

Test Name	ACM PE, MW, rep 1
Cladding	Aluminium Composite Material (ACM) PE
Cladding Thickness [mm]	4
Insulation	Mineral Wool (MW)
Insulation Thickness [mm]	100
Cavity Width [mm]	50
Repetition Number	1
Mass Flow Rate (Propane)	0.2
Description	This experiment is on a system consisting of an Aluminium Composite Material (ACM) PE cladding panel and a Mineral Wool (MW) insulation panel, separated with a cavity of 50 mm width. It is the first repetition of this system configuration.
Experiment Notes	At approximately 1 minute the PE core began to drip from the ACM panel, and continued to burn within the debris tray. At approximately 5 minutes, smoking droplets were observed coming out from the sides of the ACM PE panel.
Peak HRR [kW]	603
Time to Peak HRR [mins]	6.27
Residual HRR [kW]	1.5
Total HR [MJ]	67.9
Peak dQ/dt [kW/s]	5.21
Time to Peak dQ/dt [s]	6.83

Test Time [s]	Heat Release Rate HRR [kW]	HRR Smoothed [kW]	Mass Rainscreen [kg]	Mass Insulation [kg]	Mass Drip Tray [kg]	Mass Total [kg]	MLR Rainscreen Smoothed 100pt [g/s]	MLR Insulation Smoothed 100pt [g/s]	MLR Drip Tray Smoothed 100pt [g/s]	MLR Total Smoothed 100pt [g/s]
0	1.07	1.07	3.2797	2.7989	-0.0017	6.0769	0.059	0.2566	-0.003	0.3127
1	1	1.14	3.284	2.7971	-0.0015	6.0796	0.0708	0.261	-0.0017	0.33
2	1.36	1.16	3.2822	2.7968	-0.0013	6.0777	0.07	0.2531	0.0052	0.3284
3	1.24	1.14	3.2823	2.796	-0.0013	6.077	0.0798	0.2531	0.0081	0.3409
4	1.12	1.24	3.2819	2.7946	-0.0013	6.0752	0.0856	0.2448	0.0037	0.3341
5	1.01	1.52	3.2822	2.7934	-0.0012	6.0744	0.0878	0.238	0.0006	0.3264
6	1.2	2.05	3.2826	2.792	-0.0014	6.0732	0.0859	0.2339	-0.0021	0.3177
7	1.43	2.66	3.2829	2.7914	-0.0014	6.0729	0.084	0.2349	0.0002	0.3192
8	1.75	3.27	3.2838	2.7914	-0.0011	6.0741	0.0651	0.2447	-0.0023	0.3076
9	2.36	3.81	3.2848	2.7914	-0.001	6.0752	0.0437	0.2318	-0.0042	0.2713
10	3.15	4.23	3.2857	2.791	-0.0012	6.0755	0.0505	0.22	-0.0007	0.2699
11	4.39	4.65	3.2856	2.79	-0.0012	6.0744	0.0428	0.2202	0.0011	0.2642
12	5.57	5.09	3.2849	2.7907	-0.0012	6.0744	0.0382	0.2102	0.001	0.2494
13	6.48	5.54	3.2837	2.7907	-0.0013	6.0731	0.0389	0.1954	-0.0037	0.2306
14	6.81	6.01	3.2838	2.7907	-0.0014	6.0731	0.0386	0.1846	-0.0063	0.2169
15	7.56	6.47	3.2836	2.7903	-0.0014	6.0726	0.0224	0.179	-0.0107	0.1907
16	8.01	6.91	3.283	2.7897	-0.0013	6.0715	0.0099	0.1736	-0.014	0.1695
17	8.03	7.36	3.282	2.7895	-0.0013	6.0703	-0.0039	0.1635	-0.0117	0.1479
18	8.93	7.8	3.2816	2.79	-0.0009	6.0706	-0.0172	0.1626	-0.0042	0.1412
19	9.05	8.18	3.2819	2.7899	-0.0008	6.071	-0.0193	0.1677	-0.0037	0.1447
20	8.93	8.57	3.2817	2.7902	-0.0007	6.0711	-0.022	0.1666	-0.0066	0.1379
21	9.7	8.88	3.2816	2.79	-0.0009	6.0707	-0.0226	0.161	-0.0084	0.13
22	9.87	9.12	3.2821	2.7903	-0.0007	6.0717	-0.0199	0.151	-0.01	0.1212
23	9.92	9.31	3.2822	2.7902	-0.0006	6.0718	-0.0192	0.1438	-0.0089	0.1157
24	9.8	9.48	3.2826	2.7905	-0.0007	6.0724	-0.0271	0.141	-0.0066	0.1073
25	9.56	9.61	3.283	2.7911	-0.0009	6.0732	-0.0379	0.1435	-0.0055	0.1001
26	9.97	9.71	3.2834	2.7919	-0.0011	6.0742	-0.0383	0.145	-0.0049	0.1018
27	10.1	9.79	3.2833	2.7931	-0.0011	6.0753	-0.0412	0.1537	-0.0034	0.1091
28	9.49	9.83	3.283	2.793	-0.0012	6.0749	-0.0364	0.1671	0.0005	0.1312

29	10.7	9.87	3.2815	2.7935	-0.0012	6.0738	-0.0428	0.1783	0.0032	0.1387
30	10.2	9.88	3.2806	2.7942	-0.0012	6.0736	-0.0539	0.1798	0.0034	0.1293
31	10.1	9.86	3.2789	2.7945	-0.0015	6.0719	-0.0607	0.1848	-0.0025	0.1216
32	10.1	9.83	3.2785	2.7944	-0.0016	6.0713	-0.0672	0.1816	-0.0047	0.1098
33	10.1	9.79	3.2781	2.7943	-0.0018	6.0706	-0.0673	0.1837	-0.0048	0.1116
34	10	9.74	3.2785	2.7941	-0.0017	6.0709	-0.0637	0.185	-0.0042	0.1171
35	9.94	9.72	3.2791	2.7939	-0.0018	6.0712	-0.0607	0.1808	-0.0058	0.1144
36	9.61	9.69	3.2789	2.7938	-0.0019	6.0708	-0.0511	0.1787	-0.0036	0.124
37	9.56	9.64	3.279	2.7934	-0.0019	6.0705	-0.0413	0.1767	0.0013	0.1367
38	9.95	9.64	3.2794	2.7926	-0.0018	6.0701	-0.0395	0.1734	0.004	0.1378
39	9.07	9.57	3.2806	2.7916	-0.0017	6.0705	-0.0638	0.1621	0.0024	0.1007
40	9.31	9.58	3.2808	2.7906	-0.0014	6.07	-0.0745	0.1513	0	0.0768
41	9.35	9.58	3.2802	2.7901	-0.0012	6.0691	-0.0702	0.1527	0.0005	0.083
42	9.04	9.53	3.279	2.79	-0.0014	6.0676	-0.0659	0.1416	-0.0021	0.0736
43	9	9.47	3.279	2.7903	-0.0018	6.0675	-0.0599	0.1324	-0.0033	0.0692
44	9.18	9.45	3.2788	2.7909	-0.0019	6.0678	-0.0514	0.125	-0.0044	0.0692
45	9.31	9.43	3.2781	2.791	-0.0017	6.0674	-0.0442	0.12	-0.0016	0.0742
46	9.14	9.42	3.2773	2.7907	-0.0018	6.0662	-0.0212	0.113	0.0004	0.0922
47	9.44	9.4	3.2764	2.7904	-0.0019	6.065	-0.0119	0.112	0.0035	0.1036
48	9.49	9.38	3.2772	2.7903	-0.0016	6.0659	-0.0016	0.1085	-0.0002	0.1067
49	10.3	9.4	3.2774	2.79	-0.0017	6.0658	0.0096	0.102	0.003	0.1146
50	10.1	9.46	3.2768	2.7896	-0.0018	6.0646	0.0232	0.0938	-0.0004	0.1166
51	9.23	9.53	3.2767	2.7897	-0.0021	6.0643	0.0196	0.0418	-0.0002	0.0612
52	9.07	9.62	3.2761	2.7895	-0.0023	6.0633	0.0727	0.0142	0.0042	0.0911
53	9.45	9.68	3.2757	2.7897	-0.002	6.0633	0.0677	0.0057	0.006	0.0794
54	9.63	9.75	3.2755	2.7898	-0.0019	6.0634	0.0798	-0.008	0.004	0.0758
55	9.43	9.84	3.2756	2.7898	-0.0017	6.0636	0.0877	-0.0294	-0.0016	0.0567
56	9.22	9.93	3.2756	2.7895	-0.0019	6.0632	0.1041	-0.0496	-0.0039	0.0506
57	9.5	10	3.2766	2.7887	-0.0017	6.0636	0.102	-0.0602	-0.0033	0.0385
58	9.5	10.1	3.2778	2.7892	-0.0016	6.0654	0.0979	-0.0649	-0.001	0.032
59	10.4	10.1	3.2773	2.7897	-0.0018	6.0652	0.1152	-0.0562	0.0064	0.0654
60	10.7	10.1	3.2778	2.7894	-0.0019	6.0653	0.1195	-0.0379	0.0096	0.0912
61	10.7	10.1	3.278	2.7898	-0.0019	6.0659	0.1214	-0.0267	0.0096	0.1042
62	10.1	10.2	3.2779	2.7906	-0.0016	6.0669	0.1211	-0.0228	0.0092	0.1075
63	10.5	10.3	3.2779	2.7911	-0.0014	6.0675	0.1149	-0.002	0.0041	0.117
64	11	10.3	3.2789	2.7912	-0.0012	6.069	0.1071	0.0023	0.0004	0.1098
65	10.9	10.3	3.2797	2.7914	-0.0009	6.0702	0.1095	-0.0041	-0.0028	0.1026

66	10.8	10.4	3.2806	2.7919	-0.0011	6.0715	0.0874	-0.014	0.0003	0.0737
67	11	10.5	3.2815	2.7918	-0.0016	6.0718	0.075	-0.0149	0.0014	0.0614
68	10.1	10.5	3.2817	2.7913	-0.0016	6.0714	0.0608	-0.0155	0.0014	0.0466
69	10.1	10.5	3.2819	2.7912	-0.0014	6.0717	0.0584	-0.0145	0.0045	0.0484
70	10.5	10.5	3.282	2.7914	-0.0013	6.0722	0.0586	-0.0146	0.0011	0.0451
71	10.3	10.5	3.2818	2.792	-0.0011	6.0727	0.0586	-0.0128	-0.0012	0.0445
72	10.2	10.5	3.2818	2.7924	-0.0012	6.0729	0.0594	-0.0173	-0.0014	0.0408
73	10.3	10.5	3.2824	2.7924	-0.0014	6.0735	0.0609	-0.0108	0.0006	0.0507
74	10.4	10.4	3.2832	2.7921	-0.0014	6.0739	0.0679	-0.001	0.0006	0.0675
75	11	10.4	3.2833	2.7919	-0.0015	6.0737	0.0836	0.0001	0.0012	0.0849
76	10.5	10.4	3.2835	2.791	-0.0016	6.073	0.0974	0.0132	-0.0043	0.1064
77	10.3	10.4	3.2832	2.7898	-0.0019	6.0712	0.1249	0.0255	-0.0055	0.1449
78	10.3	10.4	3.2837	2.7888	-0.0021	6.0704	0.1399	0.0425	-0.0046	0.1779
79	10.1	10.4	3.2847	2.7885	-0.0021	6.071	0.1418	0.0368	-0.0076	0.1709
80	10.3	10.4	3.2853	2.7879	-0.0016	6.0715	0.1349	0.0332	-0.0087	0.1594
81	10.3	10.4	3.2859	2.788	-0.0015	6.0724	0.1309	0.0373	-0.0124	0.1557
82	10.5	10.4	3.286	2.7876	-0.0014	6.0721	0.1109	0.0338	-0.016	0.1287
83	10.4	10.4	3.2857	2.7873	-0.0015	6.0716	0.1048	0.0299	-0.0177	0.1171
84	10.7	10.4	3.2855	2.7875	-0.0014	6.0717	0.0977	0.0343	-0.0208	0.1112
85	10.9	10.3	3.2848	2.7875	-0.0015	6.0707	0.1067	0.0367	-0.0233	0.1202
86	10.8	10.3	3.284	2.7875	-0.002	6.0695	0.1256	0.0396	-0.0246	0.1406
87	10.2	10.3	3.2838	2.7876	-0.0022	6.0693	0.1292	0.0416	-0.0259	0.1449
88	9.82	10.4	3.2861	2.7884	-0.0021	6.0724	0.1341	0.0362	-0.0345	0.1358
89	10	10.4	3.2871	2.7893	-0.0018	6.0745	0.1286	0.0231	-0.0361	0.1156
90	10.2	10.4	3.2868	2.789	-0.0019	6.0738	0.1308	0.0086	-0.0387	0.1008
91	10.4	10.4	3.2864	2.7898	-0.0017	6.0746	0.1259	0.0003	-0.0393	0.0869
92	10.1	10.4	3.2859	2.7906	-0.0015	6.075	0.1188	-0.0048	-0.0419	0.0721
93	10.1	10.5	3.2852	2.7911	-0.0014	6.0749	0.1019	-0.0104	-0.0447	0.0468
94	10.2	10.5	3.2846	2.7915	-0.0017	6.0743	0.1038	-0.0043	-0.0505	0.049
95	10.2	10.4	3.2824	2.792	-0.0019	6.0725	0.1077	-0.0102	-0.052	0.0455
96	10.8	10.4	3.2815	2.792	-0.0022	6.0713	0.0941	-0.0103	-0.0529	0.0309
97	10.5	10.4	3.2805	2.7922	-0.0018	6.0709	0.0941	-0.0154	-0.0547	0.0239
98	10.6	10.5	3.2794	2.7928	-0.0021	6.0701	0.1108	-0.0208	-0.0576	0.0324
99	10.9	10.5	3.2781	2.7935	-0.0018	6.0697	0.1539	-0.0344	-0.0588	0.0607
100	10.5	10.5	3.2777	2.7947	-0.0017	6.0708	0.1896	-0.0452	-0.0676	0.0768
101	10.9	10.5	3.2767	2.7957	-0.0019	6.0704	0.2303	-0.0551	-0.0784	0.0968
102	10.9	10.5	3.2754	2.7962	-0.0019	6.0698	0.2726	-0.0523	-0.1115	0.1089

103	10.4	10.5	3.2743	2.7968	-0.0017	6.0695	0.2985	-0.0443	-0.1393	0.1149
104	10.5	10.6	3.2731	2.7976	-0.0011	6.0695	0.3181	-0.0321	-0.1507	0.1352
105	10.7	10.6	3.2718	2.7983	-0.0008	6.0693	0.3488	-0.0245	-0.1605	0.1638
106	10.5	10.7	3.2724	2.798	-0.0011	6.0693	0.3622	-0.0333	-0.179	0.1499
107	10.2	10.7	3.2731	2.7978	-0.0013	6.0697	0.373	-0.0367	-0.1932	0.1431
108	10.7	10.7	3.2723	2.797	-0.0018	6.0676	0.3897	-0.0493	-0.2029	0.1374
109	10.2	10.7	3.2728	2.7952	-0.002	6.066	0.4136	-0.0594	-0.2079	0.1463
110	10.4	10.7	3.2736	2.7937	-0.0022	6.0651	0.4202	-0.068	-0.215	0.1372
111	10.4	10.7	3.2734	2.7923	-0.0021	6.0636	0.4253	-0.0736	-0.2283	0.1234
112	10.6	10.7	3.2734	2.7909	-0.0016	6.0627	0.424	-0.0699	-0.2354	0.1188
113	10.9	10.6	3.273	2.7905	-0.0014	6.0621	0.4222	-0.0658	-0.24	0.1163
114	11.2	10.7	3.2729	2.7911	-0.0011	6.0629	0.4336	-0.0614	-0.252	0.1201
115	11.3	10.7	3.2749	2.7917	-0.0014	6.0652	0.4742	-0.0568	-0.2704	0.147
116	11.1	10.7	3.2755	2.7912	-0.0014	6.0653	0.4961	-0.057	-0.2809	0.1582
117	11.1	10.7	3.2759	2.7911	-0.0014	6.0656	0.516	-0.0517	-0.2986	0.1657
118	11	10.8	3.2758	2.7914	-0.0014	6.0658	0.5325	-0.0518	-0.3175	0.1632
119	10.8	10.9	3.276	2.7914	-0.0009	6.0665	0.5435	-0.06	-0.329	0.1546
120	10.5	11	3.2758	2.7914	-0.0006	6.0667	0.5501	-0.0609	-0.3408	0.1484
121	10.2	11	3.2756	2.7917	-0.0007	6.0666	0.5444	-0.0579	-0.3512	0.1353
122	10.1	11.2	3.276	2.7914	-0.0007	6.0666	0.5384	-0.0462	-0.363	0.1291
123	10.6	11.3	3.2754	2.7903	-0.0006	6.0651	0.556	-0.0385	-0.3733	0.1442
124	10.8	11.4	3.2742	2.7905	-0.0008	6.0639	0.5771	-0.035	-0.3871	0.155
125	10.9	11.5	3.2733	2.7898	-0.0005	6.0626	0.6031	-0.0549	-0.4086	0.1396
126	11.2	11.7	3.2709	2.7893	-0.0005	6.0598	0.6378	-0.057	-0.4355	0.1452
127	11.6	11.8	3.2693	2.7888	-0.0006	6.0575	0.675	-0.058	-0.4628	0.1542
128	11.8	12	3.2688	2.7893	-0.0004	6.0578	0.7048	-0.0629	-0.4875	0.1544
129	12.1	12.3	3.268	2.7902	-0.0003	6.0579	0.734	-0.0835	-0.5031	0.1474
130	12.2	12.5	3.2675	2.7905	0	6.058	0.7593	-0.0882	-0.5165	0.1546
131	12.6	12.8	3.2678	2.7911	0.0001	6.059	0.7894	-0.0915	-0.5172	0.1807
132	13.1	13.1	3.268	2.7914	0.0002	6.0596	0.8051	-0.0844	-0.5207	0.2001
133	13.4	13.4	3.2683	2.7909	0.0003	6.0595	0.8047	-0.0952	-0.5486	0.1608
134	13.4	13.7	3.2678	2.7904	0.0006	6.0589	0.8097	-0.0978	-0.5563	0.1557
135	14.3	14	3.2666	2.7899	0.0007	6.0572	0.8371	-0.1019	-0.5714	0.1638
136	14.1	14.3	3.266	2.7896	0.0007	6.0564	0.8397	-0.099	-0.5798	0.1609
137	14.6	14.6	3.2656	2.7898	0.0015	6.057	0.856	-0.093	-0.5918	0.1712
138	15.3	14.9	3.2665	2.7902	0.0018	6.0586	0.8726	-0.0905	-0.609	0.1732
139	15.6	15.2	3.2675	2.7907	0.0022	6.0604	0.9026	-0.0718	-0.6197	0.2112

