.12667	0.501162	0.0353	0.0047	0.0424	0.017408	-0.00097
78.98	2.33	4.18	0.523675	0.0354	0.0045	0.0424	0.017783	0.000971
79.46	2.34667	4.23	0.525303	0.0347	0.0045	0.0423	0.020768	0.000323
80.37	2.36333	4.28	0.519036	0.0348	0.0044	0.0422	0.021179	0.000969
81.69	2.38	4.33	0.512207	0.0348	0.0044	0.0419	0.020503	0.000968
83.18	2.4	4.37667	0.506361	0.0346	0.0043	0.0421	0.021313	0.000322
81.83	2.42	4.42333	0.507943	0.035	0.0041	0.0423	0.020697	0.000967
84.18	2.44	4.47	0.486537	0.0353	0.004	0.0421	0.020403	0.000966
84.86	2.46	4.49667	0.487813	0.0357	0.0039	0.0421	0.020116	0.001287
84.42	2.48	4.52333	0.486504	0.0364	0.0038	0.0422	0.019166	0.002892
84.75	2.5	4.55	0.487227	0.0384	0.0037	0.0423	0.023094	0.001282
87.56	2.51667	4.59333	0.471723	0.0381	0.0037	0.0422	0.017903	0.00096
87.43	2.53333	4.63667	0.471399	0.0393	0.0037	0.0424	0.014822	0
86.16	2.55	4.68	0.46949	0.0393	0.0036	0.0422	0.019133	0.000959
89.11	2.57	4.73333	0.452559	0.0393	0.0037	0.0422	0.014722	0.002236
88.42	2.59	4.78667	0.454664	0.0389	0.0037	0.0423	0.016244	0.003187
84.12	2.61	4.84	0.480859	0.038	0.0039	0.0423	0.01755	0.00413
85.25	2.62667	4.88667	0.473382	0.0384	0.004	0.0424	0.015627	-0.00095
87.17	2.64333	4.93333	0.467361	0.0384	0.0039	0.0428	0.0156	-0.00095
89.96	2.66	4.98	0.448537	0.0392	0.0039	0.0433	0.016895	0.002219
92.42	2.68	5.05	0.434421	0.0403	0.0037	0.0433	0.017463	0.000949
91.61	2.7	5.12	0.440895	0.0409	0.0035	0.0441	0.020763	0.00316
92.43	2.72	5.19	0.430638	0.0438	0.0034	0.045	0.020837	0.00315
92.88	2.74	5.24	0.424398	0.0459	0.0032	0.0457	0.020278	0.000942

91.22	2.76	5.29	0.438496	0.0465	0.0034	0.0477	0.020026	0.006274
89.23	2.78	5.34	0.490176	0.0459	0.004	0.046	0.016788	0.003117
91.06	2.79667	5.38	0.485498	0.0462	0.0045	0.0467	0.015636	0.003108
86.13	2.81333	5.42	0.512742	0.0464	0.005	0.0473	0.015945	0.002169
84.74	2.83	5.46	0.520975	0.045	0.0051	0.0477	0.017122	0.000927
83.6	2.85	5.47667	0.534943	0.048	0.0052	0.0482	0.018641	0.002162
77.1	2.87	5.49333	0.574955	0.0496	0.0052	0.0499	0.02147	0.006163
76.56	2.89	5.51	0.585492	0.0537	0.006	0.048	0.016984	0.003063
80.2	2.88333	5.52333	0.561661	0.0535	0.0069	0.0467	0.015184	0.003053
80.45	2.87667	5.53667	0.572645	0.0532	0.0078	0.048	0.017549	0.000913
80.33	2.87	5.55	0.576945	0.0496	0.0079	0.0455	0.017208	0.001217
86.61	2.88	5.51667	0.533363	0.0472	0.0077	0.0448	0.015698	-0.00061
86.78	2.89	5.48333	0.540048	0.0456	0.0079	0.0465	0.017701	0.00304
90.2	2.9	5.45	0.549551	0.0426	0.0072	0.0455	0.014922	0
94.01	2.9	5.41	0.530517	0.0384	0.0072	0.0477	0.015046	0.00303
89.08	2.9	5.37	0.558201	0.036	0.0072	0.0482	0.011465	0
90.64	2.9	5.33	0.553205	0.0354	0.0071	0.0507	0.010153	0.006042
94.75	2.90667	5.32	0.526298	0.0421	0.0068	0.0505	0.006688	0.003003
93.64	2.91333	5.31	0.528021	0.0427	0.0071	0.0514	0.005842	0.002994
96.71	2.92	5.3	0.513565	0.0442	0.0075	0.0517	0.0056	0.002985
93.9	2.92	5.31	0.540955	0.0456	0.007	0.0549	0.003716	0.002976
94	2.92	5.32	0.543383	0.0473	0.0065	0.0567	0.002773	0.005935
96.47	2.92	5.33	0.525792	0.0497	0.0074	0.0556	0.014361	0.00295
92.24	2.93	5.36667	0.556302	0.05	0.0067	0.0536	0.012854	0.002941
89.36	2.94	5.40333	0.566211	0.0498	0.007	0.0542	0.010451	0.002933
90.2	2.95	5.44	0.56681	0.0517	0.0074	0.056	0.012677	0.002924
97.59	2.96333	5.48333	0.522352	0.0538	0.0076	0.0547	0.00814	0.002915
98.68	2.97667	5.52667	0.530033	0.0566	0.0076	0.0547	0.010646	0.002907
99.58	2.99	5.57	0.530742	0.0552	0.0079	0.0534	0.01209	0.005797
97.74	3.00333	5.6	0.539638	0.0531	0.0074	0.0517	0.013885	0.005764
98.86	3.01667	5.63	0.531802	0.0509	0.008	0.052	0.018035	0.002865
102.67	3.03	5.66	0.509195	0.0519	0.0082	0.0531	0.018287	0.002857
103.41	3.04333	5.69333	0.50032	0.0535	0.0075	0.0543	0.01941	0.005698
108.37	3.05667	5.72667	0.483717	0.0545	0.0082	0.0566	0.021189	0.002833
103.86	3.07	5.76	0.504901	0.0596	0.0078	0.0598	0.031961	0.00565
103.01	3.08	5.78	0.503673	0.0614	0.0073	0.0617	0.036525	0.002809
98.13	3.09	5.8	0.526397	0.0612	0.0064	0.0618	0.041317	0.002801
101.51	3.1	5.82	0.55704	0.0602	0.0066	0.062	0.039508	0.00838
103.69	3.11	5.82667	0.548422	0.0611	0.0065	0.0593	0.044291	0.00554
103.46	3.12	5.83333	0.555804	0.0604	0.0073	0.0635	0.044006	0.002755
97.71	3.13	5.84	0.596777	0.0644	0.0072	0.0623	0.045153	0.005495
91.83	3.13667	5.85667	0.639018	0.07	0.0076	0.0621	0.051161	0.005464
95.51	3.14333	5.87333	0.622789	0.0698	0.0089	0.063	0.046915	0.002717
93.12	3.15	5.89	0.640888	0.0709	0.0091	0.0677	0.048391	0.00542
97.24	3.15333	5.85333	0.608769	0.07	0.0089	0.0653	0.04863	0.005391
93.81	3.15667	5.81667	0.641512	0.0724	0.009	0.0676	0.047904	0.005362
92.06	3.16	5.78	0.651082	0.0782	0.0093	0.0687	0.034274	0.005333

85.02	3.16333	5.73	0.700347	0.0787	0.0095	0.0693	0.034473	0.005305
89.5	3.16667	5.68	0.670148	0.0713	0.0085	0.0651	0.035855	0.005277
89.63	3.17	5.63	0.690327	0.0663	0.0079	0.0661	0.035842	0.005249
81.52	3.17333	5.59333	0.736751	0.0651	0.0087	0.0699	0.035712	0.005222
76.55	3.17667	5.55667	0.774228	0.0684	0.0087	0.0743	0.038661	0.002597
72.72	3.18	5.52	0.793381	0.0668	0.0077	0.0709	0.042299	0.005181
78.05	3.18333	5.46667	0.738708	0.0645	0.0096	0.0687	0.043082	0.002577
81.52	3.18667	5.41333	0.709278	0.0641	0.0131	0.0694	0.038737	0.002571
84.21	3.19	5.36	0.712915	0.0612	0.013	0.068	0.03795	0.005128
83.25	3.17333	5.28333	0.717698	0.0591	0.013	0.0693	0.03697	0.005102
87.2	3.15667	5.20667	0.68292	0.0528	0.0133	0.0637	0.035232	0.005076
92.15	3.14	5.13	0.646426	0.0487	0.0148	0.0648	0.031468	0.005051
95.88	3.13	5.16	0.62441	0.0444	0.0138	0.0612	0.030599	0.002513
96.75	3.12	5.19	0.61707	0.037	0.0131	0.0629	0.025807	0
100.31	3.11	5.22	0.633811	0.0338	0.0125	0.0593	0.026405	0.002506
103.95	3.10667	5.25333	0.608654	0.0386	0.012	0.0619	0.026563	0.0025
99.63	3.10333	5.28667	0.63141	0.0414	0.0109	0.0624	0.029728	0.004988
99.7	3.1	5.32	0.643221	0.0475	0.0111	0.0641	0.027278	0.004963
95.58	3.09667	5.35667	0.667731	0.054	0.0112	0.0643	0.025796	0.002469
99.03	3.09333	5.39333	0.638258	0.0494	0.0117	0.061	0.026782	0.002463
98.34	3.09	5.43	0.646085	0.0469	0.0115	0.0598	0.027934	0.002457
94.23	3.08333	5.52	0.683194	0.0446	0.0109	0.0588	0.029244	0.002451
93.99	3.07667	5.61	0.689489	0.0422	0.0112	0.0596	0.029452	0.002445
102.09	3.07	5.7	0.6439	0.0401	0.0113	0.0597	0.034023	0.002439
103.94	3.07	5.73667	0.635357	0.0338	0.0104	0.0606	0.033075	0.002433
106.57	3.07	5.77333	0.617586	0.032	0.0096	0.0602	0.03303	0.004854
107.2	3.07	5.81	0.645902	0.0373	0.01	0.0613	0.031723	0
107.67	3.07	5.86333	0.636784	0.0371	0.0094	0.0615	0.032492	0.002415
109.53	3.07	5.91667	0.632442	0.0369	0.0093	0.0597	0.030657	0.00241
107.14	3.07	5.97	0.654015	0.0391	0.0097	0.0607	0.034199	0.002404
107.39	3.07333	6.02667	0.65705	0.0398	0.0102	0.0593	0.033325	0.002398
111.09	3.07667	6.08333	0.630467	0.0402	0.01	0.0595	0.031849	0.002392
110.55	3.08	6.14	0.637385	0.0466	0.0087	0.0606	0.03287	0.004773
111.58	3.10333	6.23333	0.635884	0.0474	0.0085	0.0591	0.032353	0.002375
116.67	3.12667	6.32667	0.596733	0.0478	0.0087	0.0577	0.030952	0.004739
118.05	3.15	6.42	0.595675	0.0507	0.0085	0.0599	0.034203	0.002358
116.03	3.15667	6.54667	0.608196	0.0541	0.0075	0.0685	0.035647	0.004706
111.68	3.16333	6.67333	0.636184	0.056	0.0075	0.0688	0.0363	0.007026
111.52	3.17	6.8	0.676018	0.0609	0.0074	0.0686	0.036706	0.009302
106.97	3.18667	6.94333	0.69772	0.0626	0.0083	0.0687	0.037833	0.006912
104.95	3.20333	7.08667	0.713216	0.0636	0.0077	0.0703	0.039602	0.004577
104.26	3.22	7.23	0.720974	0.0719	0.0076	0.071	0.039013	0.006834
108.22	3.23667	7.38333	0.693977	0.0801	0.0079	0.076	0.03735	0
104.25	3.25333	7.53667	0.724337	0.0867	0.0085	0.0728	0.037389	0.0181
108.43	3.27	7.69	0.678809	0.0829	0.01	0.0703	0.034361	0.004444
108.29	3.30667	7.84667	0.672082	0.0722	0.0081	0.0689	0.03466	0.00885
95.96	3.34333	8.00333	0.781879	0.0783	0.0075	0.0712	0.038736	0.006579