140	15.7	15.5	3.2682	2.7906	0.0026	6.0613	0.9261	-0.0635	-0.6204	0.2422
141	15.8	15.8	3.2683	2.7906	0.003	6.0619	0.9489	-0.0693	-0.632	0.2477
142	16.5	16.1	3.2688	2.7911	0.003	6.0629	0.9582	-0.0761	-0.6393	0.2429
143	16.4	16.4	3.2686	2.7908	0.0033	6.0626	0.9626	-0.0725	-0.634	0.2561
144	16.9	16.7	3.268	2.792	0.0033	6.0633	0.9894	-0.0819	-0.6346	0.2728
145	16.8	17	3.2687	2.792	0.0036	6.0643	1.0084	-0.0832	-0.6608	0.2645
146	17.1	17.4	3.2679	2.7923	0.0036	6.0638	1.0558	-0.084	-0.7094	0.2625
147	17.8	17.7	3.2653	2.7925	0.0039	6.0617	1.1101	-0.0822	-0.7568	0.2711
148	17.6	18	3.2618	2.7937	0.0043	6.0598	1.1886	-0.0794	-0.841	0.2682
149	18	18.4	3.2585	2.7946	0.0051	6.0581	1.2412	-0.0818	-0.8559	0.3035
150	18.4	18.7	3.2537	2.7951	0.0061	6.0549	1.2611	-0.0799	-0.8675	0.3137
151	18.5	18.9	3.2495	2.7949	0.009	6.0534	1.2937	-0.0563	-0.8801	0.3572
152	19.2	19.2	3.2463	2.7939	0.0116	6.0518	1.3209	-0.0494	-0.8881	0.3834
153	19.2	19.5	3.2439	2.7929	0.013	6.0498	1.3637	-0.0503	-0.8897	0.4237
154	20.2	19.7	3.2407	2.7922	0.0142	6.0471	1.3772	-0.0511	-0.8985	0.4275
155	20.6	20	3.2393	2.7931	0.0162	6.0486	1.4343	-0.0478	-0.9226	0.4639
156	20.8	20.3	3.2383	2.7931	0.0175	6.0489	1.4652	-0.0688	-0.9146	0.4819
157	21.6	20.7	3.2376	2.7936	0.0186	6.0498	1.5251	-0.0863	-0.912	0.5268
158	21.7	21.1	3.2364	2.7951	0.0192	6.0508	1.569	-0.0964	-0.9092	0.5634
159	21.6	21.6	3.2353	2.7965	0.0197	6.0515	1.6046	-0.1091	-0.9183	0.5772
160	20.9	22.1	3.2352	2.7968	0.0209	6.0529	1.647	-0.1145	-0.9249	0.6077
161	21.8	22.6	3.2356	2.7968	0.0216	6.0541	1.6844	-0.123	-0.9187	0.6427
162	21.7	23.1	3.2357	2.7971	0.0224	6.0552	1.7037	-0.1369	-0.9113	0.6555
163	21.5	23.6	3.2345	2.7972	0.0238	6.0555	1.761	-0.148	-0.8886	0.7244
164	22.1	24.1	3.2315	2.7969	0.0259	6.0543	1.7877	-0.1337	-0.8794	0.7747
165	23	24.5	3.2301	2.7971	0.0272	6.0544	1.8195	-0.083	-0.8679	0.8686
166	25	25	3.229	2.7971	0.0288	6.0549	1.8846	-0.0755	-0.8661	0.9431
167	25.7	25.5	3.2283	2.797	0.0302	6.0555	1.9322	-0.0786	-0.8556	0.9981
168	26.5	25.9	3.2273	2.7973	0.0313	6.056	1.9661	-0.0885	-0.8482	1.0294
169	27.8	26.3	3.2269	2.7973	0.0327	6.0569	2.0185	-0.0745	-0.8623	1.0817
170	28.1	26.7	3.2275	2.7972	0.0339	6.0586	2.067	-0.0802	-0.8672	1.1196
171	28.8	27.2	3.228	2.7966	0.0352	6.0598	2.0915	-0.0781	-0.8461	1.1674
172	29.1	27.7	3.2262	2.7962	0.0361	6.0585	2.1214	-0.0492	-0.8259	1.2463
173	28.6	28.3	3.2247	2.7959	0.0373	6.058	2.176	-0.0436	-0.8069	1.3255
174	29.3	29	3.2229	2.7976	0.0394	6.0599	2.2188	-0.0828	-0.8011	1.3348
175	30.5	29.6	3.2195	2.7976	0.0421	6.0591	2.2066	-0.0732	-0.7849	1.3484
176	29.9	30.2	3.216	2.7968	0.0447	6.0576	2.1979	-0.0913	-0.7628	1.3439

177	29.3	30.8	3.2127	2.7961	0.0469	6.0557	2.2032	-0.1172	-0.7604	1.3256
178	29.5	31.4	3.2104	2.7971	0.0482	6.0557	2.2481	-0.1528	-0.7902	1.3051
179	29.7	32	3.2087	2.7973	0.0495	6.0556	2.3243	-0.1587	-0.8151	1.3506
180	31	32.6	3.2063	2.7971	0.0501	6.0535	2.3875	-0.1417	-0.839	1.4069
181	31.4	33.3	3.2054	2.7964	0.0506	6.0524	2.4452	-0.1372	-0.8649	1.443
182	32.6	34	3.2055	2.7971	0.0534	6.056	2.5027	-0.1407	-0.8735	1.4885
183	34.4	34.7	3.2048	2.7971	0.0541	6.056	2.55	-0.1325	-0.8759	1.5417
184	35.3	35.6	3.2018	2.7977	0.0558	6.0553	2.6673	-0.1147	-0.9138	1.6388
185	36.5	36.5	3.2008	2.7974	0.0564	6.0546	2.7682	-0.0862	-0.9207	1.7613
186	36.8	37.6	3.1984	2.7968	0.0572	6.0524	2.843	-0.1048	-0.9605	1.7777
187	37.1	38.9	3.1966	2.7967	0.0587	6.0519	2.9289	-0.1345	-0.9895	1.805
188	39.1	40.2	3.1958	2.7956	0.0599	6.0513	3.0378	-0.1341	-1.0607	1.843
189	41.2	41.7	3.1945	2.7956	0.0602	6.0503	3.1367	-0.142	-1.1047	1.8901
190	41.2	43.2	3.1919	2.7959	0.0613	6.0491	3.2068	-0.1392	-1.1264	1.9412
191	42.2	44.7	3.1906	2.7974	0.0623	6.0503	3.2988	-0.1518	-1.1483	1.9987
192	42.3	46.2	3.1897	2.7978	0.0619	6.0493	3.3505	-0.1385	-1.1576	2.0543
193	46	47.7	3.1863	2.7993	0.062	6.0476	3.3886	-0.1146	-1.1845	2.0895
194	48.2	49.2	3.1837	2.7998	0.0644	6.0479	3.3965	-0.1143	-1.1729	2.1092
195	50.7	50.7	3.1768	2.8004	0.069	6.0463	3.4765	-0.0925	-1.2022	2.1818
196	52.9	52.4	3.1705	2.8002	0.0735	6.0442	3.5161	-0.1063	-1.2014	2.2084
197	55.2	54.5	3.1617	2.8002	0.0823	6.0441	3.5556	-0.1099	-1.1939	2.2517
198	58.3	56.6	3.1553	2.8009	0.0834	6.0397	3.5923	-0.1071	-1.186	2.2992
199	59.5	59.1	3.1519	2.8015	0.0849	6.0384	3.6003	-0.0947	-1.1909	2.3148
200	59.7	61.7	3.1484	2.8004	0.0863	6.0351	3.6136	-0.0838	-1.1893	2.3405
201	61.8	64.5	3.1446	2.8006	0.0869	6.0321	3.6133	-0.0715	-1.1798	2.3621
202	62.8	67.4	3.139	2.8013	0.0871	6.0274	3.7117	-0.0598	-1.2422	2.4096
203	64.3	70.3	3.1366	2.8019	0.0882	6.0267	3.8216	-0.049	-1.2963	2.4763
204	64.8	73.5	3.1297	2.8023	0.0912	6.0232	3.8431	-0.0746	-1.2958	2.4727
205	68.6	76.8	3.1253	2.8052	0.0906	6.0211	3.8617	-0.0584	-1.2843	2.519
206	76.1	80.5	3.1199	2.8066	0.0901	6.0166	3.905	-0.0064	-1.2752	2.6234
207	80.2	84.2	3.1162	2.8075	0.0897	6.0134	3.931	-0.0024	-1.2497	2.6789
208	87.6	87.9	3.1119	2.8079	0.0901	6.0098	3.9606	-0.0092	-1.2341	2.7173
209	90.6	91.6	3.1081	2.8066	0.0905	6.0053	4.0439	-0.0016	-1.2528	2.7895
210	95.4	95.5	3.1051	2.806	0.0897	6.0008	4.1484	0.0246	-1.2985	2.8745
211	97.1	99.6	3.1031	2.806	0.089	5.9981	4.1822	0.0502	-1.3139	2.9186
212	102	104	3.0973	2.8057	0.0872	5.9903	4.2513	0.0618	-1.307	3.0061
213	110	108	3.0942	2.8039	0.0866	5.9846	4.3164	0.0796	-1.2973	3.0987

214	113	113	3.0909	2.7994	0.0857	5.976	4.3995	0.0955	-1.3277	3.1672
215	122	117	3.0864	2.7992	0.0852	5.9709	4.4521	0.0842	-1.3204	3.2158
216	127	121	3.0823	2.799	0.0842	5.9655	4.5148	0.0832	-1.2979	3.3001
217	129	125	3.0793	2.7999	0.0834	5.9627	4.5419	0.088	-1.2803	3.3496
218	129	128	3.0739	2.7988	0.0848	5.9576	4.5974	0.1112	-1.2731	3.4354
219	134	132	3.0693	2.7994	0.0858	5.9545	4.6895	0.1215	-1.2989	3.5121
220	139	136	3.0667	2.7993	0.084	5.9499	4.8217	0.1136	-1.3584	3.5769
221	143	139	3.0635	2.7966	0.0819	5.942	4.9037	0.1027	-1.356	3.6504
222	145	143	3.0584	2.7957	0.08	5.9341	4.9769	0.1153	-1.3511	3.7411
223	151	146	3.0535	2.7986	0.0795	5.9316	5.0298	0.1235	-1.361	3.7922
224	146	148	3.0535	2.7978	0.0777	5.929	5.0854	0.1284	-1.4202	3.7936
225	153	151	3.0535	2.7989	0.0758	5.9282	5.1871	0.1351	-1.4411	3.8811
226	155	153	3.0506	2.8011	0.0755	5.9272	5.318	0.124	-1.4362	4.0058
227	155	156	3.0445	2.8041	0.0784	5.927	5.3846	0.0197	-1.4514	3.953
228	164	158	3.0364	2.8052	0.0811	5.9227	5.5398	-0.0341	-1.446	4.0597
229	165	161	3.0293	2.8044	0.0836	5.9172	5.6144	-0.0188	-1.4937	4.1019
230	167	163	3.023	2.8042	0.0865	5.9137	5.7227	0.0149	-1.5738	4.1637
231	164	166	3.0176	2.8051	0.0875	5.9102	5.8089	0.0367	-1.6306	4.215
232	167	168	3.013	2.8046	0.0878	5.9054	5.8938	0.0492	-1.6812	4.2618
233	164	169	3.0016	2.8024	0.0917	5.8956	5.9542	0.0566	-1.6645	4.3463
234	168	172	2.991	2.799	0.0927	5.8827	5.9558	0.0932	-1.6716	4.3774
235	172	174	2.9823	2.8004	0.0967	5.8794	6.017	0.1293	-1.7426	4.4037
236	180	176	2.9731	2.8031	0.0997	5.8759	6.0238	0.1756	-1.755	4.4444
237	173	177	2.9619	2.8032	0.1076	5.8727	6.069	0.146	-1.7599	4.4551
238	183	178	2.9528	2.8044	0.1123	5.8696	6.1518	0.1467	-1.768	4.5304
239	182	179	2.9468	2.8046	0.1148	5.8663	6.2726	0.1194	-1.7527	4.6393
240	188	179	2.9383	2.8058	0.1174	5.8615	6.3747	0.0884	-1.7964	4.6667
241	185	180	2.9333	2.8045	0.1187	5.8565	6.494	0.1094	-1.851	4.7524
242	184	180	2.9299	2.8025	0.1215	5.854	6.551	0.1206	-1.8423	4.8294
243	191	180	2.9289	2.8022	0.1205	5.8517	6.6962	0.058	-1.8734	4.8808
244	192	180	2.9204	2.8012	0.1235	5.8451	6.8367	0.0447	-1.9128	4.9685
245	189	180	2.9171	2.8026	0.1237	5.8435	6.8243	0.1597	-1.8809	5.1032
246	186	180	2.9124	2.8033	0.123	5.8387	7.0196	0.0747	-1.9073	5.187
247	185	180	2.9061	2.8032	0.1225	5.8318	7.1355	-0.0152	-1.8839	5.2365
248	179	180	2.9018	2.8032	0.1234	5.8283	7.1696	-0.0414	-1.7851	5.3431
249	175	179	2.8971	2.8029	0.124	5.824	7.2148	0.0193	-1.8011	5.4329
250	170	179	2.8924	2.8022	0.1241	5.8187	7.2413	0.0583	-1.7899	5.5096

251	167	179	2.8783	2.8009	0.1332	5.8125	7.3286	0.0653	-1.8192	5.5746
252	165	179	2.8641	2.7988	0.1413	5.8042	7.4319	0.1105	-1.8915	5.651
253	177	178	2.8596	2.8003	0.1426	5.8026	7.4816	0.1045	-1.8929	5.6933
254	175	178	2.8545	2.7981	0.1426	5.7952	7.6426	0.1032	-1.9203	5.8254
255	171	178	2.8488	2.7937	0.1437	5.7863	7.7873	0.1919	-2.0677	5.9115
256	173	179	2.8452	2.7934	0.1424	5.781	7.9984	0.2634	-2.1627	6.099
257	179	179	2.8416	2.7945	0.142	5.7781	8.022	0.2183	-2.2029	6.0374
258	178	181	2.832	2.7953	0.1445	5.7718	8.0185	0.309	-2.2126	6.115
259	183	183	2.8205	2.794	0.1495	5.764	8.1786	0.3512	-2.2932	6.2365
260	184	185	2.817	2.7918	0.1523	5.7611	8.3019	0.2839	-2.3293	6.2566
261	182	187	2.8105	2.7906	0.1523	5.7534	8.5391	0.2367	-2.4417	6.3342
262	182	189	2.8041	2.7892	0.1521	5.7454	8.7848	0.2029	-2.5182	6.4694
263	185	191	2.7946	2.7877	0.1565	5.7388	8.9434	0.2146	-2.6167	6.5412
264	192	193	2.7863	2.7885	0.1579	5.7327	9.1423	0.2198	-2.7147	6.6474
265	196	196	2.7786	2.7888	0.1569	5.7244	9.2795	0.1917	-2.7287	6.7424
266	197	198	2.7748	2.7883	0.1568	5.72	9.4285	0.2022	-2.7861	6.8446
267	205	201	2.7686	2.7859	0.1575	5.7119	9.53	0.2389	-2.8745	6.8945
268	208	204	2.7584	2.7851	0.1612	5.7047	9.6463	0.3086	-2.895	7.0599
269	208	207	2.7447	2.7859	0.1685	5.6992	9.8144	0.2822	-3.0119	7.0847
270	212	211	2.7372	2.787	0.1695	5.6936	9.8764	0.3067	-3.0752	7.1078
271	210	214	2.7303	2.7851	0.1703	5.6856	10.0982	0.3345	-3.2263	7.2064
272	212	218	2.7232	2.7839	0.1722	5.6793	10.415	0.2295	-3.5216	7.123
273	216	222	2.7161	2.7831	0.1794	5.6786	10.8943	0.1525	-3.7291	7.3178
274	219	225	2.7042	2.7841	0.1835	5.6718	11.5905	0.0189	-4.2482	7.3612
275	222	228	2.6877	2.7852	0.1857	5.6586	11.9895	-0.1145	-4.5887	7.2864
276	233	231	2.6776	2.7949	0.1898	5.6623	12.2081	-0.1618	-4.7115	7.3348
277	236	234	2.6588	2.7995	0.1915	5.6497	11.9941	0.1579	-4.725	7.427
278	237	237	2.6489	2.799	0.1976	5.6455	12.0551	0.2756	-4.744	7.5867
279	247	239	2.6365	2.7958	0.2069	5.6392	12.3799	0.28	-5.0894	7.5705
280	252	241	2.6255	2.7934	0.2131	5.632	12.4986	0.2761	-5.0511	7.7236
281	256	244	2.616	2.7915	0.2187	5.6262	12.6947	0.2858	-5.1686	7.8119
282	258	247	2.6101	2.7915	0.2199	5.6214	12.811	0.3176	-5.196	7.9326
283	258	249	2.6092	2.7878	0.2213	5.6182	13.0797	0.318	-5.2067	8.1911
284	254	251	2.6001	2.7848	0.23	5.6149	13.2107	0.307	-5.3059	8.2119
285	248	253	2.5984	2.7798	0.2319	5.6102	13.2276	0.2554	-5.347	8.136
286	260	255	2.5915	2.7822	0.2332	5.6069	13.5334	0.247	-5.3427	8.4376
287	256	258	2.5814	2.782	0.2355	5.5989	13.9678	0.2461	-5.7309	8.4829

288	252	260	2.5685	2.7837	0.2352	5.5874	14.101	0.2576	-5.893	8.4656
289	263	261	2.557	2.7868	0.2398	5.5836	14.3143	0.2557	-6.0031	8.5669
290	263	264	2.5425	2.785	0.2464	5.5738	14.7813	0.2533	-6.339	8.6955
291	257	266	2.5355	2.7854	0.2465	5.5674	15.0984	0.3082	-6.8506	8.556
292	262	268	2.5201	2.792	0.2492	5.5613	15.1998	0.3803	-6.6579	8.9222
293	261	271	2.5026	2.7948	0.2533	5.5508	15.3848	0.3935	-6.6811	9.0972
294	260	274	2.5013	2.7838	0.2525	5.5376	15.5789	0.3762	-6.7627	9.1924
295	273	278	2.4749	2.793	0.2598	5.5276	15.7297	0.336	-6.8211	9.2447
296	276	282	2.457	2.8017	0.2619	5.5206	15.8851	0.3408	-6.8649	9.3611
297	277	286	2.4447	2.8043	0.2608	5.5098	16.1896	0.2991	-7.0094	9.4794
298	280	291	2.4338	2.799	0.2636	5.4964	16.3737	0.3683	-7.2331	9.5089
299	298	295	2.4278	2.7956	0.2639	5.4874	16.5896	0.3617	-7.2752	9.676
300	305	299	2.4155	2.7938	0.2682	5.4776	16.9486	0.3297	-7.4103	9.868
301	297	304	2.4014	2.7895	0.2761	5.467	17.463	0.2621	-7.6813	10.0438
302	299	308	2.3909	2.7908	0.2764	5.4581	17.6352	0.2483	-7.8753	10.0081
303	314	312	2.3723	2.7916	0.2802	5.4442	17.802	0.1877	-7.8411	10.1487
304	321	316	2.3509	2.7832	0.2979	5.432	18.0339	0.1914	-7.9626	10.2627
305	341	320	2.3254	2.7789	0.3069	5.4112	18.243	0.2016	-8.1082	10.3364
306	332	323	2.3177	2.7848	0.3104	5.4129	18.694	0.163	-8.1602	10.6969
307	340	328	2.3144	2.7766	0.3109	5.4019	19.4618	0.1699	-10.5717	9.06
308	340	331	2.294	2.7728	0.3194	5.3862	19.8756	0.2666	-9.5281	10.6141
309	351	334	2.2779	2.7783	0.3234	5.3796	20.0137	0.2814	-9.5963	10.6988
310	344	336	2.2512	2.7823	0.3339	5.3674	20.2071	0.3012	-9.5904	10.9179
311	338	339	2.2246	2.7857	0.3408	5.3511	20.3568	0.2957	-9.6241	11.0285
312	337	341	2.203	2.7843	0.3489	5.3362	20.5232	0.297	-9.6728	11.1473
313	349	343	2.1799	2.7819	0.3581	5.3199	20.6764	0.316	-9.6999	11.2925
314	345	345	2.163	2.7802	0.3585	5.3018	20.8285	0.3145	-9.7419	11.401
315	337	345	2.1436	2.779	0.3638	5.2864	20.9583	0.3308	-9.7899	11.4992
316	355	347	2.1293	2.7752	0.3716	5.2761	21.1029	0.3378	-9.8408	11.5999
317	350	348	2.1147	2.7691	0.3729	5.2567	21.2556	0.3514	-9.9075	11.6995
318	347	350	2.0925	2.7706	0.386	5.2491	21.3544	0.385	-10.0029	11.7365
319	348	351	2.0817	2.7687	0.3933	5.2437	21.3934	0.3841	-9.9884	11.7891
320	346	353	2.0568	2.7658	0.4066	5.2293	21.4276	0.3914	-9.9579	11.861
321	349	355	2.022	2.7737	0.434	5.2297	21.5575	0.3934	-10.087	11.8638
322	352	357	1.9689	2.7805	0.4529	5.2023	21.6803	0.3767	-10.0811	11.9759
323	353	358	1.8944	2.7967	0.5043	5.1955	21.8732	0.358	-10.2114	12.0199
324	347	360	1.8546	2.8092	0.5366	5.2004	21.9799	0.3748	-10.1572	12.1975

325	360	363	1.8327	2.8151	0.5469	5.1947	22.0373	0.3776	-10.2701	12.1448
326	364	367	1.8512	2.7853	0.548	5.1845	22.0569	0.4044	-10.2593	12.2021
327	382	371	1.839	2.7766	0.5528	5.1684	22.1358	0.4689	-10.3366	12.2681
328	368	378	1.7984	2.7772	0.59	5.1657	22.1967	0.5131	-10.359	12.3508
329	379	384	1.7794	2.7767	0.5887	5.1448	22.2137	0.5119	-10.4457	12.2799
330	373	392	1.7535	2.7757	0.6034	5.1325	22.1389	0.4785	-10.3652	12.2521
331	379	400	1.7365	2.7734	0.6071	5.1169	22.0754	0.4741	-10.3283	12.2212
332	375	408	1.7051	2.7728	0.6084	5.0863	22.2241	0.4872	-10.4643	12.247
333	377	417	1.6805	2.7717	0.6223	5.0744	22.4212	0.493	-10.6791	12.235
334	401	426	1.6683	2.7735	0.6273	5.0691	22.4901	0.4763	-10.707	12.2594
335	427	434	1.6289	2.7757	0.631	5.0356	22.4173	0.4421	-10.5946	12.2649
336	429	443	1.5764	2.7785	0.6728	5.0276	22.4553	0.3608	-10.5883	12.2278
337	473	449	1.5518	2.7774	0.6969	5.0261	22.3911	0.3709	-10.5697	12.1924
338	461	455	1.5214	2.7789	0.7126	5.0129	22.2842	0.3593	-10.5354	12.1082
339	504	460	1.4687	2.7793	0.7487	4.9967	22.1539	0.3754	-10.5464	11.9829
340	502	467	1.4285	2.775	0.8025	5.0059	22.0095	0.4229	-10.4826	11.9498
341	505	473	1.4133	2.7664	0.7845	4.9642	21.8505	0.4368	-10.407	11.8803
342	515	479	1.3915	2.7632	0.7896	4.9442	21.7857	0.4858	-10.4129	11.8586
343	521	485	1.371	2.7646	0.7968	4.9324	21.6442	0.5462	-10.386	11.8044
344	518	490	1.3474	2.7676	0.8056	4.9206	21.4731	0.5771	-10.3107	11.7395
345	518	493	1.3286	2.7686	0.8102	4.9074	21.5104	0.4836	-10.3579	11.636
346	497	496	1.2934	2.7734	0.824	4.8907	21.2991	0.5898	-10.339	11.55
347	493	497	1.2687	2.7664	0.8458	4.8809	21.0901	0.6798	-10.3125	11.4573
348	478	497	1.2428	2.767	0.8509	4.8607	20.9109	0.7037	-10.298	11.3167
349	498	495	1.2022	2.77	0.865	4.8372	20.7961	0.6683	-10.2679	11.1965
350	492	493	1.1461	2.776	0.8922	4.8143	20.7843	0.6217	-10.247	11.159
351	488	491	1.1148	2.7761	0.9208	4.8117	20.672	0.5604	-10.1879	11.0445
352	499	488	1.0839	2.78	0.9254	4.7893	20.5417	0.4919	-10.1044	10.9291
353	489	486	1.0562	2.7812	0.9389	4.7763	20.4486	0.4743	-10.098	10.8249
354	492	484	1.0302	2.7779	0.9534	4.7615	20.291	0.4977	-10.0405	10.7481
355	478	484	0.9794	2.7774	0.9597	4.7166	20.0838	0.4389	-9.8517	10.6709
356	492	486	0.899	2.7764	1.1996	4.875	19.8371	0.3855	-9.7528	10.4698
357	455	490	0.854	2.7679	1.0948	4.7167	19.7968	0.4351	-9.7031	10.5288
358	479	496	0.8307	2.7672	1.1041	4.7019	19.7725	0.3678	-9.6821	10.4582
359	461	502	0.7998	2.7639	1.1086	4.6722	19.5635	0.3213	-9.588	10.2967
360	458	510	0.7813	2.7622	1.1147	4.6582	19.3929	0.3461	-9.5559	10.1831
361	466	519	0.7582	2.7609	1.1196	4.6387	19.1385	0.3641	-9.4492	10.0534

362	474	528	0.7364	2.7576	1.1221	4.6161	18.8796	0.4199	-9.3741	9.9254
363	485	536	0.7117	2.7562	1.1307	4.5987	18.6885	0.4222	-9.2907	9.82
364	515	544	0.6905	2.7554	1.1369	4.5828	18.4552	0.378	-9.1972	9.636
365	545	554	0.6683	2.755	1.141	4.5644	18.2833	0.3629	-9.1873	9.4589
366	562	561	0.6493	2.7531	1.1476	4.55	18.0833	0.3809	-9.1162	9.348
367	600	571	0.6331	2.7474	1.1578	4.5383	17.923	0.3362	-9.0463	9.2129
368	617	579	0.6191	2.7467	1.16	4.5258	17.7646	0.2978	-9.0445	9.0179
369	639	587	0.602	2.7468	1.1643	4.5131	17.5504	0.3477	-8.9051	8.993
370	656	594	0.5814	2.7476	1.1782	4.5072	17.4804	0.3395	-8.8228	8.9972
371	661	601	0.5622	2.7474	1.1784	4.4881	17.2649	0.3229	-8.6922	8.8956
372	643	606	0.5359	2.7481	1.1934	4.4773	16.9161	0.4004	-8.4133	8.9032
373	650	611	0.5181	2.7456	1.1951	4.4589	16.3938	0.4625	-8.207	8.6492
374	659	613	0.5005	2.7463	1.2105	4.4573	15.6755	0.6248	-7.6839	8.6164
375	640	615	0.482	2.7447	1.2116	4.4383	15.2899	0.7875	-7.3602	8.7171
376	632	614	0.464	2.748	1.2235	4.4355	15.0762	0.8748	-7.254	8.697
377	631	611	0.4391	2.7482	1.2274	4.4147	15.3161	0.6056	-7.2407	8.6809
378	617	606	0.4275	2.7478	1.2421	4.4175	15.2153	0.4895	-7.1858	8.519
379	594	599	0.4226	2.748	1.2434	4.414	14.8506	0.481	-6.8083	8.5233
380	590	590	0.4179	2.746	1.246	4.4098	14.6746	0.465	-6.8196	8.3201
381	587	579	0.3936	2.7428	1.2652	4.4015	14.4387	0.4399	-6.6753	8.2032
382	571	568	0.368	2.7422	1.2878	4.3979	14.274	0.4335	-6.6378	8.0696
383	558	557	0.3602	2.7402	1.292	4.3923	13.9588	0.4496	-6.6112	7.7971
384	572	543	0.3584	2.7405	1.2895	4.3884	13.7048	0.4706	-6.4676	7.7078
385	554	530	0.3529	2.7438	1.2908	4.3874	13.5858	0.512	-6.4226	7.6752
386	545	515	0.3523	2.7451	1.2902	4.3876	13.2094	0.5421	-6.386	7.3655
387	512	498	0.353	2.7461	1.289	4.3881	12.6895	0.5677	-5.959	7.2982
388	510	482	0.3531	2.7461	1.2898	4.3891	12.4299	0.5828	-5.7208	7.2918
389	480	466	0.3561	2.7445	1.2881	4.3886	12.1353	0.5931	-5.5669	7.1615
390	449	449	0.3574	2.7413	1.2871	4.3858	11.633	0.5904	-5.2057	7.0177
391	445	431	0.3569	2.7368	1.2878	4.3815	11.2327	0.5512	-4.6609	7.1229
392	432	414	0.3556	2.7374	1.2878	4.3808	11.0698	0.4726	-4.8409	6.7015
393	401	397	0.3553	2.7371	1.2844	4.3768	10.8557	0.4469	-4.7922	6.5104
394	382	378	0.3503	2.7355	1.2883	4.374	10.6749	0.4415	-4.7107	6.4057
395	347	359	0.3449	2.734	1.2937	4.3726	10.4486	0.482	-4.6301	6.3005
396	320	340	0.348	2.7338	1.2931	4.3749	10.2554	0.4913	-4.5918	6.1549
397	310	322	0.3536	2.7339	1.2906	4.3781	9.9047	0.5218	-4.4503	5.9763
398	295	304	0.3542	2.7322	1.2904	4.3768	9.6583	0.4601	-4.2344	5.884

399	261	287	0.3494	2.7335	1.2886	4.3715	9.411	0.4655	-4.1839	5.6926
400	248	271	0.3483	2.7378	1.287	4.3731	9.0203	0.4798	-4.0438	5.4562
401	247	255	0.3472	2.7403	1.2865	4.3741	8.4788	0.5248	-3.7732	5.2304
402	225	239	0.346	2.7434	1.2862	4.3756	8.1758	0.517	-3.4864	5.2064
403	211	225	0.3432	2.7418	1.2843	4.3693	7.8599	0.5524	-3.4337	4.9787
404	201	211	0.3425	2.7393	1.2831	4.3649	7.5613	0.5477	-3.2973	4.8117
405	186	198	0.3417	2.7403	1.2822	4.3643	7.2663	0.5128	-3.1484	4.6307
406	177	187	0.338	2.7413	1.2807	4.36	6.7431	0.5007	-3.0878	4.156
407	168	176	0.3371	2.7398	1.2791	4.356	5.9423	0.466	-0.6834	5.7249
408	154	165	0.3377	2.7407	1.2782	4.3565	5.4994	0.3673	-1.73	4.1367
409	145	156	0.3386	2.7436	1.279	4.3613	5.2693	0.3655	-1.6415	3.9932
410	143	148	0.3374	2.7459	1.2788	4.362	4.9556	0.3343	-1.5971	3.6927
411	128	139	0.3366	2.7437	1.2782	4.3586	4.7675	0.3133	-1.5342	3.5467
412	122	131	0.3341	2.7421	1.278	4.3542	4.5408	0.3138	-1.4896	3.365
413	117	124	0.3344	2.7441	1.2778	4.3563	4.3556	0.2829	-1.4615	3.1769
414	111	117	0.3347	2.7439	1.2773	4.3559	4.1367	0.2759	-1.367	3.0455
415	103	111	0.3353	2.7409	1.2755	4.3516	3.9419	0.2988	-1.3033	2.9374
416	99.3	104	0.337	2.7415	1.2762	4.3548	3.7227	0.3214	-1.2696	2.7745
417	93.8	98.5	0.3382	2.7393	1.2773	4.3549	3.5209	0.3368	-1.2077	2.6499
418	89	93.1	0.3374	2.7359	1.2765	4.3498	3.3567	0.3016	-1.0981	2.5603
419	87.1	88.2	0.3337	2.7348	1.2756	4.344	3.2246	0.3176	-1.0745	2.4678
420	80.3	83.3	0.3303	2.7335	1.2759	4.3397	3.0476	0.3183	-1.0295	2.3363
421	77	79.1	0.3304	2.7336	1.2754	4.3394	2.8231	0.3075	-0.8919	2.2388
422	71.5	75.2	0.3296	2.7342	1.2736	4.3374	2.623	0.2999	-0.8896	2.0333
423	68.2	71.5	0.3269	2.7342	1.2727	4.3338	2.3594	0.3078	-0.7403	1.9269
424	67.9	68.1	0.3256	2.7305	1.2726	4.3287	2.1814	0.2914	-0.7276	1.7452
425	58.8	65.1	0.325	2.7276	1.2723	4.325	2.0164	0.2929	-0.5738	1.7355
426	56.4	62	0.3196	2.7247	1.2721	4.3164	1.8513	0.2799	-0.556	1.5752
427	52	59.3	0.3175	2.7276	1.2714	4.3165	1.6867	0.3124	-0.4348	1.5642
428	50.7	56.8	0.3134	2.7291	1.2709	4.3133	1.4547	0.3054	-0.3909	1.3692
429	50.5	54.2	0.3119	2.7302	1.2706	4.3128	1.3288	0.3067	-0.2423	1.3932
430	49	52	0.3096	2.7317	1.2709	4.3122	1.2684	0.3244	-0.2393	1.3535
431	47.6	49.8	0.3091	2.73	1.2708	4.31	1.2194	0.3061	-0.2158	1.3097
432	46.1	47.8	0.3092	2.7279	1.2696	4.3066	0.9746	0.2727	-0.0249	1.2224
433	44.9	46	0.31	2.7246	1.269	4.3037	0.7149	0.2636	0.2001	1.1787
434	46.1	44.1	0.3097	2.7223	1.2696	4.3016	0.643	0.2284	0.2447	1.116
435	42	42.8	0.308	2.7215	1.2696	4.2991	0.6376	0.2321	0.225	1.0946

436	42	41.4	0.3074	2.7217	1.2686	4.2977	0.5749	0.2692	0.244	1.0881
437	40.3	40.3	0.3088	2.7191	1.269	4.2969	0.5538	0.286	0.2368	1.0766
438	39.3	39.2	0.3079	2.7196	1.2693	4.2967	0.5556	0.2905	0.2218	1.0679
439	37.4	38.1	0.3054	2.7202	1.2693	4.295	0.5548	0.2888	0.2352	1.0787
440	35.5	37	0.3052	2.7198	1.2685	4.2936	0.5804	0.2705	0.2201	1.071
441	34.2	36	0.3063	2.7192	1.2686	4.2941	0.5928	0.2424	0.2044	1.0396
442	33.2	35.1	0.3059	2.7185	1.2688	4.2932	0.5981	0.2001	0.2069	1.0051
443	32.7	34.2	0.3035	2.7204	1.2679	4.2919	0.5986	0.2064	0.205	1.01
444	32.4	33.2	0.3025	2.7194	1.2686	4.2906	0.6134	0.2064	0.1743	0.9941
445	30.8	32.4	0.303	2.7194	1.2694	4.2919	0.5719	0.1914	0.2169	0.9802
446	30.8	31.5	0.3029	2.7212	1.269	4.2931	0.4993	0.181	0.2726	0.953
447	30.8	30.8	0.3029	2.7204	1.2692	4.2925	0.5044	0.1825	0.2654	0.9523
448	29.2	30	0.3017	2.7205	1.2693	4.2915	0.5605	0.1865	0.2341	0.9811
449	28.4	29.2	0.3002	2.722	1.2694	4.2916	0.5756	0.1722	0.2395	0.9873
450	28.3	28.6	0.2982	2.7235	1.2695	4.2913	0.5288	0.1961	0.2233	0.9481
451	29.1	28	0.2972	2.7244	1.2694	4.291	0.4996	0.2508	0.21	0.9604
452	27.1	27.4	0.2979	2.7248	1.2687	4.2915	0.4615	0.2924	0.2032	0.9571
453	27.3	26.8	0.3001	2.7264	1.2686	4.2951	0.429	0.3342	0.193	0.9562
454	26	26.1	0.3036	2.7266	1.2683	4.2984	0.3827	0.3148	0.1694	0.8668
455	26.6	25.6	0.3051	2.7274	1.2685	4.301	0.3572	0.3007	0.1587	0.8166
456	25.6	25	0.3048	2.7298	1.2679	4.3025	0.3426	0.3238	0.1466	0.813
457	23.9	24.4	0.3041	2.7311	1.2678	4.303	0.3248	0.3162	0.131	0.772
458	23.6	23.9	0.3037	2.7306	1.2682	4.3026	0.3382	0.2833	0.1191	0.7405
459	23.1	23.4	0.3042	2.7305	1.2683	4.303	0.3527	0.2965	0.1016	0.7507
460	22.6	23	0.3046	2.7309	1.2681	4.3036	0.3671	0.3136	0.1151	0.7958
461	22.2	22.5	0.3041	2.7296	1.2686	4.3022	0.3463	0.3193	0.1332	0.7988
462	20.7	22	0.3009	2.7293	1.2683	4.2984	0.3346	0.2974	0.1226	0.7547
463	20.7	21.5	0.2981	2.7286	1.2674	4.2941	0.3038	0.2793	0.111	0.6941
464	19.8	21.1	0.2963	2.7255	1.2673	4.2891	0.3049	0.2956	0.1016	0.7021
465	19.8	20.8	0.2961	2.7229	1.268	4.2869	0.3098	0.2874	0.0942	0.6914
466	19.6	20.3	0.2972	2.7195	1.2683	4.285	0.3166	0.25	0.0781	0.6447
467	19.5	20	0.2974	2.7172	1.2676	4.2822	0.3426	0.2534	0.0883	0.6843
468	19.2	19.6	0.2966	2.715	1.2675	4.2791	0.3611	0.2309	0.0997	0.6917
469	19.7	19.2	0.2972	2.715	1.2673	4.2795	0.3488	0.1993	0.0943	0.6424
470	19.6	18.9	0.2991	2.7169	1.2674	4.2833	0.3231	0.1913	0.0824	0.5968
471	18.7	18.5	0.2999	2.7174	1.2674	4.2847	0.3119	0.1744	0.0791	0.5655
472	18.3	18.2	0.2999	2.7173	1.2674	4.2846	0.333	0.1662	0.0739	0.5731

473	18.5	17.9	0.3	2.7165	1.2678	4.2843	0.3346	0.1695	0.061	0.5652
474	19.5	17.7	0.2988	2.717	1.2679	4.2838	0.308	0.1663	0.054	0.5283
475	17.5	17.4	0.2969	2.7167	1.2672	4.2808	0.2935	0.1238	0.0538	0.4711
476	16.8	17.1	0.2953	2.7167	1.267	4.279	0.2728	0.0934	0.0504	0.4166
477	16	16.8	0.2936	2.7177	1.2664	4.2778	0.2082	0.0641	0.047	0.3193
478	16.6	16.6	0.2947	2.7172	1.2664	4.2782	0.1974	0.0838	0.0363	0.3175
479	15.5	16.3	0.2958	2.7155	1.2674	4.2787	0.1786	0.0939	0.0281	0.3006
480	15.5	16	0.296	2.7154	1.2675	4.2789	0.1813	0.0989	0.0299	0.31
481	15.2	15.8	0.2961	2.7155	1.2677	4.2793	0.1476	0.1157	0.038	0.3012
482	15.6	15.7	0.2965	2.7158	1.2678	4.28	0.1248	0.1132	0.038	0.2759
483	15.2	15.4	0.2959	2.7173	1.2675	4.2807	0.1105	0.106	0.0246	0.2411
484	14.2	15.2	0.2946	2.7173	1.267	4.279	0.1212	0.0714	0.0239	0.2165
485	14	15.1	0.2954	2.7168	1.2664	4.2786	0.126	0.0426	0.0306	0.1991
486	14	15	0.297	2.7165	1.2665	4.28	0.1127	0.0304	0.0293	0.1724
487	14.6	14.9	0.2974	2.717	1.2669	4.2813	0.1061	0.0338	0.0204	0.1602
488	14.3	14.7	0.2977	2.7173	1.2663	4.2812	0.1196	0.0177	0.024	0.1613
489	14.6	14.6	0.298	2.7174	1.2661	4.2815	0.1078	0.0323	0.0269	0.1671
490	14.7	14.6	0.2981	2.717	1.2667	4.2818	0.082	0.0465	0.0306	0.159
491	14.9	14.5	0.2971	2.7168	1.2671	4.281	0.0671	0.0478	0.0283	0.1432
492	14.7	14.4	0.2958	2.7167	1.2673	4.2798	0.0579	0.0424	0.0223	0.1226
493	14.8	14.4	0.2939	2.7165	1.267	4.2774	0.0551	0.0309	0.0216	0.1077
494	15.3	14.3	0.2931	2.7163	1.2666	4.276	0.0378	0.0512	0.0185	0.1075
495	14.8	14.3	0.295	2.7159	1.2664	4.2773	0.0286	0.0464	0.0249	0.0999
496	14	14.2	0.2975	2.7155	1.2666	4.2796	0.0291	0.0435	0.0295	0.1021
497	13.8	14.2	0.2976	2.7153	1.2672	4.28	0.0117	0.0534	0.0241	0.0891
498	14	14.1	0.2966	2.715	1.2664	4.278	0.0051	0.0471	0.023	0.0752
499	14.8	14.1	0.2965	2.7139	1.2663	4.2767	0.0007	0.0509	0.0225	0.0741
500	14	14	0.2984	2.7127	1.266	4.2771	-0.009	0.0611	0.0277	0.0799
501	13.8	13.9	0.3011	2.7111	1.2662	4.2784	-0.0267	0.0846	0.0295	0.0875
502	13.4	13.8	0.3031	2.7099	1.2669	4.28	-0.0406	0.0944	0.0305	0.0843
503	13.1	13.7	0.305	2.7103	1.2673	4.2827	-0.0346	0.0978	0.0189	0.0821
504	13.5	13.6	0.3068	2.7092	1.2672	4.2832	-0.0075	0.1106	0.0136	0.1167
505	13	13.5	0.3075	2.7079	1.2675	4.283	0.0398	0.1091	0.0088	0.1577
506	14	13.4	0.3055	2.7097	1.2676	4.2828	0.0618	0.1165	0.0116	0.1899
507	13.6	13.3	0.3033	2.7115	1.2672	4.282	0.0551	0.1455	0.0082	0.2089
508	13.3	13.2	0.3024	2.711	1.268	4.2814	0.0476	0.1614	0.006	0.215
509	13.6	13.1	0.3019	2.7123	1.2675	4.2817	0.0397	0.1639	0.0147	0.2183