97.55	3.38	8.16	0.755588	0.0745	0.008	0.0726	0.013007	0.008715
96.57	3.4	8.22667	0.751446	0.0777	0.0065	0.074	0.011627	0.010799
96.22	3.42	8.29333	0.747098	0.0712	0.0068	0.0748	0.010919	0.010684
93.98	3.44	8.36	0.815184	0.0796	0.0061	0.0783	0.0104	0.010571
90.31	3.46	8.48667	0.824858	0.0833	0.0062	0.0816	0.009657	0.006276
87.28	3.48	8.61333	0.860416	0.0823	0.0068	0.081	0.009247	0.010395
86	3.5	8.74	0.860159	0.079	0.008	0.0812	0.008028	0.00823
79.31	3.53	8.86333	0.911239	0.0755	0.0076	0.0823	0.00684	0.006122
72.15	3.56	8.98667	1.017124	0.0896	0.0077	0.0855	0.006556	0.01217
63.54	3.59	9.11	1.13544	0.0806	0.0094	0.0837	0.005138	0.014028
73.9	3.59333	9.03667	1.037084	0.0746	0.0121	0.0795	0.003639	0.007905
69.97	3.59667	8.96333	1.115637	0.0747	0.0171	0.0771	0.007815	0.009804
68.56	3.6	8.89	1.120018	0.0715	0.0174	0.076	0.008773	0.007767
76.98	3.62333	8.74333	0.98083	0.0626	0.0198	0.0796	0.008511	0.007707
81.59	3.64667	8.59667	0.933902	0.055	0.0203	0.0788	0.011653	0.005736
83.36	3.67	8.45	0.972466	0.0549	0.0181	0.0824	0.020468	0.003802
87.3	3.68333	8.28667	0.909489	0.0561	0.0163	0.0852	0.022496	0.003788
91.15	3.69667	8.12333	0.897524	0.0523	0.0179	0.0836	0.022954	0.001887
95.19	3.71	7.96	0.849839	0.0534	0.0185	0.0813	0.022962	0.007533
88.75	3.71	7.89333	0.898366	0.0613	0.0171	0.0829	0.025627	0.009346
86.88	3.71	7.82667	0.894247	0.0644	0.0164	0.0844	0.026365	0.003704
83.87	3.71	7.76	0.940948	0.0642	0.0166	0.0862	0.027918	0.00738
89.04	3.7	7.82667	0.893498	0.0596	0.0176	0.0819	0.025897	0.005495
91.24	3.69	7.89333	0.867928	0.0548	0.0178	0.0838	0.024621	0.007286
90.19	3.68	7.96	0.876339	0.0544	0.0177	0.0805	0.023709	0.005425
100.86	3.68333	8.19333	0.765934	0.0487	0.0181	0.0802	0.02185	0.003597
99.71	3.68667	8.42667	0.768037	0.0488	0.0169	0.0802	0.022231	0.001792
102.77	3.69	8.66	0.784031	0.05	0.016	0.0792	0.01507	0.001789
101.64	3.71333	8.85667	0.786076	0.0486	0.0154	0.0797	0.014238	0.001786
100.18	3.73667	9.05333	0.803503	0.052	0.0128	0.0821	0.014146	0.005348
104.28	3.76	9.25	0.781428	0.0541	0.0127	0.0807	0.018923	0.005319
103.44	3.79	9.35	0.795824	0.0523	0.0126	0.0805	0.018841	0.005291
102.91	3.82	9.45	0.804732	0.0514	0.0119	0.079	0.020628	0.005263
105.24	3.85	9.55	0.791363	0.0508	0.0102	0.0781	0.023782	0.005236
102.9	3.91667	9.67	0.81208	0.0492	0.0097	0.0779	0.025568	0.005208
102.1	3.98333	9.79	0.827263	0.0475	0.0098	0.0749	0.027894	0.003454
107.46	4.05	9.91	0.779973	0.0435	0.0114	0.0721	0.028566	0.005164
102.03	4.09667	9.96667	0.821065	0.0462	0.0112	0.0764	0.029599	0.005137
99.82	4.14333	10.0233	0.836804	0.0467	0.0108	0.0775	0.027969	0.010221
98.42	4.19	10.08	0.86843	0.046	0.0102	0.0772	0.030338	0.005059
98.44	4.24667	10.1933	0.86115	0.0454	0.0103	0.0771	0.031139	0.006711
96.12	4.30333	10.3067	0.888211	0.0496	0.0096	0.0765	0.035316	0.003333
100.48	4.36	10.42	0.871112	0.0502	0.0096	0.0754	0.031941	0.004983
98.85	4.40667	10.5167	0.896783	0.0519	0.0093	0.0768	0.033182	0.004959
96.77	4.45333	10.6133	0.926534	0.0549	0.0084	0.0754	0.033751	0.004934
96.53	4.5	10.71	0.942263	0.0581	0.0088	0.0764	0.032368	0.003273
92.34	4.55667	10.77	0.975377	0.0616	0.0085	0.0781	0.032775	0.004894