510	12.7	13.1	0.3027	2.714	1.2655	4.2822	0.0372	0.1718	0.0168	0.2258
511	12.5	13	0.3032	2.714	1.266	4.2831	0.0376	0.1862	0.0132	0.237
512	12.6	13	0.3037	2.7141	1.2669	4.2847	0.038	0.1755	0.0115	0.2249
513	13.4	13	0.3039	2.7145	1.2676	4.2861	0.0143	0.1678	0.006	0.1881
514	12.7	13	0.3037	2.7152	1.2678	4.2867	-0.0048	0.157	0.0021	0.1543
515	12.2	13	0.3036	2.7159	1.2676	4.2872	-0.0093	0.1204	0.0042	0.1153
516	12.4	12.9	0.3027	2.7162	1.2674	4.2863	-0.008	0.0894	0.0127	0.094
517	12.5	12.9	0.3021	2.7162	1.2674	4.2857	0.018	0.045	0.0156	0.0785
518	12.9	12.9	0.3026	2.7159	1.2671	4.2856	0.0166	0.0211	0.0109	0.0486
519	13.1	12.9	0.3013	2.7156	1.2674	4.2843	0.0016	0.0174	0.0136	0.0326
520	12.8	12.9	0.2991	2.7161	1.268	4.2832	0.0048	0.0246	0.0098	0.0391
521	13.2	12.9	0.2971	2.717	1.268	4.2821	0.0316	0.043	0.0113	0.0859
522	13	13	0.2961	2.7173	1.2675	4.2809	0.0444	0.0493	0.0128	0.1065
523	13.2	12.9	0.2961	2.7176	1.2673	4.281	0.0478	0.048	0.0101	0.1059
524	12.8	13	0.2963	2.7181	1.2672	4.2816	0.0431	0.0409	0.013	0.0971
525	13.3	13	0.2978	2.7183	1.2673	4.2833	0.0216	0.0468	0.0174	0.0858
526	12.6	13	0.2988	2.7183	1.2674	4.2845	0.0041	0.0477	0.0123	0.0641
527	13.6	13.1	0.2978	2.7192	1.2677	4.2847	-0.0164	0.0435	0.0115	0.0386
528	13.3	13.1	0.2955	2.7197	1.268	4.2833	-0.033	0.0463	0.0046	0.0179
529	13.4	13.1	0.2938	2.7204	1.2676	4.2818	-0.0266	0.0317	0.0006	0.0057
530	13.1	13.1	0.2949	2.7201	1.2671	4.2821	-0.0205	0.0197	0.009	0.0082
531	12.9	13.1	0.2966	2.7187	1.267	4.2824	-0.0086	0.0273	0.0081	0.0268
532	13	13	0.2981	2.7173	1.2671	4.2825	0.0057	0.0292	0.0141	0.049
533	13.4	13	0.2979	2.7175	1.2666	4.282	0.0101	0.018	0.021	0.0491
534	13	12.9	0.2971	2.718	1.2665	4.2817	0.0027	0.0231	0.0166	0.0423
535	12.7	12.9	0.2967	2.7184	1.2667	4.2818	-0.0052	0.0138	0.0083	0.0169
536	13.1	12.9	0.2968	2.7183	1.2666	4.2817	0.0119	0.0003	0.0016	0.0138
537	12.8	12.8	0.2968	2.7174	1.2666	4.2808	0.0374	-0.0058	0.0013	0.0329
538	12.6	12.7	0.2971	2.7163	1.2666	4.28	0.045	0.0001	0.0091	0.0541
539	12.8	12.6	0.2972	2.7156	1.2662	4.2791	0.0496	0.0026	0.0051	0.0572
540	13.5	12.6	0.2985	2.715	1.2657	4.2793	0.0593	0.0067	-0.0027	0.0633
541	12.6	12.5	0.3005	2.7149	1.2664	4.2818	0.0697	0.0092	0.0003	0.0792
542	12	12.5	0.3004	2.7154	1.2666	4.2824	0.0545	0.01	0.0091	0.0736
543	12	12.4	0.2998	2.7153	1.266	4.2811	0.0344	0.0098	0.0156	0.0598
544	12.5	12.4	0.2997	2.7148	1.2662	4.2806	0.0105	0.0147	0.0145	0.0397
545	12.1	12.4	0.3001	2.7151	1.2665	4.2817	-0.0123	0.0282	0.0072	0.0231
546	11.9	12.3	0.3018	2.7158	1.2666	4.2842	0.0014	0.0381	0.0012	0.0407

547	12.1	12.3	0.3024	2.7157	1.2669	4.285	0.0297	0.0384	0.0056	0.0737
548	12	12.2	0.3016	2.7154	1.267	4.2841	0.0358	0.0376	0.0247	0.0982
549	12.1	12.2	0.3011	2.7159	1.2666	4.2836	0.0313	0.0453	0.0229	0.0995
550	11.4	12.1	0.3009	2.7151	1.2665	4.2825	0.0249	0.026	0.015	0.0659
551	12.1	12	0.3013	2.715	1.2664	4.2826	0.0408	0.0034	0.0103	0.0546
552	12.8	12	0.3014	2.715	1.2669	4.2833	0.0767	-0.0134	0.0121	0.0753
553	12.2	12	0.3009	2.7153	1.2672	4.2834	0.0951	-0.0318	0.0212	0.0845
554	12.2	12	0.2996	2.7157	1.2674	4.2827	0.1032	-0.0341	0.0266	0.0957
555	12.3	12	0.299	2.7157	1.2673	4.282	0.1215	-0.0551	0.0233	0.0897
556	11.9	12	0.2993	2.7152	1.2671	4.2816	0.1327	-0.0695	0.0226	0.0858
557	12.1	12	0.2993	2.715	1.2672	4.2815	0.1232	-0.0562	0.0173	0.0843
558	11.4	12	0.2998	2.7142	1.2668	4.2808	0.1029	-0.0383	0.0139	0.0786
559	11.6	12	0.3005	2.7133	1.2666	4.2804	0.092	-0.0447	0.0223	0.0696
560	11.7	12	0.3008	2.7123	1.2668	4.2799	0.0912	-0.0374	0.0162	0.07
561	12	11.9	0.3003	2.712	1.2674	4.2797	0.1016	-0.0253	-0.0066	0.0697
562	12	11.9	0.2994	2.7125	1.2677	4.2796	0.108	-0.026	-0.0025	0.0794
563	11.9	11.9	0.2986	2.7129	1.2672	4.2787	0.1146	-0.025	0.01	0.0996
564	12	11.8	0.2972	2.7135	1.2668	4.2775	0.1178	-0.0155	0.0166	0.1189
565	12	11.8	0.2969	2.7139	1.2667	4.2775	0.1234	-0.0006	0.0171	0.1399
566	11.8	11.8	0.2954	2.715	1.2668	4.2772	0.1303	0.0162	0.0196	0.1661
567	11.8	11.8	0.2958	2.7151	1.2665	4.2774	0.1217	0.0255	0.0256	0.1728
568	12.1	11.8	0.2964	2.7132	1.2661	4.2758	0.1162	0.0244	0.0335	0.1741
569	11.6	11.8	0.2967	2.7125	1.2663	4.2756	0.1143	0.0331	0.0294	0.1768
570	11.3	11.8	0.2959	2.7126	1.2662	4.2747	0.0867	0.0441	0.0307	0.1615
571	12	11.8	0.2955	2.7125	1.2661	4.2741	0.0623	0.0608	0.0379	0.161
572	12	11.8	0.2951	2.7125	1.2664	4.274	0.0392	0.0583	0.0323	0.1298
573	11.7	11.7	0.2957	2.7124	1.2665	4.2746	0.0213	0.0535	0.0285	0.1034
574	11.3	11.7	0.2967	2.7124	1.2662	4.2752	0.0048	0.0559	0.0232	0.0839
575	11.7	11.7	0.2965	2.7119	1.266	4.2744	0.0087	0.0606	0.0212	0.0905
576	12	11.7	0.297	2.7124	1.2658	4.2752	0.0319	0.06	0.0243	0.1162
577	11.7	11.7	0.2969	2.7131	1.266	4.276	0.0392	0.0479	0.0249	0.1119
578	12.2	11.6	0.2973	2.714	1.2663	4.2776	0.0218	0.0533	0.0265	0.1015
579	11.7	11.6	0.2978	2.7136	1.2665	4.2778	-0.0083	0.0546	0.034	0.0803
580	11.1	11.6	0.2968	2.7126	1.2667	4.2762	-0.0022	0.0468	0.0313	0.0759
581	11.5	11.6	0.2955	2.7126	1.2662	4.2744	0.0349	0.0553	0.0237	0.114
582	11.4	11.6	0.2955	2.714	1.2657	4.2751	0.0567	0.0344	0.0212	0.1122
583	11.9	11.5	0.2956	2.715	1.2659	4.2765	0.083	0.02	0.0209	0.1239

584	12	11.5	0.2952	2.716	1.2662	4.2773	0.0743	0.0137	0.0169	0.1049
585	11.7	11.5	0.2942	2.7168	1.2662	4.2772	0.0646	0.0325	0.0151	0.1122
586	11.1	11.5	0.2932	2.7171	1.2664	4.2767	0.0659	0.0542	0.0178	0.1379
587	11.2	11.5	0.2929	2.717	1.2659	4.2759	0.0568	0.0705	0.0214	0.1488
588	11.3	11.5	0.2927	2.717	1.2658	4.2755	0.0513	0.0589	0.0243	0.1345
589	11.3	11.5	0.2921	2.7167	1.2663	4.2752	0.037	0.0505	0.0299	0.1174
590	11.7	11.5	0.2912	2.7161	1.2666	4.2739	0.04	0.0479	0.0274	0.1153
591	11.4	11.6	0.2917	2.7158	1.2662	4.2737	0.0567	0.0354	0.0263	0.1185
592	11.2	11.6	0.2923	2.7158	1.2657	4.2738	0.0738	0.0335	0.0342	0.1415
593	11.2	11.6	0.2929	2.715	1.2655	4.2734	0.0832	0.0394	0.0316	0.1542
594	11.5	11.5	0.2943	2.7135	1.2658	4.2736	0.0739	0.0398	0.0194	0.133
595	11.7	11.5	0.2949	2.7121	1.2663	4.2732	0.0695	0.0208	0.0166	0.107
596	11.6	11.5	0.2946	2.7117	1.266	4.2723	0.0912	0.0122	0.0152	0.1186
597	11.9	11.5	0.294	2.7115	1.2647	4.2702	0.1317	0.0155	0.0137	0.1609
598	11.3	11.4	0.2935	2.7104	1.2641	4.2681	0.1389	0.0122	0.0158	0.1668
599	11.7	11.4	0.294	2.7113	1.2648	4.2701	0.1286	0.0031	0.0225	0.1542
600	12.4	11.4	0.2943	2.7124	1.265	4.2716	0.1156	0.0058	0.0127	0.1341
601	12.1	11.3	0.2934	2.7124	1.265	4.2708	0.1157	-0.0028	0.0065	0.1193
602	11.6	11.4	0.2936	2.7131	1.2648	4.2715	0.1107	-0.0223	0.0053	0.0936
603	11.1	11.4	0.2947	2.7137	1.2647	4.2731	0.1062	-0.0318	0.0163	0.0907
604	10.8	11.4	0.2947	2.7147	1.2649	4.2743	0.0996	-0.0236	0.0249	0.1009
605	10.8	11.4	0.2942	2.7149	1.2653	4.2744	0.0794	-0.0216	0.0235	0.0813
606	10.9	11.4	0.2932	2.7153	1.2659	4.2744	0.0718	-0.0215	0.0196	0.0699
607	10.9	11.4	0.293	2.7153	1.2658	4.2741	0.0738	-0.033	0.021	0.0619
608	11	11.4	0.2932	2.7155	1.2658	4.2745	0.0603	-0.0343	0.0269	0.0529
609	10.8	11.4	0.2928	2.716	1.2659	4.2747	0.0517	-0.0359	0.0246	0.0404
610	11	11.4	0.2926	2.7165	1.2661	4.2752	0.0449	-0.033	0.0249	0.0368
611	11.8	11.3	0.2924	2.7166	1.2662	4.2752	0.0411	-0.0305	0.0321	0.0427
612	11.4	11.3	0.2923	2.7166	1.2659	4.2748	0.0357	-0.0317	0.0385	0.0424
613	11.5	11.2	0.2922	2.7161	1.266	4.2742	0.0255	-0.0081	0.0422	0.0595
614	11.9	11.2	0.2913	2.7153	1.2661	4.2727	0.0097	-0.0059	0.0327	0.0364
615	11.8	11.2	0.2906	2.7143	1.2657	4.2705	-0.0078	-0.0003	0.0244	0.0163
616	11.7	11.3	0.2906	2.7136	1.2649	4.2691	0.0149	0.0151	0.0152	0.0452
617	11.2	11.3	0.2905	2.7137	1.264	4.2683	0.027	0.0316	0.0186	0.0771
618	12.2	11.3	0.2911	2.7126	1.2642	4.2679	0.0272	0.0359	0.0177	0.0809
619	11.2	11.3	0.2927	2.7112	1.2643	4.2682	0.0326	0.0223	0.0134	0.0684
620	10.9	11.3	0.2929	2.71	1.2642	4.2671	0.0356	0.027	0.0142	0.0768

621	10.9	11.2	0.2931	2.7112	1.2647	4.2691	0.0246	0.0307	0.016	0.0713
622	10.5	11.2	0.294	2.7119	1.2646	4.2705	0.013	0.0349	0.0149	0.0627
623	10.9	11.2	0.2956	2.712	1.265	4.2726	0.0112	0.0259	0.025	0.0621
624	11	11.1	0.2954	2.712	1.2651	4.2725	0.0237	0.0156	0.0273	0.0666
625	11.2	11	0.2946	2.7123	1.2649	4.2717	0.0314	0.0189	0.0236	0.0739
626	11.4	10.9	0.2949	2.7135	1.2649	4.2733	0.0216	0.0085	0.0244	0.0544
627	10.8	10.9	0.2956	2.7139	1.2651	4.2746	0.0159	-0.0037	0.0242	0.0364
628	11	10.8	0.2963	2.7143	1.2647	4.2752	0.012	-0.0024	0.0263	0.0359
629	10.7	10.8	0.294	2.7157	1.2645	4.2742	0.0203	0.0056	0.0246	0.0505
630	10.8	10.8	0.2914	2.7146	1.2647	4.2707	0.0331	-0.0095	0.0236	0.0472
631	10.8	10.8	0.2909	2.7153	1.2649	4.2711	0.0328	-0.0178	0.0246	0.0397
632	11	10.8	0.2898	2.7153	1.265	4.2701	0.026	-0.0199	0.0222	0.0283
633	10.4	10.8	0.2905	2.7161	1.2649	4.2715	0.0226	-0.0137	0.0026	0.0115
634	9.96	10.9	0.2906	2.7148	1.265	4.2705	0.0317	0.0007	0.0053	0.0378
635	10.5	10.8	0.2901	2.713	1.2649	4.2681	0.0239	0.0157	0.0054	0.045
636	10.8	10.8	0.2911	2.7113	1.2645	4.2668	0.0062	0.0253	0.0058	0.0374
637	10.9	10.8	0.2917	2.7115	1.2642	4.2673	-0.0079	0.0269	0.0116	0.0306
638	10.5	10.8	0.2934	2.7113	1.2636	4.2683	-0.0134	0.025	0.011	0.0226
639	11.1	10.8	0.2932	2.7108	1.2635	4.2675	-0.0085	0.0303	0.0128	0.0346
640	10.6	10.8	0.2928	2.7115	1.2631	4.2674	-0.0172	0.0349	0.0172	0.0349
641	10.9	10.8	0.2931	2.7116	1.263	4.2677	-0.0235	0.0297	0.0167	0.023
642	11.6	10.8	0.2921	2.7115	1.2635	4.267	-0.0146	0.0243	0.016	0.0258
643	11.3	10.8	0.2924	2.7113	1.2641	4.2678	-0.0104	0.0263	0.0161	0.032
644	11.1	10.9	0.2927	2.7127	1.2645	4.2699	0.0311	0.0349	0.012	0.0781
645	10.6	10.9	0.291	2.7139	1.2649	4.2698	0.0575	0.0208	0.0178	0.096
646	10.4	10.9	0.2886	2.7143	1.2652	4.2681	0.0592	0.0035	0.0263	0.089
647	10.6	10.8	0.2885	2.7145	1.2653	4.2683	0.0567	-0.002	0.0258	0.0805
648	10.9	10.8	0.2888	2.7151	1.2648	4.2687	0.0473	-0.0116	0.0133	0.049
649	10.6	10.8	0.2895	2.7153	1.2654	4.2702	0.0474	-0.0317	0.0061	0.0219
650	10.7	10.9	0.2893	2.7154	1.2659	4.2706	0.0552	-0.0355	0.0109	0.0306
651	11.4	10.8	0.2902	2.7172	1.2658	4.2732	0.0628	-0.038	0.0097	0.0346
652	11.2	10.8	0.2908	2.7182	1.2652	4.2742	0.0544	-0.0394	0.0138	0.0288
653	10.7	10.8	0.2909	2.7177	1.2647	4.2733	0.0388	-0.0292	0.0136	0.0232
654	10.6	10.8	0.2916	2.7179	1.265	4.2745	0.0438	-0.0152	0.0063	0.035
655	10.6	10.9	0.2918	2.7179	1.2654	4.275	0.0497	-0.0029	0.014	0.0607
656	10.7	10.9	0.2919	2.7185	1.265	4.2754	0.0368	0.0025	0.0151	0.0544
657	10.6	10.9	0.2933	2.7184	1.2645	4.2762	0.0142	0.0016	0.0159	0.0317

658	10.7	10.9	0.2946	2.7178	1.2643	4.2767	0.0005	-0.0047	0.0166	0.0124
659	11.1	10.9	0.296	2.7166	1.2641	4.2767	-0.0108	-0.007	0.0174	-0.0004
660	10.8	11	0.2967	2.7153	1.2636	4.2756	-0.0243	-0.0029	0.0177	-0.0095
661	11.1	11	0.2967	2.7152	1.2636	4.2755	-0.029	0.0007	0.0155	-0.0128
662	11.4	10.9	0.2969	2.7133	1.2634	4.2736	-0.0289	-0.0006	0.0136	-0.0159
663	11.1	10.9	0.2976	2.7135	1.2639	4.275	-0.0318	-0.0012	0.0085	-0.0246
664	11.3	11	0.298	2.7135	1.2644	4.2759	-0.0377	-0.0115	0.0129	-0.0362
665	11.2	11	0.2954	2.7124	1.2652	4.273	-0.0523	-0.0195	0.0173	-0.0545
666	11	11	0.2927	2.7118	1.2649	4.2694	-0.0603	-0.015	0.0138	-0.0615
667	11	11	0.2931	2.7115	1.2647	4.2693	-0.0629	-0.0196	0.0056	-0.0769
668	10.8	11.1	0.2932	2.711	1.2648	4.269	-0.0687	-0.0181	-0.0024	-0.0892
669	11.4	11.1	0.2932	2.7098	1.2649	4.2679	-0.0653	-0.029	-0.0036	-0.0979
670	10.8	11.1	0.2935	2.7095	1.2646	4.2676	-0.0496	-0.0438	-0.0018	-0.0952
671	11	11.1	0.2942	2.709	1.2646	4.2678	-0.0483	-0.0495	-0.0019	-0.0997
672	10.3	11.1	0.294	2.7099	1.2639	4.2678	-0.049	-0.0365	0.001	-0.0845
673	11.3	11.1	0.2933	2.7108	1.2638	4.268	-0.0382	-0.032	-0.0025	-0.0727
674	10.8	11.1	0.2935	2.7105	1.2638	4.2678	-0.0095	-0.0359	0.0016	-0.0438
675	10.9	11.1	0.2943	2.7111	1.2636	4.269	-0.0047	-0.0392	0.0057	-0.0383
676	11.4	11.1	0.2954	2.7128	1.2634	4.2715	-0.0064	-0.041	0.0094	-0.038
677	11.4	11	0.2957	2.7133	1.2634	4.2724	0.0098	-0.029	0.0132	-0.006
678	11.5	11	0.2953	2.7134	1.2638	4.2726	0.0223	-0.0255	0.0159	0.0127
679	11.1	11	0.2945	2.7145	1.2641	4.2731	0.037	-0.0197	0.0113	0.0286
680	10.9	11	0.2936	2.7144	1.2643	4.2722	0.0121	-0.0056	0.004	0.0105
681	11.4	11	0.2929	2.7146	1.264	4.2715	-0.015	-0.0153	0.0009	-0.0295
682	11.7	11	0.2932	2.7154	1.2654	4.274	-0.0335	-0.0055	0.0017	-0.0373
683	11.6	10.9	0.2924	2.7149	1.2653	4.2727	-0.0617	0.0044	0	-0.0573
684	10.4	10.9	0.2928	2.7144	1.2656	4.2728	-0.0576	0.0222	0.0008	-0.0347
685	10.5	10.9	0.2936	2.7143	1.2656	4.2735	-0.0656	0.0117	0.0072	-0.0467
686	10.7	10.9	0.294	2.7144	1.2652	4.2736	-0.0797	-0.0111	0.007	-0.0839
687	10.4	10.8	0.2943	2.7145	1.2649	4.2736	-0.0604	-0.0419	0.0027	-0.0996
688	10.5	10.8	0.2935	2.714	1.2645	4.272	-0.0439	-0.0461	0.0007	-0.0893
689	10.8	10.7	0.2938	2.7132	1.2646	4.2717	-0.0224	-0.0492	-0.0062	-0.0778
690	10.9	10.7	0.2935	2.7131	1.2649	4.2716	-0.0263	-0.0588	-0.0128	-0.098
691	10.8	10.7	0.2931	2.7134	1.2646	4.2711	-0.0303	-0.0538	-0.0158	-0.0999
692	10.4	10.6	0.2934	2.7131	1.2641	4.2706	-0.0266	-0.057	-0.0157	-0.0993
693	10.8	10.6	0.2898	2.7115	1.2643	4.2656	-0.0293	-0.0529	-0.0076	-0.0898
694	10.4	10.6	0.2885	2.7114	1.2641	4.264	-0.0237	-0.0468	0.0012	-0.0693

695	10.6	10.6	0.289	2.7117	1.2637	4.2643	-0.015	-0.0355	0.0059	-0.0446
696	10.5	10.7	0.2889	2.7119	1.2634	4.2642	-0.0063	-0.0268	0.0105	-0.0227
697	10.4	10.7	0.2893	2.7127	1.2634	4.2653	-0.0257	-0.0188	0.0132	-0.0312
698	10.4	10.7	0.2888	2.7136	1.2635	4.2659	-0.0204	-0.0125	0.019	-0.0138
699	10.8	10.7	0.2885	2.7148	1.2637	4.267	-0.0171	-0.0052	0.0128	-0.0095
700	10.8	10.7	0.288	2.7162	1.264	4.2682	-0.0036	-0.0068	0.0164	0.006
701	10.8	10.7	0.288	2.7164	1.2636	4.268	-0.0028	-0.0054	0.0212	0.013
702	11.1	10.7	0.2897	2.7161	1.2634	4.2692	-0.0056	0.0047	0.0198	0.0188
703	10.3	10.7	0.2903	2.7153	1.264	4.2696	0.0004	0.0024	0.0079	0.0106
704	10.6	10.7	0.2897	2.715	1.2635	4.2682	0.003	-0.0055	-0.0017	-0.0041
705	11.6	10.7	0.2905	2.7146	1.2638	4.2689	0.0107	-0.005	-0.0004	0.0053
706	10.9	10.8	0.2918	2.7151	1.2643	4.2712	0.0149	-0.0155	0.0046	0.004
707	10.7	10.8	0.2929	2.7158	1.2642	4.2729	0.0192	-0.0159	0.0046	0.0078
708	10.8	10.8	0.2943	2.7162	1.2641	4.2745	0.0284	-0.0185	0.0036	0.0135
709	10.9	10.8	0.2952	2.7163	1.2641	4.2757	0.0371	-0.0259	0.0051	0.0163
710	10.7	10.9	0.2955	2.7164	1.2646	4.2765	0.02	-0.0295	0.0071	-0.0025
711	10.7	10.9	0.2953	2.7166	1.2649	4.2768	0.026	-0.0347	0.0003	-0.0085
712	10.5	10.8	0.2954	2.7167	1.265	4.2772	0.029	-0.0295	-0.0033	-0.0038
713	10.8	10.8	0.2959	2.7172	1.2647	4.2778	0.0416	-0.0442	-0.0056	-0.0083
714	10.8	10.8	0.2966	2.7172	1.2644	4.2782	0.0546	-0.0347	-0.0011	0.0187
715	11	10.8	0.2966	2.7158	1.2643	4.2767	0.0581	-0.0303	0.0063	0.0341
716	11	10.8	0.2969	2.7156	1.2643	4.2767	0.0309	-0.0428	0.0156	0.0036
717	10.9	10.9	0.2974	2.7156	1.2643	4.2772	0.0093	-0.0454	0.0109	-0.0252
718	11.1	10.9	0.2977	2.7155	1.2645	4.2777	0.0184	-0.0477	0.0066	-0.0227
719	11.3	10.9	0.2976	2.7156	1.2645	4.2777	0.023	-0.0532	0.0105	-0.0197
720	10.6	10.9	0.2978	2.7149	1.2644	4.277	0.0238	-0.0649	0.0088	-0.0322
721	10.5	10.9	0.298	2.7148	1.2646	4.2775	0.0183	-0.0654	0.006	-0.0411
722	10.7	10.9	0.2978	2.7151	1.2649	4.2778	0.012	-0.0763	-0.0015	-0.0658
723	10.7	10.9	0.2966	2.7156	1.2648	4.277	-0.0038	-0.066	-0.0091	-0.0789
724	10.5	10.9	0.2959	2.716	1.2645	4.2764	-0.0133	-0.0705	-0.0044	-0.0882
725	10.9	10.8	0.2952	2.7164	1.2639	4.2755	-0.0153	-0.0694	-0.0014	-0.0861
726	12	10.8	0.2939	2.7164	1.2636	4.2739	-0.002	-0.0524	-0.0058	-0.0602
727	11.1	10.8	0.2933	2.7165	1.2635	4.2733	0.0202	-0.0261	-0.0052	-0.0111
728	10.6	10.8	0.2926	2.7162	1.2635	4.2724	0.0358	-0.0141	-0.0062	0.0155
729	10.7	10.7	0.2928	2.7162	1.2641	4.2732	0.0379	-0.0075	-0.0045	0.0259
730	10.6	10.7	0.2929	2.7161	1.2646	4.2736	0.0346	0.0124	-0.004	0.043
731	10.8	10.8	0.2943	2.7158	1.2647	4.2749	0.0308	0.0175	-0.0028	0.0455

732	10.7	10.8	0.296	2.7148	1.265	4.2758	0.0254	0.0214	-0.0007	0.0461
733	10.5	10.7	0.2963	2.7139	1.2649	4.275	0.0332	0.0277	0.0157	0.0766
734	10.4	10.8	0.2972	2.7136	1.2643	4.2751	0.0263	0.0293	0.0136	0.0692
735	10.5	10.8	0.2981	2.7141	1.2642	4.2764	0.025	0.0257	0.019	0.0698
736	10.7	10.7	0.2971	2.7154	1.2642	4.2768	0.0268	0.0135	0.0243	0.0645
737	10.7	10.7	0.2961	2.7161	1.2641	4.2763	0.0298	0.0053	0.0241	0.0591
738	10.5	10.7	0.2956	2.7162	1.2642	4.276	0.0337	0.0095	0.0201	0.0633
739	10.7	10.7	0.2959	2.7167	1.2648	4.2773	0.0138	0.0026	0.0152	0.0316
740	11	10.7	0.2959	2.7169	1.2647	4.2774	0.0012	-0.0096	0.0175	0.0091
741	10.7	10.7	0.2958	2.7173	1.2645	4.2776	-0.0069	-0.0052	0.0231	0.011
742	10.4	10.6	0.295	2.7167	1.2642	4.276	-0.0145	-0.0148	0.017	-0.0123
743	11.2	10.6	0.2947	2.716	1.264	4.2747	-0.0182	-0.0252	0.0075	-0.0358
744	10.8	10.6	0.2942	2.7162	1.2639	4.2744	-0.0656	-0.0394	0.0083	-0.0967
745	10.5	10.6	0.2916	2.7166	1.2639	4.2721	-0.0863	-0.0383	0.0052	-0.1194
746	10.8	10.6	0.2912	2.7162	1.2639	4.2712	-0.0818	-0.0358	0.0007	-0.117
747	10.3	10.5	0.2905	2.7157	1.2634	4.2697	-0.0769	-0.0369	-0.0015	-0.1153
748	10.8	10.5	0.2905	2.7156	1.2635	4.2696	-0.0617	-0.0253	0.0016	-0.0854
749	10.8	10.5	0.2899	2.716	1.2637	4.2696	-0.0578	-0.0091	0.0011	-0.0659
750	10.4	10.5	0.2896	2.7159	1.2638	4.2693	-0.0487	-0.0009	0.0052	-0.0444
751	10.6	10.5	0.2908	2.7167	1.2639	4.2713	-0.0401	0.0076	0.0103	-0.0222
752	10.2	10.5	0.2907	2.7179	1.2644	4.2731	-0.0372	-0.0022	0.001	-0.0384
753	9.92	10.4	0.2906	2.7183	1.2649	4.2738	-0.0247	-0.0084	0.0011	-0.0321
754	10.3	10.4	0.2906	2.7184	1.2651	4.274	-0.0245	-0.0135	0.0107	-0.0273
755	10.1	10.4	0.2903	2.7194	1.2649	4.2746	-0.0384	-0.0188	0.011	-0.0461
756	10.1	10.4	0.29	2.7201	1.2646	4.2747	-0.0391	-0.0171	0.0131	-0.0431
757	10.6	10.4	0.2904	2.7203	1.2641	4.2749	-0.0236	-0.0167	0.0123	-0.028
758	10.2	10.4	0.2909	2.7204	1.2638	4.2751	-0.0244	-0.0113	0.0083	-0.0274
759	10.8	10.4	0.294	2.7195	1.2634	4.277	-0.0104	-0.0093	0.0038	-0.0159
760	10.4	10.4	0.2941	2.7188	1.2636	4.2764	-0.0053	-0.0139	0.0007	-0.0185
761	10.3	10.4	0.2938	2.7181	1.2639	4.2759	-0.0037	-0.0142	0.0019	-0.0161
762	10.5	10.4	0.2927	2.7177	1.264	4.2745	-0.0064	-0.0066	0.0023	-0.0107
763	10.5	10.4	0.2921	2.717	1.2641	4.2732	-0.0097	-0.0019	0.0035	-0.0082
764	10.7	10.4	0.2922	2.7166	1.2638	4.2725	-0.0078	0.0066	-0.0002	-0.0014
765	10.6	10.4	0.2923	2.7167	1.2636	4.2727	0.0011	0.0241	-0.0018	0.0234
766	10.3	10.4	0.2918	2.7164	1.2638	4.272	0.008	0.0206	0.0013	0.0299
767	10.3	10.4	0.2912	2.7163	1.2641	4.2716	0.0191	0.0212	0.0022	0.0424
768	10.6	10.3	0.2909	2.7163	1.2637	4.2709	0.0301	0.0271	-0.0023	0.0549

769	10.1	10.3	0.2908	2.7163	1.264	4.2711	0.0337	0.0247	-0.0016	0.0568
770	10.7	10.3	0.2917	2.716	1.264	4.2717	0.0296	0.024	-0.0013	0.0523
771	10.2	10.3	0.293	2.7166	1.2647	4.2744	0.0276	0.0147	0.0016	0.0439
772	10.1	10.3	0.2944	2.7165	1.2648	4.2757	0.0308	0.0196	0.0061	0.0565
773	9.98	10.3	0.2947	2.7179	1.2643	4.2768	0.0265	0.0303	0.0069	0.0637
774	10	10.2	0.295	2.7174	1.264	4.2764	0.0195	0.0373	0.0075	0.0643
775	10.2	10.2	0.2945	2.7163	1.2641	4.275	0.0135	0.0416	0.0069	0.062
776	10	10.1	0.2934	2.7154	1.2639	4.2727	0.0102	0.0521	0.0036	0.0659
777	10	10.1	0.2921	2.7147	1.264	4.2708	0.0011	0.0528	0.002	0.0559
778	10.2	10.1	0.2915	2.7142	1.2643	4.27	0.0056	0.0377	0.0006	0.0439
779	10	10	0.291	2.7133	1.2645	4.2688	0.0042	0.0169	0.0015	0.0226
780	10	9.99	0.2905	2.7127	1.2645	4.2677	0.0008	0.0061	0.0074	0.0143
781	10.3	9.96	0.2904	2.7124	1.2641	4.2669	0.0084	-0.0099	0.0116	0.0101
782	10.4	9.93	0.2899	2.7126	1.2638	4.2663	0.0229	-0.0221	0.0139	0.0147
783	9.77	9.9	0.2898	2.712	1.264	4.2658	0.0257	-0.0338	0.0185	0.0105
784	9.66	9.86	0.2903	2.7118	1.2637	4.2658	0.0254	-0.0423	0.0201	0.0031
785	9.89	9.84	0.2909	2.7129	1.2632	4.267	0.019	-0.0485	0.016	-0.0135
786	9.72	9.81	0.2911	2.7139	1.2628	4.2677	0.0279	-0.0466	0.013	-0.0057
787	9.93	9.81	0.2909	2.7136	1.2628	4.2673	0.0116	-0.0303	0.0133	-0.0054
788	9.67	9.81	0.2922	2.7137	1.263	4.2689	0.0007	-0.023	0.0146	-0.0077
789	9.68	9.81	0.2937	2.7142	1.2629	4.2708	-0.0071	-0.0251	0.0178	-0.0144
790	9.57	9.84	0.2942	2.7137	1.2626	4.2705	-0.0041	-0.0152	0.024	0.0047
791	9.51	9.83	0.2946	2.7148	1.2629	4.2723	-0.0055	-0.0046	0.0257	0.0156
792	9.59	9.82	0.2952	2.7156	1.2634	4.2742	-0.0013	0.0066	0.0224	0.0277
793	9.28	9.86	0.2963	2.7155	1.2635	4.2753	0.0013	0.0014	0.0141	0.0169
794	9.64	9.9	0.2972	2.7153	1.2635	4.276	0.005	-0.0064	0.0067	0.0053
795	9.56	9.92	0.2971	2.7153	1.2636	4.276	0.0042	-0.0091	0.005	0
796	10	9.96	0.2966	2.7156	1.2636	4.2757	-0.018	-0.0116	0.0056	-0.024
797	10.1	9.98	0.2954	2.7152	1.2632	4.2738	-0.0285	-0.0224	0.0111	-0.0398
798	10.2	10	0.2946	2.7145	1.2634	4.2725	-0.0353	-0.0272	0.0033	-0.0592
799	10.6	10.1	0.2934	2.7149	1.2632	4.2715	-0.037	-0.0282	-0.0009	-0.0661
800	10.1	10.1	0.292	2.7154	1.263	4.2704	-0.0395	-0.0253	0.0045	-0.0602
801	10.2	10.2	0.2917	2.7166	1.2635	4.2718	-0.0361	-0.0253	0.0052	-0.0562
802	10.5	10.2	0.2922	2.7169	1.2633	4.2724	-0.0189	-0.0231	0.0073	-0.0346
803	10.4	10.3	0.2927	2.7166	1.263	4.2723	-0.0212	-0.0159	0.0143	-0.0229
804	10.4	10.3	0.2935	2.7169	1.2624	4.2728	-0.0273	-0.0101	0.0182	-0.0192
805	10.4	10.3	0.2944	2.7164	1.2625	4.2733	-0.0394	-0.0035	0.0177	-0.0252