94.83	4.61333	10.83	0.962034	0.061	0.0087	0.0777	0.029217	0.006494
95.1	4.67	10.89	0.960333	0.0607	0.008	0.0803	0.030476	0.004839
89.25	4.71333	10.9	1.036731	0.0644	0.0076	0.0816	0.028814	0.006421
87.04	4.75667	10.91	1.075567	0.0645	0.0073	0.0822	0.031169	0.004785
89.21	4.8	10.92	1.111493	0.0629	0.0075	0.0831	0.02757	0.006349
96.83	4.83667	11.0233	1.00535	0.0629	0.0076	0.0838	0.022946	0.007886
97.24	4.87333	11.1267	1.001416	0.0641	0.008	0.0852	0.016559	0.00939
95.53	4.91	11.23	1.027902	0.0673	0.0084	0.0865	0.016523	0.007752
100.68	4.94667	11.3433	0.97626	0.0701	0.0072	0.0858	0.014671	0.007692
103.29	4.98333	11.4567	0.96006	0.0708	0.0079	0.0843	0.012025	0.006107
102.54	5.02	11.57	0.972258	0.0785	0.0073	0.086	0.012726	0.009105
93.15	5.03667	11.8233	1.062275	0.0799	0.007	0.0889	0.014376	0.009023
94.7	5.05333	12.0767	1.053527	0.0864	0.008	0.0877	0.014114	0.005961
96.11	5.07	12.33	1.045701	0.0908	0.0078	0.0898	0.014875	0.005926
99.93	5.11333	12.6533	1.003074	0.0935	0.0088	0.0886	0.01445	0.008837
96.28	5.15667	12.9767	1.040775	0.0932	0.0082	0.0908	0.012292	0.010219
101.59	5.2	13.3	1.033079	0.0948	0.0089	0.0902	0.011731	0.010116
101.76	5.24667	13.5267	1.041876	0.0946	0.0095	0.0922	0.011631	0.010014
99.08	5.29333	13.7533	1.083142	0.0961	0.0097	0.0903	0.014245	0.011331
102.91	5.34	13.98	1.057864	0.0906	0.0109	0.0877	0.012128	0.011204
103.81	5.39667	14.1967	1.052314	0.0924	0.0109	0.0895	0.009737	0.01108
109.32	5.45333	14.4133	1.003459	0.0952	0.0112	0.0907	0.011604	0.009589
109.32	5.51	14.63	1.013795	0.1026	0.011	0.0927	0.009439	0.009498
101.82	5.55667	14.7067	1.091946	0.117	0.0127	0.1034	0.010248	0.010753
106.16	5.60333	14.7833	1.083115	0.1179	0.0123	0.1009	0.010815	0.010638
107.94	5.65	14.86	1.06195	0.1204	0.0132	0.1012	0.010549	0.011842
114.16	5.7	15.0033	1.016955	0.12	0.0133	0.1114	0.011297	0.014304
113.66	5.75	15.1467	1.03193	0.1286	0.0119	0.1186	0.010827	0.012821
102.09	5.8	15.29	1.093732	0.152	0.0149	0.1239	0.011877	0.013924
106.29	5.84667	15.1733	1.05182	0.132	0.0215	0.1076	0.015347	0.009988
111.24	5.89333	15.0567	1.010049	0.0858	0.0218	0.1037	0.015052	0.009889
114.24	5.94	14.94	0.990183	0.0707	0.0213	0.1006	0.015304	0.009792
121.67	5.98333	14.84	0.91883	0.0806	0.0158	0.1074	0.020154	0.001212
122.38	6.02667	14.74	0.92152	0.0913	0.0151	0.114	0.01995	0.007264
125.46	6.07	14.64	0.921688	0.1027	0.0168	0.1185	0.023796	0.008413
127.47	6.1	14.7	0.929594	0.1162	0.0192	0.1231	0.022769	0.009535
140.52	6.13	14.76	0.865162	0.1373	0.0167	0.123	0.021949	0.010626
135.76	6.16	14.82	0.891503	0.1549	0.0193	0.1199	0.026816	0.009346
129.55	6.2	14.74	0.907239	0.1502	0.0222	0.1211	0.028695	0.009259
131.27	6.24	14.66	0.881816	0.1479	0.0202	0.1283	0.030009	0.009174
136	6.28	14.58	0.924921	0.1336	0.0201	0.1248	0.027939	0.006818
132.81	6.31667	14.7233	0.930594	0.1369	0.0168	0.1332	0.027352	0.005643
132.59	6.35333	14.8667	0.936224	0.163	0.0163	0.1265	0.028845	0.006734
131.21	6.39	15.01	0.950475	0.1473	0.0205	0.1304	0.027893	0.008919
130.92	6.43333	15.0967	0.974967	0.1495	0.0179	0.137	0.02559	0.01105
122.79	6.47667	15.1833	1.053354	0.1551	0.0145	0.1445	0.026992	0.00765
116.18	6.52	15.27	1.092379	0.147	0.0143	0.1482	0.021483	0.009761

121.89	6.55667	15.3	1.089086	0.1354	0.0171	0.1384	0.014897	0.003222
126.35	6.59333	15.33	1.044455	0.1086	0.0217	0.122	0.015673	0.004283
122.55	6.63	15.36	1.061143	0.1085	0.0232	0.1334	0.01191	0.003198
120.4	6.66	15.1767	1.065894	0.1228	0.0192	0.1415	0.010701	0.003188
113.11	6.69	14.9933	1.126287	0.1348	0.0191	0.1402	0.010506	0.003178
111.96	6.72	14.81	1.185751	0.1268	0.0224	0.1387	0.005548	0
116.44	6.75	14.5967	1.149983	0.127	0.0232	0.1348	0.002924	0.003168
111.88	6.78	14.3833	1.190424	0.1209	0.0238	0.1358	-0.00096	0.009474
109.61	6.81	14.17	1.201581	0.1247	0.0211	0.1412	0.001213	0.01147
107.09	6.82333	13.9667	1.20653	0.1135	0.0219	0.1352	-0.01155	0.005155
119.51	6.83667	13.7633	1.082424	0.0868	0.0261	0.1254	-0.00286	0.002051
120.42	6.85	13.56	1.088536	0.0792	0.0269	0.1183	0.000551	0
133.71	6.85667	13.2533	0.983745	0.0771	0.0261	0.1112	0.006558	0.004094
138.54	6.86333	12.9467	0.938727	0.0807	0.0262	0.1125	0.000958	-0.00102
140.64	6.87	12.64	0.932215	0.0794	0.0231	0.1095	0.00299	-0.00306
145.3	6.88333	12.5667	0.906944	0.0786	0.0215	0.1113	0.002195	0.002047
148.06	6.89667	12.4933	0.876849	0.0811	0.0194	0.106	0.000356	0.001021
152.96	6.91	12.42	0.780068	0.0835	0.0188	0.1083	0.005994	0.00102
164.42	6.92	12.4767	0.718888	0.0821	0.0178	0.1051	0.006627	0.007136
162.39	6.93	12.5333	0.734596	0.0819	0.0163	0.1112	0.010429	0.004049
168.11	6.94	12.59	0.721382	0.0879	0.0163	0.1119	0.015827	0.002016
162.56	6.96	12.8267	0.735061	0.0908	0.0124	0.1198	0.02538	0.004024
164.4	6.98	13.0633	0.724822	0.0934	0.0113	0.121	0.019475	0.003006
166.07	7	13.3	0.714848	0.09	0.0118	0.1157	0.023142	0.002997
163.55	7.03	13.5433	0.719474	0.0864	0.0121	0.1188	0.024707	0.003984
166.4	7.06	13.7867	0.69082	0.0876	0.012	0.1176	0.026601	0.002976
164.93	7.09	14.03	0.700359	0.09	0.0118	0.1197	0.02702	0.002967
163.41	7.12	14.44	0.722198	0.089	0.0145	0.118	0.030699	0.006903
157.06	7.15	14.85	0.763448	0.0909	0.0151	0.1217	0.026663	0.004897
159.18	7.18	15.26	0.762475	0.0952	0.0142	0.1253	0.024067	0.002924
160.05	7.22333	15.5733	0.758659	0.0969	0.015	0.1284	0.022644	0.003887
150.55	7.26667	15.8867	0.80391	0.0983	0.0146	0.1381	0.021474	0.001936
153.18	7.31	16.2	0.784352	0.0987	0.015	0.1374	0.001264	0.001932
150.66	7.33333	16.32	0.796392	0.1012	0.0171	0.1293	-0.0019	0.003857
166.68	7.35667	16.44	0.725428	0.1047	0.0176	0.127	-0.00314	0.002882
166.1	7.38	16.56	0.736051	0.1037	0.0169	0.1235	-0.00949	0.002874
166.09	7.43	16.5867	0.735642	0.0974	0.0131	0.1173	-0.01353	0.00382
163.58	7.48	16.6133	0.747052	0.0861	0.0119	0.1169	-0.02188	0.001903
167.24	7.53	16.64	0.733098	0.0806	0.0127	0.117	-0.0272	0.001899
179.63	7.57333	16.5567	0.690255	0.0776	0.0118	0.1127	-0.02991	0.001896
181.19	7.61667	16.4733	0.691739	0.0827	0.011	0.1209	-0.02452	0.005676
180.66	7.66	16.39	0.723646	0.0852	0.0113	0.1181	-0.02482	0.004704
179.83	7.68667	16.13	0.728662	0.0795	0.0128	0.1162	-0.02241	0.001873
189.55	7.71333	15.87	0.696893	0.0748	0.0143	0.1062	-0.02548	0.001869
191.85	7.74	15.61	0.68643	0.0695	0.0146	0.1055	-0.02661	0.002799
190.92	7.77333	15.4833	0.680322	0.0708	0.0146	0.1091	-0.02464	0.00186
188.63	7.80667	15.3567	0.687176	0.0714	0.0145	0.1068	-0.02423	0.001857