806	10.3	10.3	0.2941	2.7168	1.263	4.274	-0.055	0.001	0.0159	-0.0381
807	10.8	10.3	0.2954	2.7169	1.2633	4.2756	-0.0542	0.004	0.0128	-0.0374
808	10.4	10.3	0.2953	2.7171	1.2637	4.2761	-0.0376	0.0017	0.0103	-0.0256
809	10.7	10.2	0.2957	2.7177	1.2641	4.2775	-0.0271	0.0017	0.0055	-0.0198
810	10.3	10.2	0.2958	2.7179	1.2644	4.2781	0.0091	-0.0061	0.001	0.004
811	10.4	10.2	0.2959	2.7173	1.2646	4.2778	0.017	-0.0109	0.0054	0.0115
812	10.5	10.1	0.2964	2.7169	1.2647	4.2781	0.0197	-0.0218	0.0124	0.0104
813	10.2	10.1	0.2967	2.7166	1.2647	4.278	0.0118	-0.0324	0.017	-0.0036
814	9.97	10.1	0.2965	2.7148	1.2646	4.2758	0.0078	-0.0412	0.0166	-0.0168
815	9.71	10.1	0.2958	2.7137	1.2642	4.2737	0.0057	-0.0427	0.0108	-0.0262
816	9.57	10.1	0.295	2.7135	1.2641	4.2725	0.01	-0.0406	0.0085	-0.0221
817	9.67	10	0.2944	2.7128	1.2645	4.2717	0.0016	-0.0292	0.0112	-0.0164
818	9.84	9.99	0.2943	2.713	1.2647	4.272	-0.0015	-0.0269	0.0154	-0.013
819	9.64	9.97	0.2947	2.7132	1.2646	4.2725	0.0047	-0.0259	0.0131	-0.0081
820	9.34	9.96	0.295	2.7135	1.2642	4.2727	0.008	-0.024	0.0131	-0.003
821	9.4	9.94	0.295	2.7129	1.264	4.2719	0.0287	-0.0248	0.0155	0.0195
822	10.1	9.9	0.2951	2.7121	1.2642	4.2714	0.0597	-0.0061	0.0284	0.0819
823	10.5	9.91	0.2946	2.7119	1.2641	4.2706	0.0768	0.0032	0.0273	0.1074
824	10.2	9.93	0.2945	2.7118	1.2638	4.2702	0.0758	0.0224	0.0179	0.1161
825	10.1	9.94	0.2942	2.7112	1.2636	4.2689	0.078	0.0126	0.0188	0.1094
826	9.88	9.98	0.2938	2.7111	1.2634	4.2683	0.0652	0.0028	0.0224	0.0905
827	9.87	9.98	0.2928	2.7127	1.2634	4.2689	0.0473	0.0017	0.0185	0.0676
828	10.2	9.97	0.2922	2.7145	1.2634	4.2701	0.028	-0.0078	0.0164	0.0365
829	10.2	10	0.2928	2.7156	1.2634	4.2717	0.0152	-0.02	0.0197	0.0149
830	9.85	10.1	0.292	2.7171	1.2635	4.2726	0.006	-0.0253	0.0229	0.0036
831	9.81	10.1	0.292	2.718	1.2634	4.2734	0.0025	-0.0231	0.0234	0.0028
832	10.3	10.1	0.2934	2.7182	1.2631	4.2748	0.006	-0.0287	0.0159	-0.0067
833	10.4	10.1	0.2937	2.7181	1.2628	4.2747	0.0061	-0.0265	0.0126	-0.0078
834	9.98	10.1	0.2953	2.7185	1.2627	4.2765	-0.0029	-0.03	0.0169	-0.016
835	10.3	10.1	0.2953	2.7188	1.2629	4.277	-0.0162	-0.0286	0.0102	-0.0346
836	9.72	10.1	0.296	2.7185	1.2629	4.2773	-0.0187	-0.0211	0.0059	-0.0338
837	9.75	10.1	0.296	2.7184	1.2626	4.277	-0.0092	-0.0135	0.0048	-0.018
838	10.5	10.1	0.2964	2.7187	1.2624	4.2775	-0.0115	-0.0187	0.004	-0.0262
839	10.4	10.1	0.2963	2.7182	1.2624	4.2769	-0.0051	-0.0252	0.0019	-0.0285
840	10.3	10.1	0.2964	2.7173	1.2621	4.2758	0.0038	-0.0258	0.0016	-0.0204
841	10.3	10.1	0.2959	2.7166	1.2623	4.2748	0.0079	-0.0396	-0.0003	-0.032
842	10.4	10.1	0.2949	2.7166	1.2628	4.2743	0.0347	-0.0355	-0.0055	-0.0062

843	9.93	10.1	0.2942	2.7167	1.2633	4.2742	0.0559	-0.0358	-0.0004	0.0197
844	10	10.1	0.2938	2.7172	1.2634	4.2744	0.0614	-0.0502	0.0077	0.0189
845	10.2	10	0.2934	2.7177	1.2633	4.2745	0.0659	-0.0482	0.0082	0.0259
846	9.92	10.1	0.294	2.7184	1.2628	4.2752	0.0674	-0.0421	0.0054	0.0307
847	9.91	10.1	0.2941	2.7184	1.2631	4.2756	0.06	-0.0261	0.0038	0.0378
848	9.84	10	0.2942	2.7184	1.2636	4.2762	0.0447	-0.0296	0.0017	0.0168
849	10.1	10	0.2939	2.7185	1.2633	4.2756	0.0307	-0.0397	0.0029	-0.0061
850	9.82	10	0.2932	2.7184	1.2633	4.2749	0.0004	-0.0341	0.0031	-0.0306
851	9.9	10	0.2926	2.719	1.2631	4.2748	-0.0224	-0.0216	0.0024	-0.0415
852	10	10	0.2929	2.7195	1.263	4.2754	-0.0235	-0.0084	0.0106	-0.0213
853	9.75	10.1	0.2933	2.7193	1.2631	4.2757	-0.0212	-0.0118	0.0107	-0.0222
854	9.83	10.1	0.2945	2.7187	1.2633	4.2765	-0.0341	-0.014	0.0114	-0.0367
855	10.1	10.1	0.2958	2.7193	1.2633	4.2784	-0.0314	0.0037	0.006	-0.0217
856	10.2	10.1	0.2954	2.7197	1.2633	4.2784	-0.0154	0.0013	0.0068	-0.0073
857	9.97	10.1	0.2942	2.7201	1.2631	4.2774	-0.0057	0.0134	0.0143	0.0219
858	9.78	10.2	0.2936	2.7202	1.2633	4.2771	0.0205	0.0162	0.0162	0.0529
859	10.2	10.2	0.2931	2.7202	1.2633	4.2766	0.04	0.0216	0.0185	0.0801
860	10.6	10.2	0.2924	2.7199	1.263	4.2753	0.0588	0.0271	0.0208	0.1068
861	10.9	10.2	0.2918	2.7203	1.2627	4.2748	0.0669	0.0213	0.0234	0.1117
862	10.5	10.2	0.2916	2.721	1.2623	4.2748	0.0681	0.0087	0.0287	0.1055
863	10.2	10.2	0.2914	2.7211	1.2624	4.2749	0.0699	0.0011	0.0303	0.1013
864	10.3	10.2	0.2916	2.7208	1.2627	4.2751	0.0658	-0.0081	0.0278	0.0855
865	10.3	10.2	0.2913	2.7208	1.2628	4.2749	0.0583	-0.0213	0.025	0.0621
866	10.2	10.3	0.2916	2.7193	1.2627	4.2736	0.0528	-0.0243	0.0198	0.0483
867	10.4	10.3	0.2914	2.719	1.2625	4.2729	0.0395	-0.0143	0.0217	0.047
868	9.94	10.3	0.2904	2.7189	1.2624	4.2717	0.0281	-0.0259	0.0214	0.0237
869	10.1	10.3	0.29	2.7187	1.2627	4.2714	0.019	-0.027	0.017	0.009
870	9.92	10.4	0.2888	2.7185	1.2625	4.2698	0.0233	-0.023	0.0175	0.0178
871	10.2	10.3	0.287	2.7173	1.2619	4.2662	0.0293	-0.0242	0.0159	0.0209
872	10.2	10.3	0.2867	2.7162	1.2621	4.265	0.0337	-0.0369	0.0171	0.014
873	10.3	10.3	0.2871	2.7156	1.2625	4.2652	0.0345	-0.0419	0.0193	0.0118
874	10.4	10.2	0.2872	2.7161	1.2621	4.2655	0.0242	-0.0412	0.0166	-0.0004
875	10.4	10.2	0.288	2.7161	1.2619	4.266	0.0253	-0.038	0.0109	-0.0018
876	10.5	10.2	0.2886	2.7152	1.2621	4.2659	0.0225	-0.049	0.0058	-0.0207
877	10.6	10.2	0.2893	2.7155	1.2623	4.2672	0.0136	-0.0493	0.0015	-0.0342
878	10.6	10.2	0.29	2.7162	1.2623	4.2685	0.0065	-0.0341	0.0003	-0.0272
879	10.8	10.1	0.2904	2.7158	1.2622	4.2685	0.006	-0.0108	0.0007	-0.0041

880	10.3	10.1	0.2902	2.715	1.2622	4.2674	0.016	0.005	-0.0002	0.0208
881	10.2	10.1	0.2898	2.7153	1.2625	4.2676	0.0153	0.0187	0.0024	0.0363
882	9.91	10.1	0.2893	2.7153	1.2626	4.2671	0.0141	0.0392	-0.0002	0.0531
883	9.54	10	0.2901	2.715	1.2623	4.2674	0.032	0.0448	0.0006	0.0775
884	9.49	10	0.2919	2.7147	1.2627	4.2693	0.045	0.0508	0.0028	0.0986
885	10.1	10	0.2928	2.715	1.2626	4.2704	0.0688	0.0578	0.003	0.1296
886	9.8	9.99	0.292	2.7152	1.2623	4.2695	0.0643	0.0599	0.0076	0.1318
887	9.7	9.97	0.292	2.7154	1.2624	4.2699	0.0569	0.0579	0.0087	0.1236
888	9.71	9.96	0.2927	2.7162	1.2628	4.2717	0.0415	0.0538	0.0043	0.0995
889	9.7	9.92	0.2933	2.7168	1.2627	4.2728	0.0358	0.0574	0.002	0.0952
890	9.75	9.9	0.2934	2.7176	1.2627	4.2737	0.0284	0.0488	0.0018	0.079
891	9.87	9.88	0.2911	2.7184	1.2634	4.2729	0.0242	0.0336	-0.001	0.0568
892	9.58	9.85	0.2896	2.7192	1.2634	4.2722	0.0202	0.0212	0.0015	0.0429
893	9.89	9.85	0.2902	2.7205	1.2627	4.2734	0.0085	0.0164	0.0025	0.0274
894	10.1	9.88	0.2906	2.7201	1.2627	4.2734	-0.0074	0.0205	0.0077	0.0208
895	10.1	9.88	0.2904	2.7195	1.2631	4.273	-0.0153	0.0277	0.0067	0.0191
896	10.3	9.91	0.2906	2.7182	1.2632	4.272	-0.0058	0.0292	0.0085	0.0319
897	10.4	9.94	0.291	2.7182	1.263	4.2722	0.0134	0.0312	0.0069	0.0516
898	10.1	9.98	0.2915	2.7185	1.2631	4.2731	0.0151	0.0255	0.0084	0.049
899	9.89	10.1	0.2933	2.7183	1.2629	4.2745	0.0141	0.0255	0.013	0.0527
900	9.64	10.1	0.2942	2.7176	1.2628	4.2746	0.0184	0.0266	0.0117	0.0567
901	9.42	10.1	0.2941	2.7174	1.2624	4.2739	0.021	0.0201	0.0163	0.0573
902	9.55	10.2	0.2943	2.7181	1.2622	4.2746	0.0159	0.0266	0.0238	0.0664
903	9.99	10.2	0.2961	2.718	1.2618	4.276	0.0135	0.0307	0.0243	0.0685
904	10.2	10.2	0.2967	2.7165	1.2618	4.275	0.0056	0.0285	0.0249	0.0589
905	10.3	10.3	0.296	2.7162	1.2618	4.274	0.0084	0.0214	0.022	0.0518
906	10.2	10.2	0.2947	2.7155	1.2616	4.2718	0.023	0.0351	0.016	0.0742
907	10.6	10.2	0.2933	2.7153	1.2617	4.2703	0.0222	0.038	0.0171	0.0773
908	11.3	10.2	0.2913	2.715	1.2618	4.2681	0.0129	0.0396	0.0172	0.0697
909	10.7	10.2	0.2899	2.715	1.262	4.2668	0.0088	0.041	0.0176	0.0674
910	10.4	10.2	0.2891	2.7157	1.262	4.2669	0.0087	0.034	0.0146	0.0573
911	10.4	10.2	0.2891	2.7164	1.2618	4.2673	0.002	0.0206	0.013	0.0356
912	10.7	10.3	0.2894	2.7168	1.2617	4.2679	-0.0051	0.0202	0.0161	0.0312
913	10.3	10.3	0.2901	2.7174	1.2619	4.2694	-0.0158	0.0304	0.0134	0.028
914	10.3	10.3	0.2906	2.7169	1.2621	4.2696	-0.0228	0.0426	0.0107	0.0306
915	10.2	10.3	0.2905	2.7162	1.2622	4.2689	-0.0222	0.0508	0.013	0.0416
916	10.1	10.2	0.291	2.7149	1.2619	4.2678	-0.0228	0.0641	0.0114	0.0527

917	9.84	10.2	0.2916	2.7154	1.2624	4.2694	-0.0033	0.0614	0.0054	0.0635
918	10	10.1	0.2924	2.7158	1.263	4.2711	0.0115	0.0582	-0.0003	0.0694
919	9.86	10	0.2924	2.7155	1.2629	4.2707	0.0078	0.0524	-0.0028	0.0574
920	9.76	10	0.2921	2.7159	1.2626	4.2706	0.0081	0.044	0	0.0521
921	10.1	9.96	0.2916	2.7166	1.2623	4.2705	0.006	0.0347	0.0026	0.0433
922	10.3	9.93	0.2917	2.7163	1.2622	4.2702	-0.0088	0.0163	-0.0021	0.0054
923	10.3	9.93	0.2922	2.716	1.2624	4.2706	-0.0088	-0.0029	0.0047	-0.0071
924	9.73	9.94	0.292	2.7156	1.2628	4.2703	-0.0133	-0.0214	0.012	-0.0226
925	9.34	9.96	0.2919	2.7161	1.263	4.271	-0.0228	-0.0284	0.01	-0.0411
926	9.57	9.97	0.2924	2.7161	1.2632	4.2717	-0.0247	-0.0343	0.0078	-0.0512
927	9.95	10	0.2921	2.7161	1.2634	4.2716	-0.0297	-0.0465	0.0048	-0.0714
928	9.69	10	0.2916	2.7156	1.2633	4.2705	-0.0252	-0.0455	0.0059	-0.0648
929	9.53	10	0.2912	2.7151	1.2634	4.2697	-0.0204	-0.0394	0.0086	-0.0512
930	9.7	10	0.2905	2.7152	1.2632	4.269	-0.0243	-0.0427	0.0117	-0.0552
931	10	10	0.2906	2.7141	1.2634	4.2681	-0.0368	-0.0448	0.0096	-0.072
932	10.4	10	0.2902	2.7137	1.2631	4.267	-0.0403	-0.0427	0.0118	-0.0713
933	10.5	9.98	0.2892	2.713	1.2626	4.2648	-0.042	-0.0467	0.0134	-0.0752
934	10.5	9.96	0.2884	2.7127	1.2624	4.2635	-0.035	-0.057	0.009	-0.0831
935	10.4	9.98	0.2889	2.7128	1.2621	4.2638	-0.0153	-0.0623	0.013	-0.0645
936	10.5	9.97	0.2903	2.7127	1.262	4.265	-0.0003	-0.0577	0.014	-0.044
937	10.3	9.94	0.2919	2.713	1.2622	4.2671	-0.0078	-0.0595	0.0111	-0.0562
938	9.95	9.92	0.2928	2.713	1.2622	4.268	-0.0175	-0.0694	0.011	-0.0759
939	10	9.91	0.2934	2.7133	1.2622	4.269	-0.0153	-0.0582	0.0173	-0.0562
940	10.1	9.89	0.294	2.714	1.2622	4.2702	-0.0058	-0.045	0.0126	-0.0382
941	9.75	9.84	0.2939	2.7145	1.2621	4.2706	-0.0033	-0.0296	0.0113	-0.0215
942	9.58	9.78	0.294	2.715	1.2626	4.2716	-0.0201	-0.0171	0.0189	-0.0184
943	9.52	9.72	0.295	2.7146	1.2625	4.2721	-0.0245	-0.0027	0.0151	-0.0121
944	9.57	9.66	0.2953	2.7144	1.2627	4.2725	-0.011	0.014	0.0116	0.0146
945	9.54	9.65	0.294	2.7148	1.2625	4.2713	-0.0061	0.0172	0.0143	0.0254
946	9.39	9.61	0.2927	2.7153	1.2621	4.27	-0.0084	0.0119	0.0181	0.0216
947	9.26	9.56	0.2926	2.7159	1.2623	4.2707	-0.0011	0.0001	0.0183	0.0174
948	9.33	9.55	0.2928	2.7159	1.2623	4.2709	0.0133	0.0052	0.0189	0.0374
949	9.36	9.53	0.292	2.7158	1.2621	4.2699	0.0297	0.0098	0.0249	0.0644
950	9.04	9.5	0.2911	2.7164	1.2616	4.2692	0.0556	0.016	0.0195	0.0911
951	9.15	9.5	0.2911	2.7164	1.2607	4.2682	0.0682	0.0182	0.0157	0.1022
952	9.31	9.55	0.2915	2.7165	1.2606	4.2686	0.0599	0.0164	0.0154	0.0916
953	9.53	9.6	0.2928	2.7164	1.2606	4.2698	0.0693	0.0223	0.0124	0.104

954	10.1	9.63	0.2937	2.7166	1.2611	4.2714	0.0796	0.0328	0.0101	0.1225
955	9.88	9.66	0.2935	2.7158	1.2617	4.271	0.0844	0.0168	0.0084	0.1097
956	9.29	9.7	0.2932	2.7159	1.2616	4.2707	0.0827	0.0129	0.0072	0.1028
957	9.75	9.75	0.2929	2.7162	1.2614	4.2705	0.0663	-0.0006	0.0085	0.0741
958	9.65	9.83	0.2927	2.7161	1.2615	4.2703	0.0497	-0.0079	0.0117	0.0536
959	9.54	9.92	0.2922	2.7168	1.2619	4.2708	0.0338	-0.0202	0.0124	0.026
960	9.8	10	0.2922	2.7178	1.2617	4.2717	0.0164	-0.0231	0.0118	0.0051
961	10.4	10.1	0.2924	2.7183	1.261	4.2717	0.0018	-0.026	0.0091	-0.0151
962	10.6	10.1	0.2931	2.7179	1.261	4.272	-0.0042	-0.021	0.0114	-0.0137
963	10.2	10.1	0.2936	2.7168	1.2613	4.2718	-0.0079	-0.0095	0.0072	-0.0102
964	10	10.1	0.2938	2.7157	1.2614	4.2709	-0.0216	-0.0082	0.0053	-0.0246
965	10.1	10.1	0.2936	2.7144	1.2617	4.2696	-0.0395	-0.0199	0.0017	-0.0577
966	10.4	10.1	0.2919	2.7131	1.2622	4.2673	-0.0351	-0.0287	0.0023	-0.0615
967	10.9	10.1	0.2902	2.7132	1.2626	4.2659	-0.0156	-0.037	0.0103	-0.0423
968	10.9	10.1	0.2896	2.7137	1.2627	4.266	-0.0064	-0.029	0.024	-0.0115
969	10.9	10.1	0.2892	2.7143	1.2627	4.2662	0.0034	-0.0287	0.025	-0.0004
970	10.5	10.1	0.2882	2.7151	1.2622	4.2654	-0.0081	-0.0375	0.0193	-0.0263
971	10.2	10.1	0.2879	2.7156	1.2621	4.2656	-0.0247	-0.0405	0.0135	-0.0517
972	9.82	10.1	0.2876	2.7165	1.2616	4.2657	-0.0336	-0.0438	0.0086	-0.0688
973	9.58	10.1	0.2884	2.7178	1.2613	4.2674	-0.0213	-0.0526	0.0069	-0.067
974	9.55	10.1	0.2895	2.719	1.2611	4.2696	-0.0089	-0.0629	0.0101	-0.0617
975	9.81	10.1	0.2905	2.7195	1.2611	4.2711	-0.0097	-0.0677	0.0168	-0.0605
976	9.69	10.2	0.2916	2.7198	1.2616	4.273	-0.0146	-0.0579	0.0206	-0.052
977	9.5	10.2	0.2919	2.72	1.2617	4.2736	-0.0016	-0.0453	0.0253	-0.0216
978	9.61	10.2	0.292	2.7201	1.2615	4.2736	0.0105	-0.0393	0.027	-0.0018
979	9.69	10.1	0.2929	2.7201	1.261	4.274	0.0145	-0.0542	0.0277	-0.0121
980	9.78	10.1	0.2939	2.7195	1.2612	4.2746	0.0195	-0.0605	0.0257	-0.0154
981	9.96	10.1	0.2938	2.7196	1.2613	4.2747	0.0059	-0.0537	0.0238	-0.0241
982	10.4	10.2	0.2935	2.7199	1.2612	4.2746	0.001	-0.0647	0.0271	-0.0366
983	10.5	10.2	0.2936	2.7207	1.2614	4.2757	0.0006	-0.0708	0.0253	-0.0449
984	10.9	10.3	0.2934	2.7209	1.2614	4.2757	-0.0093	-0.0816	0.0202	-0.0707
985	11.3	10.3	0.2928	2.7208	1.2612	4.2748	-0.0168	-0.0815	0.0181	-0.0802
986	11.1	10.4	0.2928	2.7212	1.2612	4.2751	-0.0056	-0.076	0.0118	-0.0698
987	10.6	10.4	0.2938	2.7224	1.2613	4.2775	0.0167	-0.0656	0.0087	-0.0402
988	10.2	10.5	0.2942	2.7221	1.2611	4.2774	0.0346	-0.0568	0.0111	-0.0111
989	10.3	10.5	0.2939	2.7213	1.2615	4.2766	0.0463	-0.0632	0.0112	-0.0057
990	10.5	10.5	0.2938	2.7206	1.2615	4.2759	0.0451	-0.0724	0.0164	-0.0108

991	10.2	10.6	0.2931	2.7201	1.2615	4.2748	0.0459	-0.0594	0.0141	0.0006
992	10.5	10.6	0.2921	2.7195	1.2619	4.2735	0.0449	-0.0437	0.0112	0.0123
993	10.5	10.6	0.2913	2.7191	1.2615	4.2719	0.0441	-0.0393	0.0146	0.0194
994	10.4	10.5	0.2912	2.7184	1.2613	4.2708	0.0533	-0.0419	0.0121	0.0235
995	10.8	10.5	0.2912	2.7183	1.2612	4.2708	0.0579	-0.0432	0.0123	0.027
996	10.7	10.5	0.2907	2.7182	1.2614	4.2702	0.0387	-0.0348	0.0102	0.0141
997	10.6	10.5	0.2896	2.7177	1.2612	4.2684	0.0215	-0.022	0.0077	0.0072
998	10.5	10.5	0.2885	2.7175	1.2606	4.2666	0.0219	-0.0082	0.0124	0.0262
999	10.3	10.5	0.2878	2.7167	1.2609	4.2654	0.0293	-0.0087	0.0156	0.0361
1000	10.3	10.5	0.2874	2.7157	1.2612	4.2643	0.0251	-0.0141	0.0171	0.0281
1001	10.4	10.5	0.2881	2.7158	1.2609	4.2648	0.0135	-0.0123	0.0151	0.0163
1002	10.6	10.5	0.2874	2.7158	1.261	4.2642	0.0075	-0.0182	0.0039	-0.0068
1003	10.5	10.4	0.2882	2.7147	1.2608	4.2637	0.0048	-0.0147	-0.0027	-0.0127
1004	10.9	10.4	0.2882	2.7148	1.261	4.264	0.0266	-0.0089	-0.006	0.0117
1005	11	10.3	0.2877	2.7149	1.2611	4.2637	0.0381	-0.0097	-0.0028	0.0256
1006	10.8	10.2	0.2881	2.7155	1.2608	4.2644	0.0412	-0.0117	0.0083	0.0377
1007	10.5	10.2	0.2884	2.7161	1.2606	4.265	0.0396	-0.0032	0.0072	0.0436
1008	10.1	10.1	0.2879	2.717	1.2606	4.2655	0.0398	0.0011	0.0003	0.0412
1009	10.4	10	0.2882	2.7173	1.2608	4.2663	0.0502	-0.0003	0.0034	0.0533
1010	10.4	9.98	0.289	2.7183	1.2611	4.2684	0.0508	-0.0036	0.0113	0.0585
1011	9.72	9.96	0.2895	2.7185	1.2606	4.2687	0.0414	-0.0044	0.0103	0.0473
1012	9.41	9.93	0.2902	2.7178	1.2609	4.269	0.0403	-0.0093	0.0009	0.0318
1013	9.31	9.91	0.2923	2.7182	1.2614	4.2719	0.0419	-0.0105	-0.0011	0.0303
1014	9.52	9.88	0.2946	2.7189	1.2619	4.2754	0.0402	-0.0073	0.0015	0.0345
1015	9.11	9.83	0.294	2.719	1.262	4.275	0.0421	0.0021	0.0025	0.0467
1016	9.15	9.82	0.2926	2.7186	1.2609	4.272	0.0351	-0.0093	0.0028	0.0286
1017	9.33	9.85	0.2922	2.7183	1.26	4.2705	0.0283	-0.0227	0.0118	0.0175
1018	9.15	9.88	0.2921	2.7186	1.2605	4.2712	0.0098	-0.0311	0.0244	0.0031
1019	9.4	9.93	0.2932	2.7192	1.2609	4.2733	-0.0023	-0.0218	0.0239	-0.0002
1020	9.96	9.97	0.2945	2.7199	1.2612	4.2757	-0.0183	-0.0117	0.0242	-0.0059
1021	10	10	0.2949	2.7209	1.2615	4.2773	-0.0315	-0.0038	0.0203	-0.015
1022	10.1	10.1	0.2938	2.7216	1.2616	4.2769	-0.041	0.0005	0.0201	-0.0204
1023	10.2	10.2	0.2931	2.7223	1.2614	4.2768	-0.046	0.0096	0.0136	-0.0227
1024	10.2	10.2	0.2929	2.7224	1.2611	4.2764	-0.038	0.0214	0.0076	-0.009
1025	10.6	10.3	0.2934	2.7219	1.2609	4.2762	-0.0268	0.0296	0.0048	0.0076
1026	11	10.4	0.2926	2.7206	1.2607	4.2739	-0.0224	0.0247	0.0024	0.0047
1027	10.7	10.4	0.2911	2.72	1.2607	4.2718	-0.0146	0.0214	0.0075	0.0143

1028	11.4	10.5	0.2902	2.721	1.2605	4.2717	-0.0149	0.0225	0.0095	0.017
1029	11.1	10.5	0.2892	2.7212	1.2608	4.2712	-0.0102	0.0223	0.0067	0.0187
1030	10.9	10.5	0.2899	2.7206	1.2608	4.2714	-0.0024	0.0198	0.0035	0.0208
1031	10.9	10.5	0.2905	2.7206	1.2607	4.2717	0.0147	0.0168	0.0063	0.0377
1032	10.3	10.5	0.2902	2.7208	1.2606	4.2715	0.0079	0.0214	0.0051	0.0345
1033	10.3	10.5	0.2901	2.7212	1.2605	4.2719	0.0025	0.0293	0.0037	0.0355
1034	10.4	10.5	0.2901	2.7208	1.2606	4.2715	0.01	0.0329	0.0076	0.0505
1035	10.8	10.5	0.2895	2.7204	1.261	4.2708	0.0141	0.041	0.006	0.061
1036	10.5	10.4	0.2886	2.7192	1.2611	4.269	0.0141	0.0399	0.002	0.056
1037	9.88	10.4	0.2884	2.7187	1.2611	4.2682	0.0201	0.0392	0.0026	0.0619
1038	9.81	10.4	0.2882	2.7193	1.2611	4.2685	0.0379	0.048	0.005	0.0909
1039	10.1	10.4	0.2889	2.7206	1.2606	4.27	0.0536	0.0448	0.0028	0.1013
1040	9.79	10.4	0.2894	2.7199	1.2608	4.2701	0.0572	0.0393	0.0058	0.1023
1041	10.4	10.3	0.2894	2.7189	1.261	4.2693	0.0606	0.0345	0.0072	0.1023
1042	10.4	10.3	0.2896	2.7189	1.2611	4.2696	0.0589	0.0182	0.0102	0.0873
1043	10.3	10.3	0.2896	2.7188	1.2613	4.2698	0.0485	0.0198	0.0121	0.0804
1044	10.3	10.3	0.2895	2.7187	1.2615	4.2697	0.046	0.0092	0.0073	0.0626
1045	10.1	10.2	0.2901	2.7183	1.2615	4.2699	0.0451	0.0059	0.0027	0.0538
1046	10.4	10.2	0.2905	2.7175	1.2613	4.2693	0.0423	0.0006	0.0005	0.0434
1047	10.7	10.2	0.2904	2.7167	1.261	4.2681	0.0438	-0.006	0.0015	0.0393
1048	10.6	10.3	0.2898	2.7168	1.2607	4.2673	0.0344	-0.022	0	0.0123
1049	10.8	10.3	0.2895	2.7172	1.2604	4.2671	0.0257	-0.028	-0.0016	-0.0039
1050	10.5	10.3	0.2898	2.7176	1.2601	4.2675	0.0076	-0.0374	0.0017	-0.0281
1051	10.2	10.2	0.2903	2.7182	1.2603	4.2688	-0.0134	-0.0405	-0.0046	-0.0585
1052	9.87	10.2	0.291	2.7179	1.2609	4.2698	-0.0155	-0.0363	-0.012	-0.0638
1053	9.94	10.2	0.2901	2.7173	1.2612	4.2686	-0.0233	-0.0365	-0.0059	-0.0657
1054	10	10.1	0.2899	2.7176	1.2614	4.2688	-0.0126	-0.0493	-0.0015	-0.0634
1055	10	10.2	0.2894	2.717	1.2609	4.2672	-0.0115	-0.0555	0.0082	-0.0589
1056	10.3	10.1	0.2892	2.7163	1.2609	4.2663	-0.0228	-0.0534	0.0084	-0.0678
1057	10.1	10.1	0.2889	2.716	1.2614	4.2663	-0.0148	-0.0374	-0.001	-0.0533
1058	9.93	10.1	0.2877	2.7162	1.2612	4.265	-0.0107	-0.023	-0.0008	-0.0346
1059	9.9	10.1	0.2871	2.7171	1.2607	4.265	-0.0196	-0.0094	0.0017	-0.0273
1060	9.93	10.1	0.2881	2.7183	1.2607	4.267	-0.0139	-0.0118	0.0031	-0.0226
1061	9.9	10.1	0.2883	2.7192	1.261	4.2685	0.0024	-0.0128	0.0081	-0.0023
1062	9.88	10.1	0.289	2.719	1.2611	4.269	0.0136	-0.0164	0.0057	0.0029
1063	9.67	10.1	0.2896	2.7176	1.2612	4.2683	0.0144	-0.0258	0.0095	-0.0019
1064	10.2	10.1	0.2896	2.7155	1.2611	4.2663	0.0331	-0.0221	0.0174	0.0285

1065	9.92	10.1	0.2901	2.7153	1.2614	4.2667	0.0521	-0.0188	0.0288	0.0622
1066	10.3	10.1	0.2891	2.7154	1.261	4.2655	0.0479	-0.016	0.0323	0.0642
1067	10.4	10	0.2892	2.7163	1.2601	4.2656	0.0345	-0.0151	0.0208	0.0402
1068	10.4	10	0.2899	2.7159	1.2603	4.266	0.0239	-0.0064	0.0065	0.024
1069	10.1	10	0.291	2.7155	1.2603	4.2668	0.0211	-0.0136	0.0111	0.0187
1070	10.4	9.97	0.2913	2.7154	1.2602	4.2669	0.0423	-0.0116	0.0168	0.0475
1071	10.3	9.95	0.292	2.7156	1.2601	4.2677	0.0572	-0.0009	0.0182	0.0744
1072	10.1	9.95	0.2922	2.7155	1.2602	4.268	0.0593	0.0081	0.0187	0.0861
1073	9.82	9.98	0.2922	2.7156	1.2605	4.2683	0.0511	0.0106	0.0214	0.0831
1074	9.97	9.97	0.2922	2.716	1.2606	4.2688	0.0528	0.0216	0.023	0.0974
1075	10	9.97	0.2927	2.717	1.2609	4.2706	0.0656	0.0316	0.0171	0.1143
1076	9.71	9.94	0.2931	2.7177	1.2608	4.2716	0.0766	0.0246	0.0193	0.1205
1077	9.61	9.94	0.2933	2.7178	1.2608	4.2719	0.0662	0.0058	0.0257	0.0977
1078	9.25	9.94	0.293	2.7179	1.2608	4.2717	0.0435	0.0038	0.0206	0.0679
1079	9.53	9.94	0.2931	2.7181	1.2607	4.2719	0.0464	0.0035	0.0124	0.0624
1080	9.37	9.91	0.2924	2.7178	1.2606	4.2708	0.0416	0.0049	0.0193	0.0658
1081	10	9.89	0.293	2.7174	1.2608	4.2713	0.0562	-0.0108	0.0208	0.0662
1082	10.2	9.87	0.2932	2.717	1.2608	4.2711	0.065	-0.0128	0.0189	0.0711
1083	9.99	9.88	0.2926	2.7174	1.2606	4.2706	0.0549	-0.0224	0.0116	0.0441
1084	9.82	9.86	0.292	2.7168	1.2608	4.2696	0.0498	-0.0243	0.0095	0.035
1085	9.85	9.86	0.2914	2.7168	1.261	4.2692	0.0359	-0.0281	0.008	0.0158
1086	10.5	9.88	0.2907	2.7173	1.2609	4.2689	0.0144	-0.0358	0.0138	-0.0076
1087	10.3	9.92	0.29	2.7176	1.2608	4.2684	-0.0054	-0.042	0.0177	-0.0297
1088	10.1	9.98	0.2889	2.7176	1.2608	4.2672	-0.0098	-0.038	0.0177	-0.03
1089	9.91	10	0.2882	2.7174	1.2609	4.2664	-0.0156	-0.0228	0.018	-0.0204
1090	9.8	10	0.2877	2.7171	1.2608	4.2656	-0.0071	-0.0074	0.0144	0
1091	9.69	10	0.2872	2.7183	1.2605	4.266	0.0038	-0.0069	0.0149	0.0119
1092	10	9.96	0.2872	2.7175	1.2607	4.2654	0.0026	-0.0205	0.0171	-0.0008
1093	9.62	9.95	0.2867	2.7182	1.2608	4.2657	0.0083	-0.0155	0.0181	0.0109
1094	9.95	9.92	0.2867	2.7178	1.261	4.2655	0.0047	-0.0125	0.0203	0.0126
1095	10.1	9.88	0.287	2.7182	1.2612	4.2664	0.0054	-0.0126	0.0266	0.0194
1096	10.4	9.83	0.2863	2.7188	1.2612	4.2663	0.0145	-0.0183	0.0293	0.0255
1097	10.5	9.82	0.2862	2.7199	1.2612	4.2672	0.0176	-0.0215	0.0267	0.0228
1098	9.93	9.81	0.286	2.7203	1.2608	4.267	0.0155	-0.0268	0.0237	0.0125
1099	9.74	9.8	0.287	2.7205	1.2608	4.2682	0.012	-0.0281	0.0228	0.0067
1100	9.56	9.8	0.2888	2.7198	1.2617	4.2702	-0.0009	-0.0197	0.0183	-0.0023
1101	9.57	9.82	0.2896	2.7194	1.2621	4.2712	-0.009	-0.012	0.0093	-0.0117

1102	9.66	9.82	0.2897	2.7195	1.2616	4.2708	-0.0096	-0.0089	0.0058	-0.0127
1103	9.33	9.84	0.2894	2.7197	1.261	4.2701	-0.0085	-0.0199	0.0167	-0.0117
1104	9.12	9.84	0.2894	2.7204	1.2601	4.2699	-0.0147	-0.0318	0.0236	-0.0228
1105	9.55	9.8	0.29	2.7203	1.2602	4.2705	-0.0153	-0.027	0.022	-0.0202
1106	10	9.77	0.2896	2.7193	1.2609	4.2697	-0.0243	-0.0323	0.0182	-0.0384
1107	9.97	9.74	0.2894	2.7184	1.2606	4.2684	-0.0289	-0.0468	0.0176	-0.0581
1108	9.65	9.74	0.2899	2.7179	1.2604	4.2682	-0.043	-0.0566	0.0238	-0.0758
1109	9.87	9.73	0.2896	2.7185	1.2605	4.2686	-0.0625	-0.0524	0.019	-0.0959
1110	10.1	9.75	0.2887	2.7196	1.2603	4.2687	-0.0627	-0.0423	0.0115	-0.0935
1111	10	9.76	0.2882	2.7202	1.26	4.2684	-0.0477	-0.0339	0.0093	-0.0723
1112	9.96	9.78	0.2888	2.7204	1.26	4.2691	-0.0399	-0.0147	0.0139	-0.0408
1113	9.92	9.82	0.289	2.7204	1.2597	4.269	-0.035	-0.0099	0.0182	-0.0267
1114	9.53	9.86	0.2894	2.7208	1.259	4.2692	-0.0366	-0.0262	0.0188	-0.044
1115	9.71	9.85	0.2892	2.7206	1.2587	4.2686	-0.0327	-0.0345	0.0162	-0.0511
1116	9.91	9.81	0.2891	2.7201	1.2588	4.268	-0.0213	-0.0287	0.0174	-0.0326
1117	9.87	9.8	0.2898	2.719	1.2593	4.2681	-0.0302	-0.0244	0.0106	-0.0439
1118	9.69	9.83	0.29	2.72	1.2594	4.2693	-0.0291	-0.0122	-0.0001	-0.0414
1119	9.94	9.86	0.2889	2.7204	1.2592	4.2686	-0.0229	-0.0124	0.0014	-0.0339
1120	9.72	9.85	0.2888	2.72	1.2594	4.2683	-0.0147	-0.0115	0.0027	-0.0235
1121	9.92	9.88	0.289	2.7201	1.2596	4.2687	-0.0127	-0.0076	0.0027	-0.0176
1122	10.2	9.92	0.2887	2.7205	1.2594	4.2686	-0.0053	-0.0096	0.0032	-0.0116
1123	9.88	9.96	0.2878	2.7201	1.2591	4.267	0.0012	-0.0149	0.0054	-0.0084
1124	9.35	10	0.2864	2.7192	1.2594	4.265	0.0007	-0.0156	0.0065	-0.0084
1125	9.28	10	0.2858	2.7194	1.259	4.2642	-0.0009	-0.0083	0.0087	-0.0004
1126	9.73	10	0.2859	2.72	1.2581	4.2641	0.002	0.0051	0.0128	0.0199
1127	10.3	10.1	0.2867	2.7196	1.2586	4.265	-0.0003	0.0091	0.0146	0.0233
1128	10.5	10.1	0.2855	2.7207	1.2593	4.2655	0.0061	0.0096	0.0175	0.0332
1129	9.88	10.1	0.285	2.7207	1.2589	4.2646	0.0092	0.0085	0.0206	0.0383
1130	10.5	10.2	0.2843	2.7217	1.2588	4.2648	0.0175	0.0132	0.0183	0.0491
1131	10.6	10.2	0.284	2.7219	1.2588	4.2646	0.0109	0.0112	0.0178	0.0398
1132	10.6	10.1	0.2847	2.723	1.2594	4.2671	0.0125	0.0102	0.0191	0.0418
1133	10.4	10.1	0.2852	2.7236	1.2596	4.2684	0.0193	0.0132	0.0195	0.052
1134	10.1	10.1	0.2865	2.7237	1.2598	4.27	0.0232	0.0181	0.0211	0.0624
1135	10.4	10.1	0.288	2.724	1.2596	4.2716	0.0243	-0.0045	0.0257	0.0456
1136	10.4	10.1	0.2892	2.7234	1.2594	4.272	0.015	-0.0164	0.0296	0.0282
1137	10.4	10.1	0.2894	2.7225	1.2593	4.2712	0.0021	-0.0217	0.0277	0.0081
1138	10.2	10	0.2897	2.7216	1.2593	4.2706	-0.0041	-0.0173	0.0225	0.0011