182.08	7.84	15.23	0.689959	0.071	0.0141	0.1082	-0.03129	0.001854
189.82	7.86	15.0233	0.667026	0.0716	0.0134	0.1051	-0.02707	0.0037
202.17	7.88	14.8167	0.622703	0.0724	0.0144	0.1011	-0.02772	0.004608
211.28	7.9	14.61	0.592693	0.071	0.0142	0.0956	-0.01947	0.004587
211.78	7.94	14.58	0.583517	0.0707	0.0139	0.0958	-0.01917	0.003653
226.92	7.98	14.55	0.536377	0.0706	0.0144	0.0841	-0.01791	-0.00182
238.9	8.02	14.52	0.519628	0.0656	0.015	0.0766	-0.01642	-0.00547
235.52	8.04667	14.5833	0.529714	0.0606	0.014	0.0782	-0.02459	-0.00367
247.35	8.07333	14.6467	0.503541	0.0615	0.012	0.0848	-0.02187	0.00276
250.84	8.1	14.71	0.499281	0.0621	0.0121	0.079	-0.0123	0.00367
236.12	8.14333	14.7567	0.532301	0.0583	0.0128	0.0809	-0.01129	0.000914
252.93	8.18667	14.8033	0.497803	0.0553	0.0146	0.0763	-0.00968	0.000913
231.32	8.23	14.85	0.534629	0.0521	0.0131	0.0827	-0.00514	0.00365
243.98	8.24667	14.7267	0.503246	0.0518	0.0138	0.0803	-0.00803	0.001818
249.22	8.26333	14.6033	0.493671	0.0535	0.0139	0.0779	-0.00213	0.001815
242.17	8.28	14.48	0.498431	0.0553	0.0148	0.0789	-0.01138	0.003623
274.08	8.3	14.6867	0.437897	0.0543	0.0136	0.0778	-0.00584	0.005415
284.2	8.32	14.8933	0.424912	0.0559	0.0127	0.0763	-0.00451	0.003591
291.7	8.34	15.1	0.42804	0.0559	0.0125	0.0795	-0.00222	0.003578
288.36	8.4	14.8733	0.431472	0.0564	0.0119	0.0859	0.004493	0.004456
290.1	8.46	14.6467	0.430491	0.0566	0.0118	0.088	0.006941	0.002662
304	8.52	14.42	0.407892	0.0567	0.012	0.0877	0.005202	0.004425
318.66	8.56667	14.9	0.383543	0.0569	0.0119	0.0907	0.001882	0.002643
329.8	8.61333	15.38	0.370454	0.0604	0.0113	0.0936	0.001997	0.004394
321.83	8.66	15.86	0.379967	0.064	0.0113	0.0992	0.00635	0.0035
251.79	8.71	16.4067	0.494851	0.0613	0.011	0.0926	0.010478	0.002616
230.3	8.76	16.9533	0.538027	0.0569	0.0122	0.0931	0.009898	0.003478
247.08	8.81	17.5	0.508812	0.0577	0.0118	0.092	0.013275	0.001733
257.07	8.85667	17.8633	0.503774	0.0581	0.0119	0.0852	0.008423	0.00346
267.82	8.90333	18.2267	0.476197	0.0566	0.0122	0.0854	0.008792	0.001724
258.89	8.95	18.59	0.50753	0.057	0.0118	0.0901	0.00608	0.002582
261.33	9.043333	19.61667	0.496474	0.0591	0.0123	0.0929	0.005064	0.006009
262.16	9.136667	20.64333	0.49677	0.0626	0.0114	0.0952	0.001347	0.00256
273.5	9.23	21.67	0.471119	0.0646	0.0114	0.0917	-0.0054	0.004255
272.02	9.306667	22.02333	0.473992	0.0673	0.0115	0.0947	-0.00282	0.004237
261.52	9.383333	22.37667	0.496641	0.0706	0.011	0.095	-0.00624	0.004219
271.91	9.46	22.73	0.47754	0.0724	0.0108	0.0917	-0.01	0.004202
278.97	9.55	23.07	0.469597	0.0735	0.009	0.0889	-0.01046	0.003347
273.7	9.64	23.41	0.477179	0.0776	0.0103	0.0923	-0.00776	0.003336
277.72	9.73	23.75	0.465284	0.0807	0.0108	0.0918	-0.02141	0.003325
297.47	9.813333	24.15333	0.430769	0.0827	0.0103	0.0903	-0.02236	0.004143
288.86	9.896667	24.55667	0.446778	0.0853	0.0097	0.0935	-0.02482	0.0033
294.87	9.98	24.96	0.468691	0.0882	0.0087	0.0929	-0.0231	0.004934
309.64	10.08667	25.04667	0.444435	0.0865	0.0082	0.0918	-0.0228	0.007365
320.52	10.19333	25.13333	0.433442	0.0843	0.0089	0.0878	-0.02804	0.004874
317.98	10.3	25.22	0.440563	0.0815	0.0093	0.0821	-0.02394	0.003234
346.08	10.42333	24.71	0.404035	0.0788	0.0094	0.0801	-0.02853	0.003223

351.45	10.54667	24.2	0.392727	0.079	0.0092	0.0841	-0.02481	0
349.15	10.67	23.69	0.39921	0.0775	0.009	0.0847	-0.02574	0.00241
340.36	10.79667	23.41667	0.406415	0.0764	0.0089	0.081	-0.02434	0.004808
345.99	10.92333	23.14333	0.397226	0.0769	0.0092	0.0808	-0.02702	0.003987
353.4	11.05	22.87	0.390455	0.0763	0.0096	0.0816	-0.01232	0.003177
329.08	11.14	22.47	0.414971	0.0764	0.0095	0.0865	-0.01379	0.009501
331.89	11.23	22.07	0.409173	0.0774	0.0092	0.0876	-0.01163	0.003922
339.94	11.32	21.67	0.471334	0.079	0.0084	0.0889	-0.01028	0.004687
330.8	11.43333	21.53333	0.480284	0.0777	0.0084	0.0924	-0.01013	0.002333
361.23	11.54667	21.39667	0.44357	0.0774	0.0094	0.0883	-0.00196	0.001552
358.02	11.66	21.26	0.442949	0.0773	0.0096	0.0864	-0.00047	0.006197
356.15	11.71667	21.42	0.439212	0.0762	0.0096	0.086	0.004919	0.004619
322.56	11.77333	21.58	0.488074	0.0745	0.01	0.092	0.001464	0.008429
306.05	11.83	21.74	0.52029	0.0736	0.0108	0.0914	0.001378	0.006839
304	11.91667	21.60667	0.522452	0.0717	0.0121	0.0898	-0.00047	0.006792
322.22	12.00333	21.47333	0.498506	0.0706	0.0132	0.0858	0.000914	0.002249
330.22	12.09	21.34	0.484497	0.0674	0.0138	0.0844	-0.00184	0.00374
343.93	12.09667	21.20667	0.466308	0.0622	0.0141	0.0837	0.000636	0.003726
367.07	12.10333	21.07333	0.44272	0.0594	0.0124	0.0841	0.001167	0.000742
375.22	12.11	20.94	0.457126	0.0591	0.0116	0.0844	0.003251	0
375.35	12.12333	20.43	0.46124	0.0565	0.0108	0.0837	0.005729	0.002226
389.83	12.13667	19.92	0.439967	0.0546	0.01	0.0845	0.006788	0.003701
371.16	12.15	19.41	0.458244	0.0557	0.0095	0.086	0.014071	0.00295
387.81	12.19333	18.88	0.440357	0.0558	0.0089	0.085	0.014666	0.001471
395.43	12.23667	18.35	0.43764	0.0533	0.009	0.0818	0.017176	0.002937
387.86	12.28	17.82	0.441532	0.0522	0.009	0.079	0.022992	0.002928
392.46	12.25333	17.20333	0.434003	0.0499	0.0094	0.0791	0.025248	0.00146
375.22	12.22667	16.58667	0.460154	0.0456	0.0097	0.0789	0.030414	0.004373
417.09	12.2	15.97	0.420344	0.0407	0.0095	0.073	0.031565	0.002903
408.79	12.24	16.04333	0.41323	0.038	0.0093	0.0776	0.031693	0.000724
412.7	12.28	16.11667	0.407631	0.0384	0.0094	0.0777	0.033312	0.002169
403.69	12.32	16.19	0.402106	0.0404	0.009	0.0797	0.041656	0.003608
414.95	12.32	16.47667	0.387303	0.0375	0.0088	0.0803	0.038421	0.002157
415.35	12.32	16.76333	0.382999	0.0363	0.0085	0.0781	0.037109	0.002152
408.14	12.32	17.05	0.392042	0.0366	0.0083	0.0765	0.042985	0.002863
424.21	12.34333	17.38	0.383349	0.0321	0.0077	0.0726	0.041408	0.002855
414.03	12.36667	17.71	0.399405	0.0313	0.007	0.0725	0.042875	0.002135
417.8	12.39	18.04	0.397657	0.0291	0.007	0.071	0.041182	0.002131
418.68	12.38667	18.39	0.403251	0.0286	0.0085	0.0741	0.040993	0.004252
431.35	12.38333	18.74	0.393626	0.0313	0.0086	0.0748	0.03789	0.002823
435.71	12.38	19.09	0.39411	0.0322	0.0083	0.0726	0.038733	0.001407
438.78	12.41333	19.34	0.393048	0.03	0.0076	0.0725	0.041658	0.003514
443.38	12.44667	19.59	0.38596	0.0293	0.0068	0.0698	0.040635	0.002101
451.67	12.48	19.84	0.333614	0.0295	0.0057	0.0702	0.037013	0.001398
440.19	12.49333	19.67	0.33435	0.0287	0.0068	0.0701	0.039719	0.003489
450.19	12.50667	19.5	0.324882	0.0296	0.0078	0.0701	0.040163	0.002782
450.53	12.52	19.33	0.325931	0.0307	0.0074	0.0668	0.041048	0.000693

448.13	12.52	19.69	0.323777	0.0304	0.0076	0.0656	0.0409	0.001386
463.56	12.52	20.05	0.313865	0.0302	0.0075	0.0623	0.040166	0.002076
458.93	12.52	20.41	0.322352	0.0295	0.0068	0.0627	0.041747	0.001381
467.83	12.54	20.90333	0.311363	0.0302	0.0064	0.0623	0.040381	0.004138
461.79	12.56	21.39667	0.311079	0.031	0.0073	0.0651	0.043854	0.002747
466.45	12.58	21.89	0.305267	0.0306	0.0076	0.0654	0.045749	0.002055
481.61	12.62333	22.16333	0.288059	0.0298	0.0073	0.0637	0.043691	0
467.14	12.66667	22.43667	0.299059	0.0325	0.0068	0.0682	0.045062	0.002734
445.77	12.71	22.71	0.307484	0.035	0.0065	0.0725	0.041917	0.002727
450.91	12.75333	23.54	0.303665	0.0368	0.0064	0.0745	0.039865	0.00068
456.51	12.79667	24.37	0.297469	0.0414	0.0063	0.0759	0.039659	0.002038
444.27	12.84	25.2	0.308417	0.0414	0.0068	0.0774	0.034012	0.002712
458.25	12.87	25.91	0.296985	0.0433	0.0069	0.0746	0.031222	0.003381
475.5	12.9	26.62	0.285684	0.0448	0.0067	0.0761	0.028717	0.004043
462.71	12.93	27.33	0.290905	0.0462	0.0064	0.08	0.029014	0.002013
472.35	13.01333	28.42	0.286071	0.0495	0.0063	0.0809	0.026011	0.00067
453.69	13.09667	29.51	0.298993	0.0529	0.0064	0.0808	0.022926	0.002677
459.27	13.18	30.6	0.291568	0.056	0.0064	0.0799	0.016595	0.002003
470.42	13.18	31.25	0.290854	0.0571	0.0062	0.078	0.015093	0.002665
487.39	13.18	31.9	0.27873	0.0577	0.0059	0.0758	0.014532	0.002658
500.71	13.18	32.55	0.313877	0.0573	0.0058	0.0755	0.014397	0.001988
514.71	13.24333	33.17667	0.301995	0.0565	0.0057	0.0745	0.013012	0.003968
533.4	13.30667	33.80333	0.292264	0.0567	0.0055	0.0677	0.010737	0.001976
544.75	13.37	34.43	0.28643	0.0547	0.006	0.067	0.008266	0.001972
562.06	13.44	34.68	0.27716	0.0542	0.0063	0.0691	0.007058	0.001312
561.88	13.51	34.93	0.283046	0.054	0.0062	0.0674	0.009117	0.001966
584.41	13.58	35.18	0.272495	0.0528	0.0061	0.0663	0.006376	0.001308
581.5	13.65	34.77333	0.27442	0.0528	0.0063	0.0641	0.012219	0.002613
605.37	13.72	34.36667	0.257169	0.0536	0.0066	0.0623	0.016989	0.001303
615.93	13.79	33.96	0.255026	0.0514	0.0067	0.0603	0.015641	0.001301
636.02	13.89333	33.98667	0.241877	0.05	0.0066	0.0609	0.016242	0.005198
640.43	13.99667	34.01333	0.237895	0.0483	0.0064	0.0659	0.016915	0.001939
645.5	14.1	34.04	0.2393	0.0496	0.0068	0.0684	0.017004	0.003226
654.17	14.15667	34.33	0.240076	0.0495	0.0069	0.0706	0.021237	0.003859
669.12	14.21333	34.62	0.236924	0.0502	0.0068	0.0717	0.026502	0.001922
670.63	14.27	34.91	0.236444	0.0509	0.0069	0.0703	0.0273	0.001918
639.95	14.4	35.27333	0.24182	0.0515	0.007	0.0707	0.031223	0.001914
651.99	14.53	35.63667	0.238061	0.0505	0.0072	0.0726	0.030973	0.001274
687.31	14.66	36	0.227297	0.0509	0.0069	0.0704	0.029658	0.003181
705.27	14.74	36.91	0.221748	0.0499	0.0068	0.0671	0.025728	0.003171
757.02	14.82	37.82	0.205008	0.0503	0.0069	0.0643	0.022041	0.003161
740.74	14.9	38.73	0.207343	0.0491	0.0069	0.0673	0.024101	0.00252
786.16	14.95333	39.23333	0.19624	0.0503	0.0067	0.0689	0.02438	0.001886
790.82	15.00667	39.73667	0.194395	0.0501	0.0063	0.0694	0.022885	0.001882
757.12	15.06	40.24	0.21478	0.0514	0.0063	0.0723	0.02112	0.000626
801.34	15.09333	40.34333	0.201741	0.0516	0.0061	0.0705	0.016916	0.000626
848.28	15.12667	40.44667	0.192879	0.0505	0.0062	0.0701	0.013265	0

885.14	15.16	40.55	0.184288	0.0493	0.0061	0.0688	0.010847	0.001876
954.29	15.21667	40.58	0.171965	0.0505	0.0061	0.0637	0.011608	0.001248
899.47	15.27333	40.61	0.185505	0.0514	0.006	0.0672	0.012892	0.002494
947.28	15.33	40.64	0.177968	0.0495	0.0055	0.0649	0.014651	0.002488
914.62	15.38333	40.33333	0.190001	0.0497	0.0057	0.0623	0.016281	0.001861
955.4	15.43667	40.02667	0.180746	0.0514	0.0055	0.0614	0.015686	0.001238
970.43	15.49	39.72	0.178801	0.0516	0.0056	0.0602	0.015579	0.000618
980.28	15.54	39.66	0.17884	0.0504	0.0058	0.0589	0.013758	0.001236
1049.34	15.59	39.6	0.165463	0.0509	0.0058	0.0599	0.012074	0
1101.75	15.64	39.54	0.18114	0.0503	0.006	0.0602	0.016506	0
1111.75	15.74333	39.35	0.175873	0.0495	0.0064	0.0604	0.016427	0.001235
1090.82	15.84667	39.16	0.179102	0.05	0.0061	0.0592	0.019099	0.002466
1133.84	15.95	38.97	0.178061	0.0498	0.006	0.0576	0.024031	0.00123
1120.67	16.01667	38.67667	0.179438	0.0496	0.006	0.0584	0.025363	0.002457
957.28	16.08333	38.38333	0.211432	0.049	0.0062	0.0547	0.02853	0.001225
1017.01	16.15	38.09	0.203248	0.0461	0.0069	0.0517	0.024092	0.000612
1098.67	16.16667	37.96333	0.185519	0.0396	0.0081	0.054	0.020749	0.002446
1163.63	16.18333	37.83667	0.174847	0.0441	0.0093	0.0535	0.022012	0.00122
1229.23	16.2	37.71	0.173611	0.0439	0.0101	0.0542	0.020063	0.001828
1279.64	16.28333	37.93333	0.170321	0.0434	0.0105	0.0536	0.015594	0.001825
1238.33	16.36667	38.15667	0.171277	0.0444	0.0099	0.0587	0.018453	0
1286.37	16.45	38.38	0.172897	0.0444	0.0091	0.0592	0.020676	0.000607
1335.18	16.45	39.26	0.156826	0.0429	0.0084	0.0594	0.025188	0.006675
1301.84	16.45	40.14	0.160231	0.045	0.0079	0.0615	0.025906	0.000603
1372.71	16.45	41.02	0.154227	0.0457	0.0079	0.0627	0.018876	0
1328.72	16.51333	42	0.158796	0.0455	0.0076	0.0639	0.019437	0.004217
1320.41	16.57667	42.98	0.156243	0.0472	0.0075	0.0649	0.018956	0.0024
1282.71	16.64	43.96	0.163684	0.0468	0.0081	0.0646	0.020459	0.004189
1362.93	16.65667	45.36333	0.157691	0.0486	0.0083	0.0651	0.020521	0.001788
1388.91	16.67333	46.76667	0.155546	0.0507	0.0079	0.0662	0.018355	0.001785
1469.25	16.69	48.17	0.147167	0.052	0.0064	0.0682	0.017962	0.002375
1394.46	16.71333	49.09667	0.154654	0.0532	0.0055	0.0666	0.025436	0.002962
1366.42	16.73667	50.02333	0.167056	0.0555	0.0061	0.0646	0.027499	0.004135
1498.58	16.76	50.95	0.149974	0.0569	0.0069	0.0618	0.018364	0.005882
1452.43	16.74	51.27333	0.1526	0.0566	0.0076	0.063	0.012025	-0.00058
1420.6	16.72	51.59667	0.155669	0.0579	0.0091	0.064	0.009258	0.001755
1454.6	16.7	51.92	0.156778	0.0569	0.0081	0.0622	0.007203	0.005841
1430.83	16.58	52.51333	0.155674	0.0596	0.007	0.0611	0.004734	0.002904
1517.68	16.46	53.10667	0.146053	0.0609	0.0071	0.0594	0.004689	0
1436.51	16.34	53.7	0.153789	0.06	0.0073	0.0612	0.004484	0.005211
1429.4	16.31667	52.46667	0.149301	0.0611	0.0079	0.06	0.003758	0.001728
1314.95	16.29333	51.23333	0.157281	0.0617	0.0083	0.0576	0.001169	0.001725
1320.28	16.27	50	0.151852	0.0577	0.0081	0.0558	-0.00225	0.002296
1366.01	16.17	48.48	0.15045	0.0515	0.0078	0.0562	-0.00318	0.005727
1239.94	16.07	46.96	0.15607	0.0488	0.0077	0.0549	-0.00684	0.002278
1160.33	15.97	45.44	0.133114	0.0442	0.0086	0.0559	-0.0052	0.000568
1249.46	15.87667	42.55667	0.122497	0.0387	0.0087	0.0593	-0.00254	0.001704

1255.82	15.78333	39.67333	0.12051	0.0362	0.0078	0.0594	-0.00025	0.005102
1224.42	15.69	36.79	0.125209	0.0349	0.0079	0.059	0.005047	0.002256
1211.23	15.70667	33.96333	0.124967	0.0351	0.0084	0.0561	0.007915	-0.00169
1133.58	15.72333	31.13667	0.132164	0.0336	0.0083	0.0546	0.00992	0
1040.94	15.74	28.31	0.148629	0.0264	0.0086	0.0542	0.008668	0.003946
1059.78	15.74	27.10333	0.144901	0.0216	0.0088	0.0506	0.010749	-0.00281
1139.45	15.74	25.89667	0.133481	0.0187	0.0084	0.0553	0.011162	-0.00056
1148.08	15.74	24.69	0.131218	0.0169	0.0128	0.0575	0.013467	-0.00056
1130.2	15.73667	24.69333	0.132561	0.0165	0.0132	0.0569	0.011194	0.001691
1106.73	15.73333	24.69667	0.130119	0.0173	0.0138	0.0563	0.012502	0.001688
1147.39	15.73	24.7	0.236833	0.0179	0.013	0.0604	0.013762	0.002809
1076.92	15.83333	25.38	0.247732	0.0172	0.0127	0.0575	0.015111	0.004482
1067.14	15.93667	26.06	0.248256	0.0173	0.0134	0.0578	0.022286	0.001115
989.81	16.04	26.74	0.266573	0.017	0.0132	0.0566	0.027527	0.000557
911.62	15.96033	27.84	0.282032	0.0168	0.0137	0.0544	0.028451	0.002227
916.07	15.88067	28.94	0.284412	0.0162	0.0121	0.051	0.025483	0.002778
815.29	15.801	30.04	0.324555	0.0163	0.0125	0.048	0.029393	0.001662
885.76	15.893	29.22333	0.293437	0.0158	0.0141	0.0508	0.025778	0.002212
936.31	15.985	28.40667	0.276975	0.0123	0.0131	0.0521	0.023009	0.001656
879.82	16.077	27.59	0.295386	0.0119	0.0124	0.0484	0.025838	0.001653
855.7	16.12767	28.5	0.305942	0.0117	0.0118	0.0495	0.028397	0.0044
841.15	16.17833	29.41	0.312251	0.0117	0.0111	0.0472	0.028019	0.005476
848.18	16.229	30.32	0.286118	0.0113	0.0106	0.0486	0.024203	0.001634
916.92	16.20767	31.73	0.269654	0.0113	0.0111	0.0481	0.020065	-0.00381
963.59	16.18633	33.14	0.258376	0.0107	0.0116	0.0436	0.006534	-0.00164
974.51	16.165	34.55	0.254488	0.0092	0.0122	0.0452	0.001343	0.001093
990.31	16.30533	35.89333	0.247643	0.009	0.0113	0.0542	0.000354	0.003277
1008.01	16.44567	37.23667	0.242856	0.0095	0.0113	0.0532	0.002313	0.004355
995.97	16.586	38.58	0.246542	0.0094	0.0107	0.049	0.007321	0.003252
1050.71	16.85233	41.96667	0.233309	0.0092	0.0103	0.0518	0.00721	-0.00108
1058.2	17.11867	45.35333	0.233754	0.0093	0.0101	0.0519	0.010001	0.000541
1111.92	17.385	48.74	0.21874	0.009	0.0098	0.0511	0.006946	0.002703
1131.13	17.59767	49.82667	0.218028	0.0088	0.009	0.0499	0.006842	0.004313
1144.94	17.81033	50.91333	0.216053	0.0093	0.0077	0.0483	0.009328	0.002147
1126.21	18.023	52	0.281731	0.0094	0.0078	0.0474	0.012246	0.002142
1107.3	18.21567	53.38333	0.285372	0.0094	0.0073	0.0531	0.01373	0.001603
1120.68	18.40833	54.76667	0.286412	0.0102	0.0071	0.0539	0.015146	0.004269
1140.84	18.601	56.15	0.279632	0.0127	0.0077	0.0532	0.014497	0.003719
1101.72	18.78833	56.69	0.287788	0.0133	0.008	0.0523	0.014726	0.001059
1104.24	18.97567	57.23	0.286821	0.0148	0.0081	0.0493	0.014284	0.000529
1114.58	19.163	57.77	0.289485	0.0165	0.0081	0.0488	0.009135	0.003171
1130.2	19.25533	58.03	0.29101	0.0176	0.0074	0.0478	0.007431	0.005269
1173.82	19.34767	58.29	0.279832	0.0207	0.0068	0.0502	0.012181	0.004717
1211.92	19.44	58.55	0.270619	0.0219	0.0068	0.0484	0.013	0
1181.27	19.702	59.14	0.27818	0.0233	0.0066	0.0465	0.01359	-0.00052
1203.6	19.964	59.73	0.271041	0.0254	0.0062	0.0479	0.011794	0.004175
1180.59	20.226	60.32	0.319857	0.0274	0.0066	0.0488	0.009135	0.003638

1156.85	20.45933	61.33333	0.329624	0.0278	0.0072	0.0461	0.007974	0.003107
1191.5	20.69267	62.34667	0.320966	0.0284	0.0086	0.044	0.00588	-0.00052
1191.33	20.926	63.36	0.326979	0.0297	0.009	0.0429	0.005363	0.000517
1234.18	21.109	64.43	0.315734	0.0322	0.0089	0.0456	0.00449	0.006195
1220.33	21.292	65.5	0.320533	0.0344	0.0087	0.0432	0.005417	0.006157
1228.81	21.475	66.57	0.317892	0.0342	0.009	0.0464	0.006736	0.013768
1207.01	21.72333	67.69	0.321808	0.0371	0.0095	0.0484	0.005761	0.001509
1249.48	21.97167	68.81	0.310914	0.0388	0.0097	0.0481	0.005781	-0.00502
1248.29	22.22	69.93	0.313478	0.0389	0.0095	0.0461	0.003079	0
1280.08	22.40833	70.84333	0.309226	0.0424	0.0095	0.0474	-0.00041	0.006058
1280.66	22.59667	71.75667	0.30561	0.0443	0.0092	0.0457	0.002069	0.000502
1294.87	22.785	72.67	0.316009	0.0451	0.0088	0.0507	0.002177	0.001505
1310.61	23.00333	73.27667	0.308842	0.046	0.0084	0.0532	-0.00345	0.005008
1270.09	23.22167	73.88333	0.31434	0.0472	0.008	0.0535	-0.00263	0.00299
1270.2	23.44	74.49	0.31485	0.0479	0.0089	0.0531	-0.00216	0.002484
1276.66	23.65867	75.85	0.313852	0.0495	0.0091	0.0518	-0.00235	0.005451
1303.82	23.87733	77.21	0.308462	0.0496	0.0091	0.0496	-0.00846	0.004436
1335.85	24.096	78.57	0.300593	0.0481	0.0092	0.0484	-0.00944	-0.00491
1377.94	24.35767	79.55	0.290599	0.0492	0.0091	0.0481	-0.00888	-0.00444
1400.63	24.61933	80.53	0.287242	0.0494	0.0087	0.0467	-0.01503	0.000495
1418.3	24.881	81.51	0.281682	0.0485	0.009	0.0491	-0.01489	0.005446
1438.24	25.08433	82.05667	0.278144	0.0498	0.0094	0.0502	-0.0139	0.001659
1406.82	25.28767	82.60333	0.286148	0.0503	0.0089	0.0477	-0.01513	0.003878
1420.86	25.491	83.15	0.26905	0.0494	0.0097	0.0493	-0.01248	0.0052
1482.37	25.716	83.75	0.254456	0.0487	0.0092	0.0489	-0.0089	0.003001
1530.62	25.941	84.35	0.243911	0.0473	0.0092	0.051	-0.01027	0.004133
1503.35	26.166	84.95	0.247896	0.0461	0.0091	0.0521	-0.01102	0.002317
1455.27	26.43533	82.83358	0.251585	0.0482	0.0092	0.0501	-0.01525	0.001781
1473.99	26.70467	80.71716	0.24884	0.042	0.0086	0.0487	-0.01219	0.000308
1526.75	26.974	78.60074	0.239207	0.0389	0.0085	0.0489	-0.01303	0.004238
1549.38	27.22633	74.4605	0.238617	0.039	0.0082	0.048	-0.01798	0.003083
1481.14	27.47867	70.32025	0.24858	0.0327	0.0096	0.0445	-0.02559	0.007859
1468.36	27.731	66.18	0.250583	0.03	0.0116	0.045	-0.04185	0.002898
1378.55	27.921	64.25025	0.262754	0.0275	0.0121	0.0436	-0.04443	0.003448
1330.63	28.111	62.3205	0.270979	0.0212	0.0129	0.0438	-0.05077	0.002418
1322.7	28.301	60.39074	0.254058	0.0126	0.0138	0.0432	-0.05302	0.003578
1385.59	28.438	57.38383	0.243015	0.0129	0.0142	0.0458	-0.04998	0.002314
1400.38	28.575	54.37691	0.246511	0.0173	0.0136	0.0475	-0.04652	0.005917
1280	28.712	51.37	0.274491	0.0186	0.0139	0.046	-0.04859	0.010478
1267.38	28.75933	49.56333	0.273816	0.0163	0.0149	0.0465	-0.04812	0.007141
1282.83	28.80667	47.75667	0.269889	0.0172	0.0151	0.0449	-0.04763	-0.00149
1166.36	28.854	45.95	0.287124	0.0113	0.0166	0.0443	-0.05072	0.000855
968.75	28.69833	35.59333	0.334099	0.0067	0.026	0.0478	-0.05797	-0.0086
896.24	28.54267	25.23667	0.352867	0.0019	0.0309	0.0372	-0.05434	-0.01771
903.25	28.387	14.88	0.354984	0.0003	0.0338	0.0303	-0.02487	-0.00823
825.88	28.009	12.20667	0.389393	0.0013	0.0309	0.0394	-0.02544	0.002531
735.09	27.631	9.533333	0.441103	0.003	0.0281	0.0401	-0.02543	0.003643

797.87	27.253	6.86	0.296528	0.0021	0.0292	0.0355	-0.03789	-0.00099
872.81	26.69967	7.076667	0.276228	0.0016	0.03	0.041	-0.03148	0.001007
919.14	26.14633	7.293333	0.265432	0.0018	0.0252	0.0432	-0.02488	0.001471
919.32	25.593	7.51	0.267108	0.0018	0.0189	0.0429	-0.02262	0.0083
987.48	25.02843	9.186667	0.246005	0.0018	0.0168	0.043	-0.01427	-0.0003
1020.62	24.46387	10.86333	0.237594	0.0017	0.0132	0.0415	-0.00824	0.003348
1057.08	23.8993	12.54	0.23231	0.0012	0.0118	0.0403	7.32E-05	0.001931
1036.19	23.40196	25.35	0.232299	0.0007	0.0114	0.042	0.003157	0.003002
1095.63	22.90463	38.16	0.218105	0.0005	0.0113	0.0406	0.007462	0.003349
1115.1	22.40729	50.97	0.216365	0.0005	0.0111	0.0458	0.01054	0.00052
1073.87	22.24096	54.29	0.224117	0.0006	0.0099	0.044059	0.013355	0.000649
1104.49	22.07462	57.61	0.218518	0.0011	0.0099	0.044071	0.013867	-0.00095
1169.43	21.90829	60.93	0.381878	0.0015	0.01	0.045778	0.026334	0.000331
1186.69	21.95296	62.98667	0.376606	0.0016	0.0096	0.043736	0.026615	0.00023
1089.41	21.99762	65.04333	0.409003	0.0016	0.0109	0.040681	0.02568	-0.00052
1030.71	22.04229	67.1	0.424177	0.0012	0.0135	0.037607	0.018712	-0.00042
1101.6	22.14686	68.68667	0.396134	0.0016	0.0129	0.037658	0.015504	0.001869
1049.33	22.25143	70.27333	0.413982	0.0016	0.0117	0.032708	0.011106	0.001461
1141.2	22.356	71.86	0.384306	0.0015	0.0113	0.034063	0.003226	0.001615
1183.26	22.48067	73.69	0.372887	0.0013	0.0104	0.036716	0.007122	0.003482
1180.55	22.60533	75.52	0.376695	0.0014	0.0105	0.038026	0.014747	0.002534
1257.64	22.73	77.35	0.3581	0.0014	0.0108	0.041378	0.012555	0.004017
1286.12	22.96367	78.67	0.348632	0.0015	0.0105	0.0432	0.015307	0.003066
1327.22	23.19733	79.99	0.339097	0.0013	0.0093	0.0426	0.015881	0.003419
1325.83	23.431	81.31	0.35427	0.001	0.009	0.0429	0.012445	0.005137
1363.61	23.73433	82.16333	0.340697	0.0006	0.0086	0.0416	0.009355	0.004555
1345.2	24.03767	83.01667	0.347222	0.0004	0.0082	0.0391	0.009086	0.003611
1320.64	24.341	83.87	0.35157	0.0004	0.0076	0.0404	0.011718	-0.00012
1292.28	24.621	84.90667	0.359419	0.0004	0.0083	0.0366	0.012369	0.002571
1218.89	24.901	85.94333	0.375813	0.0002	0.0099	0.0314	0.012767	0.002941
1131.42	25.181	86.98	0.399923	0.0001	0.0118	0.0265	0.013201	0.002627
1253.3	25.59567	86.97	0.365078	0.0002	0.0139	0.0288	0.007911	0.000596
1246.96	26.01033	86.96	0.36233	0.0001	0.0127	0.0271	-0.00435	0.001525
1257.6	26.425	86.95	0.357233	0.0001	0.0132	0.0248	-0.0065	-5.28E-05
1312.41	26.73433	87.48	0.345487	0.0003	0.0138	0.0249	-0.01309	0.002703
1365.68	27.04367	88.01	0.336974	0.0009	0.0129	0.0269	-0.01448	0.002309
1408.47	27.353	88.54	0.346182	0.0008	0.0124	0.029	-0.01379	0.002545
1397.91	27.67533	88.33333	0.34614	0.0008	0.0123	0.0261	-0.01242	0.001337
1310.33	27.99767	88.12667	0.369047	0.0009	0.0127	0.0219	-0.01608	-0.00169
1362.16	28.32	87.92	0.355104	0.0009	0.0138	0.0225	-0.01983	-0.00069
1379.32	28.74333	87.44667	0.351594	0.001	0.0147	0.0206	-0.02111	-0.00018
1406.58	29.16667	86.97333	0.349387	0.001	0.0143	0.0218	-0.02055	0.005805
1440.67	29.59	86.5	0.340383	0.0011	0.0135	0.0226	-0.01826	0.005189
1412.16	30.14233	86.50333	0.349237	0.001	0.0111	0.0236	-0.01644	0.002756
1416.18	30.69467	86.50667	0.351138	0.0009	0.0101	0.0219	-0.01281	-0.00233
1426.19	31.247	86.51	0.349032	0.0007	0.0098	0.0241	-0.01227	-0.00016
1498.11	31.534	86.90667	0.329984	0.0007	0.0093	0.0286	-0.00868	0.001207

1514.68	31.821	87.30333	0.325431	0.001	0.0095	0.0279	-0.00953	0.005872
1569.19	32.108	87.7	0.34613	0.0009	0.0092	0.0284	-0.00955	-0.0024
1597.57	32.494	88.78333	0.340036	0.0006	0.0086	0.0257	-0.00867	-0.00247
1630.74	32.88	89.86667	0.333833	0.0004	0.0084	0.0298	-0.00469	0.001373
1606.28	33.266	90.95	0.338444	0.0005	0.0092	0.0329	0.000141	0.002556
1685.73	33.64567	92.09	0.325563	0.0004	0.0098	0.0337	0.00839	0.001707
1632.97	34.02533	93.23	0.340713	0.0004	0.0088	0.0348	0.010357	0.001859
1681.55	34.405	94.37	0.333521	0.0002	0.0083	0.0342	0.010142	0.001542
1756.54	34.6	96.31333	0.324595	0.0005	0.0078	0.0334	0.009647	0.000556
1805.81	34.795	98.25667	0.313685	0.0007	0.0075	0.0354	0.010346	0.000577
1848.36	34.99	100.2	0.304408	0.0007	0.0076	0.0367	0.012184	0.002816
1782.59	36.23	100.85	0.321429	0.0004	0.007	0.0335	0.013792	0.001836
1859.45	36.23	100.85	0.309163	0.0005	0.0065	0.0338	0.016615	0.00097
1872.34	36.23	100.85	0.350616	0.0005	0.0068	0.0331	0.016464	0.001844
1883.95	37.38	103.12	0.348011	0.0003	0.0066	0.0324	0.016697	0.001908
1923.57	37.38	103.12	0.345173	0.0003	0.006	0.0307	0.014027	0.003005
1960.23	37.38	103.12	0.342928	0.0004	0.0055	0.0307	0.013931	0.00168
1930.67	38.49	105.96	0.34838	0.0003	0.0057	0.0301	0.008473	0.001045
2003.37	38.49	105.96	0.337476	0.0003	0.0061	0.0281	0.00677	-0.00079
1927.29	38.49	105.96	0.338576	0.0002	0.0069	0.0295	0.008025	0.000914
2018.05	39.44	102.31	0.331808	0.0002	0.0077	0.0273	0.008069	0.000534
2067.56	39.44	102.31	0.323662	0.0002	0.0087	0.0263	0.006926	-0.00289
2058.9	39.44	102.31	0.323756	0.0003	0.0095	0.024	0.005646	-0.0033

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0.0055	0.0069	0.00311
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0.0035	0.0054	0.002458
0.0016	0.0023	0.00249
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-0.0069	-0.0015	0.001407
-0.0062	-0.0093	0.001137
0.0138	0.0205	0.001408
0.0099	0.0114	0.000582
-0.008	-0.0057	0.000255
0.001	-0.0145	0.001511
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0.0014	-0.0085	0.000932
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-0.007	0.0063	0.00029
-0.013	-0.0018	0.000441
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-0.0049	-0.0073	0.000376
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0.0073	-0.0018	0.000745
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0.0419	0.056	0.00154
0.0359	0.0341	0.001421
-0.0476	-0.0429	0.00139
-0.0432	-0.0445	0.001757
-0.0262	-0.0237	0.00272
-0.0263	-0.0159	0.002266
0.01	0.0017	0.002454
0.0352	0.0248	0.002922
-0.0115	-0.013	0.00163
-0.0435	-0.0269	0.001551
0.0384	0.0311	0.00208
-0.0518	-0.0769	0.000848
0.0622	0.0595	0.000954
-0.0179	0.0023	0.001063
-0.0353	-0.0372	0.001066
-0.0386	-0.0345	0.001858
-0.0145	-0.0199	0.002764

0.0829	0.0521	0.002122
0.141	0.1267	0.001499
-0.0713	-0.058	0.000858
0.0046	-0.0129	0.002549
0.0182	0.0312	0.001922
0.0231	0.0306	0.001715
0.0373	0.0338	0.001258
0.0034	0.0245	0.000862
-0.0223	-0.0468	0.001508
0.0501	0.054	0.000945
0.0781	0.0837	0.006363
0.0618	0.0623	0.002159
0.0634	0.0759	0.006244
-0.0002	0.0201	0.005584
0.0312	0.0108	0.002511
-0.0309	-0.0094	0.003215
0.0492	0.0428	0.001913
-0.0094	0.0072	0.001562
0.035	0.0548	0.001408
-0.0386	-0.0324	0.001096
0.0039	-0.0046	0.001377
-0.0486	-0.0455	0.002195
0.002	0.0051	0.001309
0.0505	0.0392	0.001026
-0.0132	-0.0025	0.001106
0.0183	0.0142	0.000844
-0.0059	-0.0033	0.000495
0.0244	0.027	0.000776
-0.0178	-0.0172	0.001965
-0.0156	-0.0235	0.001343
-0.0105	-0.0073	0.001049
-0.0516	-0.0483	0.000942
0.015	0.0199	0.001669
0.0693	0.0586	0.000869
0.0266	0.0307	0.003128
0.0342	0.0314	0.000922
0.0561	0.0572	0.001276
0.0118	0.0212	0.001018
0.0091	0.0128	0.001125
0.0364	0.0325	0.001639
-0.0493	-0.0373	0.000745
0.0307	0.0179	0.000785
0.0242	0.0296	0.000472
0.0896	0.082	0.000836
0.0142	0.0083	0.00069
-0.018	-0.0121	0.000697
0.0259	0.026	0.000602

-0.0021	0.0071	0.000855
0.0338	0.0329	0.00091
0.0401	0.037	0.000936
0.0541	0.0469	0.00126
-0.0025	0.0045	0.001907
0.1145	0.0752	0.001043
0.077	0.0256	0.001305
-0.008	0.0016	0.002489
-0.0505	-0.0164	0.001396
0.0613	0.0218	0.001501
-0.0108	0.0031	0.00244
0.0499	0.0275	0.001246
-0.05	-0.0114	0.004141
0.0289	0.0189	0.000986
0.0267	0.0233	0.001725
-0.0018	0.0117	0.001247
0.0161	0.0216	0.002554
0.0202	0.0058	0.001398
-0.0223	-0.0087	0.001946
-0.0473	-0.0502	0.004243
-0.0105	-0.0052	0.002472
0.0098	0.0155	0.001062
-0.0178	-0.0119	0.00077
-0.0165	-0.0075	0.001776
-0.0369	-0.0422	0.002499
0.0623	0.0507	0.065484
0.0037	0.0125	0.006744
0.0165	0.0212	0.006714
0.0666	0.0517	0.009115
0.0052	0.0138	0.001994
-0.0307	-0.0188	0.001645
-0.016	-0.0149	0.00342
-0.0102	-0.0057	0.002471
0.0368	0.0379	0.0023
-0.017	-0.0111	0.00187
0.0058	0.0054	0.001392
0.0345	0.0326	0.001156
0.0308	0.0273	0.001585
-0.0196	-0.0169	0.001341
0.011	0.0039	0.000579
0.0203	0.0202	0.00093
-0.0179	-0.0129	0.001142
0.0122	0.0064	0.001255
0.0159	0.0213	0.000868
0.0401	0.0379	0.001057
0.055	0.0395	0.001423
0.0238	0.0178	0.000981

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0.0379	0.0276	0.00551
0.0078	0.007	0.000847
-0.0006	0.0006	0.000885
-0.0343	-0.0191	0.00286
-0.0025	-0.0012	0.001013
-0.0044	-0.0011	0.001029
-0.0202	-0.0191	0.000974
0.0415	0.0385	0.001325
0.023	0.0216	0.001333
0.0107	0.0102	0.001259
-0.0419	-0.0292	0.00595
0.0117	0.0091	0.001977
0.0215	0.0132	0.004553
0.0402	0.0285	0.002406
0.0187	0.0167	0.000776
0.013	0.015	0.003169
0.003	0.0121	0.002386
0.0038	0.0108	0.001373
0.014	0.0138	0.002039
0	0.0039	0.001601
-0.0063	-0.0018	0.001157
0.0157	0.0167	0.001064
0.034	0.0275	0.002004
0.0303	0.0271	0.000496
0.0054	0.0043	0.001108
0.0082	0.0106	0.002038
0.0581	0.0436	0.002034
-0.0324	-0.0173	0.000884
0.0051	0.0096	0.000891
-0.0094	-0.0073	0.000448
0.0016	0.0016	0.001629
0.0243	0.0254	0.000686
0.02	0.0156	0.000732
0.0398	0.0308	0.00087
0.0067	0.009	0.000377
0.0185	0.0099	0.000872
-0.0198	-0.0156	0.000939
0.001	0.0069	0.00048
0.0246	0.0228	0.000448
0.028	0.025	0.00032
0.0354	0.0256	0.001164
0.0021	0.0025	0.000988
0.0072	0.0052	0.001012
0.0047	0.002	0.000807
0.0449	0.0293	0.000557

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0.0434	0.0287	0.000279
0.0005	0.0043	0.000448
0.0096	0.0051	0.000293
-0.0259	-0.0188	0.000575
0.002	0.0067	0.000255
0.0257	0.0202	0.000407
-0.045	-0.0286	0.001029
-0.0395	-0.0383	0.000896
-0.015	-0.0097	0.001343
-0.0082	-0.0062	0.000769
-0.01	-0.0081	0.00078
0.0363	0.0309	0.00033
-0.0086	-0.0031	0.000547
-0.0331	-0.0265	0.000772
-0.0025	-0.005	0.001138
0.0066	0.0018	0.000841
0.0161	0.0157	0.000694
0.0273	0.0256	0.000289
0.0287	0.0289	0.000455
0.0091	0.0095	0.000494
0.0169	0.0175	0.000248
0.079	0.0631	0.001007
0.0139	0.0079	0.000668
-0.0168	-0.0101	0.000771
0.0236	0.0214	0.000212
0.0175	0.0153	0.000371
0.0294	0.0185	0.000479
0.0249	0.0242	0.000529
0.0272	0.0228	0.000796
-0.0011	0.0014	0.001366
-0.0483	-0.0373	0.001237
-0.021	-0.013	0.001709
-0.0165	-0.016	0.000993
-0.0054	0.0005	0.001112
0.0203	0.0172	0.0004
0.0018	0.001	0.002358
-0.0139	-0.007	0.001148
0.029	0.0259	0.000699
0.0404	0.0361	0.000597
0.0351	0.0263	0.000725
-0.0256	-0.0186	0.001729
-0.0079	-0.0028	0.001343
0.0005	0.0028	0.001483
-0.0252	-0.0221	0.00201
0.0255	0.0184	0.003023
0.0097	0.0128	0.001939

0.0195	0.0187	0.001944
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0.0316	0.0226	0.002548
0.0341	0.0191	0.008946
0.0148	0.0101	0.002628
0.0184	0.0163	0.002197
0.02	0.0137	0.002485
-0.0072	-0.0007	0.001024
0.0025	0.0038	0.001101
0.0026	0.0053	0.001619
0.0182	0.0167	0.000936
0.0228	0.0115	0.002096
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0.0395	0.0413	0.00979
-0.0218	-0.019	0.005299
0.0097	0.027	0.001969
-0.0032	0.001	0.003289
0.0121	0.0123	0.003362
-0.052	-0.0401	0.003455
-0.0008	0.0002	0.003152
0.0021	-0.0024	0.002723
-0.0185	-0.0176	0.003059
-0.0078	-0.016	0.002399
-0.0077	-0.0113	0.001638
-0.0053	-0.0026	0.002764
0.0084	0.0093	0.002672
-0.0012	0.0047	0.004821
-0.0061	-0.0024	0.001342
-0.0155	-0.0102	0.001153
0.0228	-0.0021	0.005511
0.0264	0.0092	0.003011
0.0367	0.0169	0.006707
-0.0076	-0.0115	0.007994
-0.0054	-0.0161	0.005356
0.0244	0.0326	0.002444
0.0173	0.0179	0.002079
0.024	0.0135	0.001046
-0.0157	0.0046	0.001565
0.0187	0.0045	0.005719
0.0319	0.0263	0.003343
0.0243	0.027	0.005401
0.0005	0.0359	0.005026
0.0191	0.0127	0.002553
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-0.0313	-0.0128	0.007543

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0.0085	0.0055	0.00153
0.0376	0.0361	0.002906
0.0206	0.0156	0.002227
0.0081	-0.0152	0.00712
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-0.0471	-0.0188	0.002195
-0.0183	-0.009	0.001798
0.0138	0.0175	0.002196
0.0115	0.013	0.002574
-0.0436	-0.0295	0.002025
0.041	0.0253	0.002335
0.0015	0.0113	0.004135
0.0187	0.0073	0.003742
0.0303	0.0094	0.015311
0.0464	0.0452	0.009468
0.0417	0.033	0.007421
-0.0294	-0.024	0.011624
-0.0122	0.013	0.004476
0.0507	0.0361	0.002641
-0.0106	0.0021	0.005148
0.0329	0.0264	0.002536
-0.0135	-0.008	0.00612
0.0102	0.0229	0.00308
0.0592	0.0471	0.002246
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0.0166	0.0219	0.000973
0.0546	0.0503	0.001856
-0.0283	-0.0203	0.001379
-0.0027	0.0052	0.000912
0.0139	0.0139	0.000866
0.0187	0.0187	0.000952
0.023	0.0178	0.000606
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0.0121	0.0093	0.000763
0.0155	0.0184	0.000763
0.0395	0.0395	0.001435
0.0096	0.0101	0.000706
0.0154	0.0164	0.001223
-0.0234	-0.02	0.000858
0.025	0.0257	0.000707
0.03	0.0277	0.000825
-0.0128	-0.0112	0.000837
-0.0072	-0.0125	0.00085

0.0373	0.0327	0.001802
0.0297	0.0295	0.000858
0.0167	0.0141	0.000544
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0.0333	0.0233	0.000697
-0.0338	-0.031	0.000663
-0.0196	-0.0204	0.001816
0.0076	0.0099	0.000542
0.0267	0.0225	0.00043
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0.001	-0.002	0.001357
0.0092	0.0039	0.002082
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0.0299	0.0361	0.000467
0.017	0.0183	0.000512
0.0077	0.0127	0.000453
0.0207	0.0246	0.000595
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0.0335	0.0287	0.00146
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0.0284	-0.0032	0.002419
0.0199	0.0152	0.005105
0.0012	0.0135	0.001865
0.0155	0.0088	0.00168
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0.0018	-0.0071	0.003247
0.0106	-0.0059	0.006297
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-0.0164	-0.0277	0.001628
0.022	-0.0061	0.003422
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0.0242	0.0121	0.003433
0.0112	-0.0863	0.023358
-0.0383	-0.045	0.057462
0.1443	0.1174	0.035626
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-0.1124	-0.0949	0.011689
-0.0056	-0.0308	0.009771

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0.0019	0.0565	0.003694
0.0231	0.0235	0.002121
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0.026364	0.009553	0.001956
0.003154	0.00388	0.00235
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0.043684	-0.0051	0.008016
0.044564	0.051945	0.005581
0.002438	0.01698	0.003311
0.070213	0.047319	0.002676
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-0.03174	-0.02027	0.001071
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0.0113	0.0157	0.001054
-0.0006	-0.0072	0.002313
0.0199	0.0239	0.000631
0.0355	0.0257	0.000926
-0.0127	-0.021	0.002298
0.0526	0.0473	0.001827
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0.0253	-0.0356	0.007663
0.0324	0.0512	0.002766
0.0002	0.0194	0.000643
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0.0418	0.0251	0.001628
0.0575	0.0344	0.001492
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0.027	0.0612	0.00156
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-0.0113	0.0206	0.00091
0.0238	-0.0092	0.001874
-0.0261	-0.0062	0.001006
-0.0297	-0.0313	0.000898

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-0.0431	-0.0371	0.002241
-0.0085	0.0031	0.0005
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0.0121	0.0014	0.000629
0.0147	0.0211	0.001432
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0.0499	0.0331	0.001312
-0.001	0.0168	0.001255
0.0126	0.0062	0.00087
0.0138	0.016	0.001378
0.0271	0.0188	0.000564
0.0028	0.002	0.000287
0.011	0.0024	0.000946
0.0311	0.0356	0.000543
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0.0354	0.0225	0.002903
0.0164	0.0173	0.000143
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