1139	10.7	10	0.2896	2.7213	1.2591	4.27	-0.0231	-0.0146	0.0238	-0.0139
1140	10.1	9.94	0.289	2.7206	1.2593	4.2689	-0.0219	-0.0046	0.0207	-0.0058
1141	9.38	9.88	0.2892	2.721	1.2593	4.2694	-0.0138	0.005	0.0149	0.0061
1142	9.11	9.81	0.2888	2.7204	1.2593	4.2685	-0.0203	0.0179	0.0124	0.0099
1143	9.32	9.76	0.2892	2.7201	1.2593	4.2685	-0.02	0.0051	0.0107	-0.0042
1144	9.38	9.74	0.289	2.72	1.2588	4.2678	-0.0275	0.0077	0.015	-0.0047
1145	9.43	9.71	0.2887	2.7201	1.2585	4.2673	-0.0308	0.0035	0.0193	-0.008
1146	9.76	9.66	0.2888	2.7196	1.2587	4.267	-0.0266	0.0035	0.021	-0.0022
1147	9.76	9.62	0.2888	2.7194	1.2586	4.2668	-0.0367	0.0051	0.0243	-0.0074
1148	9.6	9.6	0.2886	2.7196	1.2585	4.2667	-0.0391	0.0139	0.0204	-0.0048
1149	9.27	9.53	0.2896	2.7192	1.2586	4.2674	-0.0442	0.0134	0.0157	-0.0151
1150	9.41	9.5	0.2907	2.7188	1.2592	4.2687	-0.0298	0.0146	0.0166	0.0014
1151	9.43	9.51	0.2913	2.7191	1.2598	4.2701	-0.0101	0.0109	0.0247	0.0255
1152	9.48	9.55	0.2919	2.7199	1.2592	4.271	0.0131	0.0078	0.031	0.0519
1153	9.69	9.58	0.2916	2.7205	1.2588	4.2709	0.0169	0.0092	0.0246	0.0508
1154	9.71	9.6	0.2914	2.7203	1.2592	4.2708	0.0111	0.0077	0.0167	0.0355
1155	9.48	9.62	0.2918	2.7202	1.2591	4.2711	0.0081	0.0139	0.0125	0.0346
1156	9.63	9.64	0.2921	2.7209	1.2591	4.2721	0.0043	0.0183	0.0157	0.0383
1157	9.82	9.68	0.2932	2.7217	1.259	4.2739	-0.0062	0.0131	0.0212	0.0281
1158	9.41	9.72	0.2939	2.7214	1.2593	4.2746	-0.0039	0.0047	0.0211	0.0219
1159	9.39	9.74	0.2934	2.7213	1.2596	4.2743	-0.0042	-0.0081	0.0203	0.008
1160	9.54	9.76	0.2928	2.7216	1.2598	4.2742	-0.013	-0.0052	0.0176	-0.0006
1161	9.91	9.78	0.2923	2.7207	1.2596	4.2726	-0.0245	0.0005	0.0143	-0.0096
1162	9.97	9.81	0.2925	2.72	1.2592	4.2717	-0.0264	0.0116	0.0166	0.0018
1163	9.71	9.86	0.2933	2.7202	1.2593	4.2727	-0.0212	0.0173	0.0239	0.02
1164	9.8	9.91	0.2929	2.719	1.2595	4.2714	-0.0303	0.0154	0.0188	0.0039
1165	10.2	9.96	0.2922	2.7182	1.2596	4.27	-0.0287	0.0212	0.009	0.0015
1166	10.5	10	0.2921	2.7178	1.2599	4.2699	-0.0236	0.0197	0.0059	0.002
1167	10.3	10	0.2921	2.7175	1.2601	4.2698	-0.0127	0.0119	0.0063	0.0056
1168	9.72	10.1	0.2921	2.7171	1.2602	4.2694	0.0136	-0.0018	0.0111	0.0229
1169	9.78	10.2	0.2925	2.7166	1.26	4.2691	0.0248	0.0067	0.0108	0.0423
1170	9.89	10.2	0.2926	2.7162	1.2599	4.2687	0.0209	0.003	0.0049	0.0287
1171	10	10.2	0.2925	2.7165	1.2598	4.2688	0.0237	-0.0061	0.0067	0.0244
1172	10.6	10.2	0.2921	2.717	1.2597	4.2688	0.0254	-0.0118	0.0119	0.0255
1173	10.6	10.2	0.2921	2.7172	1.2599	4.2692	0.018	-0.0166	0.0095	0.0108
1174	10.5	10.3	0.2923	2.7169	1.2597	4.2689	0.0091	-0.0192	0.0069	-0.0032
1175	10.6	10.2	0.2925	2.7165	1.2596	4.2686	-0.0042	-0.0269	0.0077	-0.0234

1176	10.3	10.2	0.2931	2.7168	1.2594	4.2693	-0.0126	-0.0298	0.0027	-0.0397
1177	10.5	10.1	0.2927	2.7168	1.2591	4.2686	-0.0149	-0.0209	-0.0115	-0.0473
1178	10.8	10.1	0.2921	2.717	1.2587	4.2679	-0.0009	-0.0286	-0.0077	-0.0372
1179	9.97	10.1	0.2913	2.7168	1.2589	4.267	-0.0149	-0.0363	-0.0048	-0.056
1180	9.97	10.1	0.2913	2.7167	1.2588	4.2668	-0.0246	-0.0251	-0.0041	-0.0537
1181	10.1	10.1	0.2918	2.7164	1.2589	4.2671	-0.0372	0.0038	-0.0062	-0.0396
1182	10.1	10	0.2913	2.7157	1.2589	4.2659	-0.0412	0.0173	-0.0097	-0.0337
1183	10.3	9.97	0.2903	2.7156	1.2585	4.2644	-0.0298	0.031	-0.0024	-0.0012
1184	9.98	9.94	0.2896	2.7172	1.2582	4.265	-0.0177	0.0339	0	0.0162
1185	9.45	9.92	0.2899	2.7185	1.258	4.2664	0.0033	0.0318	0.005	0.0401
1186	9.54	9.9	0.2905	2.7194	1.2582	4.2681	0.0168	0.0265	0.008	0.0513
1187	9.62	9.88	0.2904	2.7193	1.2586	4.2683	0.0267	0.0175	0.0021	0.0463
1188	9.35	9.85	0.2912	2.719	1.2584	4.2686	0.0257	-0.0011	0.0003	0.025
1189	9.45	9.86	0.2904	2.7178	1.2588	4.267	0.0271	-0.0217	0.0057	0.0112
1190	9.56	9.85	0.2891	2.7166	1.2593	4.265	0.0257	-0.0262	0.0108	0.0103
1191	9.43	9.85	0.2893	2.7165	1.2593	4.2651	0.0166	-0.0302	0.0097	-0.0039
1192	9.86	9.84	0.2892	2.717	1.2596	4.2658	0.0192	-0.0288	0.0047	-0.005
1193	10.1	9.84	0.2894	2.7174	1.2593	4.2662	0.0234	-0.0422	0	-0.0188
1194	10.1	9.85	0.2898	2.7174	1.2591	4.2663	0.0245	-0.0493	-0.002	-0.0268
1195	10	9.88	0.2897	2.7179	1.2591	4.2667	0.0067	-0.0445	-0.0063	-0.0441
1196	10	9.92	0.29	2.7182	1.2588	4.267	-0.0164	-0.0351	-0.0103	-0.0617
1197	10.2	9.96	0.2901	2.7185	1.2591	4.2677	-0.0222	-0.0273	-0.0079	-0.0575
1198	10.2	10	0.2904	2.719	1.2592	4.2685	-0.0322	-0.0203	-0.0093	-0.0618
1199	9.83	10.1	0.29	2.719	1.2591	4.2681	-0.0386	-0.0135	-0.0066	-0.0586
1200	10.1	10.1	0.2898	2.7187	1.2592	4.2676	-0.0351	-0.0087	-0.0036	-0.0474
1201	9.94	10.1	0.2883	2.7187	1.259	4.266	-0.0282	-0.0084	-0.001	-0.0376
1202	10.3	10.2	0.288	2.7186	1.2591	4.2657	-0.0217	-0.0129	0.0047	-0.0299
1203	10.2	10.2	0.2883	2.7189	1.2593	4.2665	-0.0144	-0.003	-0.0012	-0.0185
1204	10.1	10.1	0.2886	2.719	1.2589	4.2664	-0.0068	0.0009	-0.0031	-0.009
1205	10.2	10.1	0.2896	2.7184	1.2587	4.2667	-0.0038	-0.0038	0.0059	-0.0017
1206	10.5	10.1	0.2902	2.718	1.2588	4.2669	-0.0037	-0.0054	0.0081	-0.001
1207	10.6	10.1	0.2898	2.7179	1.2585	4.2662	-0.0094	-0.0034	0.0074	-0.0054
1208	10.2	10.1	0.2903	2.7187	1.2584	4.2674	0.0003	0.0018	0.0047	0.0068
1209	10.4	10.2	0.2909	2.719	1.2587	4.2687	0.0059	0.0006	0.0044	0.0109
1210	9.88	10.2	0.2912	2.7196	1.2589	4.2696	-0.0001	-0.0076	0.0036	-0.004
1211	10.6	10.2	0.2908	2.719	1.2584	4.2682	0.0004	-0.0171	0.0021	-0.0147
1212	9.69	10.2	0.2909	2.7186	1.2576	4.2672	0.0019	-0.0261	0.0007	-0.0235

1213	9.82	10.2	0.292	2.7189	1.2578	4.2686	0.0068	-0.0297	0.0014	-0.0214
1214	9.9	10.2	0.2922	2.7187	1.2581	4.269	0.0221	-0.012	0.0007	0.0108
1215	10	10.2	0.2916	2.7187	1.2581	4.2684	0.0213	-0.0139	0.0014	0.0088
1216	10.1	10.2	0.2904	2.7189	1.2582	4.2675	0.0134	-0.0185	0.004	-0.0011
1217	10.5	10.2	0.2885	2.7191	1.2582	4.2658	0.0181	-0.025	0.0075	0.0007
1218	10.6	10.2	0.2875	2.7193	1.2583	4.2651	0.0233	-0.0282	0.0122	0.0073
1219	10.3	10.1	0.2868	2.7201	1.2588	4.2657	0.0276	-0.0295	0.0126	0.0107
1220	10.5	10.1	0.2865	2.7206	1.2588	4.2659	0.031	-0.0402	0.012	0.0028
1221	10.4	10.1	0.2865	2.7213	1.2584	4.2662	0.0253	-0.0569	0.0177	-0.0139
1222	10.2	10.2	0.2869	2.7222	1.2585	4.2675	0.0255	-0.0527	0.018	-0.0092
1223	10.1	10.2	0.2869	2.722	1.2584	4.2673	0.021	-0.0425	0.0152	-0.0063
1224	10	10.2	0.2868	2.7219	1.2586	4.2673	0.0079	-0.045	0.0175	-0.0196
1225	10.2	10.2	0.287	2.7224	1.2587	4.2681	-0.0018	-0.0476	0.0201	-0.0293
1226	10.1	10.2	0.2874	2.7221	1.2593	4.2688	-0.0076	-0.0373	0.0149	-0.03
1227	9.73	10.2	0.2868	2.7225	1.2594	4.2687	0.0111	-0.0322	0.0059	-0.0152
1228	10.1	10.2	0.287	2.7243	1.2598	4.2711	0.0207	-0.0372	0.0028	-0.0137
1229	9.79	10.2	0.2875	2.7232	1.2593	4.27	0.0155	-0.0374	0.0012	-0.0207
1230	10	10.2	0.288	2.7213	1.2594	4.2687	0.013	-0.039	0.0033	-0.0228
1231	10.6	10.2	0.2881	2.7201	1.2597	4.268	0.0147	-0.0363	0.0024	-0.0192
1232	11	10.2	0.2876	2.7199	1.2596	4.2672	0.0134	-0.0398	0.0017	-0.0246
1233	10.3	10.3	0.2869	2.7202	1.2596	4.2668	0.006	-0.048	0.0024	-0.0396
1234	9.78	10.3	0.2862	2.7205	1.2593	4.2659	-0.0045	-0.0488	0.0024	-0.0509
1235	10	10.4	0.2863	2.7213	1.2588	4.2664	-0.0166	-0.0387	0.0012	-0.0541
1236	11	10.4	0.2865	2.7217	1.2592	4.2673	-0.017	-0.0313	-0.0025	-0.0508
1237	9.87	10.4	0.2868	2.7226	1.2593	4.2687	-0.0157	-0.0211	-0.0023	-0.0391
1238	10.6	10.4	0.287	2.7237	1.2587	4.2695	-0.0205	-0.0266	-0.0012	-0.0483
1239	10.6	10.5	0.2871	2.7239	1.258	4.269	-0.016	-0.0329	-0.005	-0.0539
1240	10.3	10.5	0.2873	2.7236	1.2583	4.2693	-0.0237	-0.0419	-0.0054	-0.071
1241	10.4	10.5	0.2872	2.7238	1.2588	4.2699	-0.0396	-0.0541	0.0009	-0.0927
1242	10.7	10.5	0.2864	2.7247	1.2593	4.2704	-0.034	-0.0547	0.0004	-0.0884
1243	11	10.5	0.2867	2.725	1.2595	4.2712	-0.0342	-0.0512	0.0048	-0.0806
1244	10.8	10.5	0.2883	2.7244	1.2595	4.2722	-0.0329	-0.0506	0.004	-0.0796
1245	10.5	10.5	0.2903	2.7236	1.2596	4.2735	-0.0159	-0.0501	0.0051	-0.0609
1246	10.4	10.5	0.291	2.7224	1.2594	4.2728	-0.009	-0.0404	0.0068	-0.0426
1247	10.6	10.5	0.292	2.7214	1.2596	4.273	-0.0035	-0.0329	0.0014	-0.035
1248	10.8	10.5	0.2925	2.7209	1.2591	4.2725	-0.0001	-0.0218	0.0032	-0.0188
1249	10.7	10.5	0.2931	2.7201	1.2589	4.2721	0.0048	-0.0155	0.004	-0.0067

1250	10.2	10.5	0.2935	2.7197	1.2593	4.2725	0.0044	-0.019	0.0026	-0.012
1251	10.5	10.5	0.2934	2.7204	1.2593	4.2731	0.0046	-0.0199	0.0004	-0.0149
1252	10.5	10.4	0.2933	2.7202	1.2593	4.2728	-0.0175	-0.0114	0	-0.029
1253	10.3	10.4	0.2923	2.7204	1.2591	4.2718	-0.0334	-0.0093	-0.002	-0.0446
1254	10.4	10.4	0.2918	2.7206	1.2586	4.271	-0.0369	0.0013	0.0012	-0.0345
1255	10.4	10.3	0.2922	2.7207	1.2582	4.2712	-0.0396	0.0037	-0.0006	-0.0366
1256	10.4	10.3	0.293	2.7213	1.2584	4.2727	-0.0317	-0.0022	-0.0019	-0.0357
1257	10.1	10.3	0.2932	2.7215	1.2585	4.2732	-0.0208	-0.0092	0.0023	-0.0278
1258	10.4	10.4	0.2934	2.7213	1.2588	4.2735	-0.0183	-0.0118	0.0028	-0.0273
1259	10.2	10.4	0.2934	2.7221	1.2592	4.2747	-0.0113	0.0014	0.0012	-0.0087
1260	10.4	10.4	0.2928	2.7234	1.2596	4.2757	-0.0176	0.0059	0.0034	-0.0083
1261	9.93	10.4	0.2921	2.7233	1.2595	4.2749	-0.0201	0.0165	0.0039	0.0003
1262	9.85	10.4	0.2918	2.7229	1.2591	4.2738	-0.0149	0.016	-0.001	0.0002
1263	10.3	10.4	0.2911	2.7214	1.2592	4.2717	-0.0034	0.0128	-0.0072	0.0022
1264	9.97	10.4	0.2908	2.7204	1.2594	4.2705	0.0118	0.0113	-0.0015	0.0216
1265	10.5	10.5	0.2909	2.72	1.2592	4.2701	0.0227	0.0014	0.0053	0.0294
1266	10.8	10.5	0.2903	2.7203	1.2592	4.2698	0.0216	-0.0077	0.0047	0.0185
1267	11.1	10.5	0.2898	2.7203	1.2589	4.269	0.0119	-0.0046	0.0017	0.009
1268	11.1	10.5	0.2894	2.72	1.2589	4.2683	0.0073	-0.0067	0.0045	0.0051
1269	10.8	10.5	0.2894	2.7207	1.2588	4.2689	0.0157	-0.0095	0.009	0.0152
1270	10.6	10.5	0.2901	2.7219	1.2581	4.2701	0.016	-0.0026	0.0154	0.0287
1271	10.5	10.5	0.29	2.7218	1.258	4.2698	0.0117	0.0059	0.0156	0.0332
1272	10.5	10.6	0.29	2.7213	1.2582	4.2694	0.0155	0.0104	0.011	0.0369
1273	10.5	10.6	0.2913	2.7217	1.2581	4.2711	0.0241	0.0166	0.0106	0.0514
1274	10.6	10.6	0.2925	2.7216	1.2577	4.2718	0.0195	0.0152	0.0056	0.0403
1275	10.4	10.7	0.2932	2.7202	1.2581	4.2716	0.0015	0.0136	0.0039	0.0189
1276	10.7	10.6	0.292	2.72	1.2588	4.2708	-0.0022	0.0263	0.0095	0.0335
1277	10.5	10.6	0.2907	2.7206	1.2588	4.27	-0.0078	0.0366	0.0171	0.046
1278	10.5	10.5	0.2906	2.7208	1.2586	4.27	-0.0188	0.0397	0.0217	0.0426
1279	10.3	10.5	0.29	2.7207	1.2585	4.2693	-0.0305	0.0517	0.0257	0.0469
1280	10.6	10.5	0.2899	2.7203	1.2586	4.2688	-0.0367	0.0344	0.0184	0.0161
1281	10.6	10.5	0.2905	2.7204	1.2587	4.2696	-0.0348	0.019	0.0215	0.0058
1282	10.7	10.5	0.2907	2.7205	1.2587	4.2698	-0.0401	-0.0008	0.0265	-0.0144
1283	10.8	10.5	0.2907	2.7205	1.2583	4.2695	-0.0465	-0.013	0.0262	-0.0333
1284	10.7	10.5	0.2912	2.7211	1.2581	4.2705	-0.0599	-0.0188	0.026	-0.0527
1285	10.6	10.5	0.2916	2.7216	1.2583	4.2715	-0.0643	-0.0113	0.023	-0.0527
1286	9.94	10.5	0.2921	2.7215	1.2584	4.2721	-0.0648	-0.0057	0.017	-0.0535

1287	10.3	10.5	0.2925	2.722	1.2587	4.2731	-0.0655	-0.0026	0.0233	-0.0448
1288	10.5	10.5	0.2928	2.7223	1.2589	4.274	-0.0655	0.0043	0.0275	-0.0336
1289	10.7	10.5	0.2927	2.722	1.2593	4.2741	-0.0668	0.0126	0.0173	-0.037
1290	10.2	10.5	0.293	2.722	1.2592	4.2743	-0.0654	0.0032	0.01	-0.0523
1291	10.3	10.5	0.2927	2.722	1.2593	4.2739	-0.0545	-0.0062	0.0137	-0.047
1292	10.3	10.4	0.2926	2.7221	1.2591	4.2739	-0.0523	-0.0045	0.0186	-0.0382
1293	10.2	10.4	0.2927	2.7225	1.2589	4.2741	-0.045	0.0032	0.0201	-0.0217
1294	10.5	10.3	0.2913	2.7224	1.2586	4.2724	-0.0306	-0.0015	0.0224	-0.0097
1295	10.3	10.3	0.2906	2.7219	1.2584	4.2709	-0.0086	-0.0082	0.0234	0.0067
1296	10.6	10.2	0.2903	2.7215	1.2587	4.2705	0.004	-0.0141	0.0247	0.0146
1297	10.4	10.2	0.2901	2.7206	1.2588	4.2696	-0.0012	-0.0273	0.0194	-0.0091
1298	10.7	10.2	0.2899	2.7205	1.2588	4.2692	0.0071	-0.0262	0.0182	-0.0008
1299	10.5	10.1	0.2896	2.7209	1.2588	4.2693	0.0098	-0.0234	0.0077	-0.0059
1300	10.3	10.1	0.2893	2.7207	1.2591	4.2691	0.0199	-0.0364	0.0034	-0.0132
1301	10.1	10	0.2901	2.7198	1.259	4.2689	0.0232	-0.0459	0.0099	-0.0127
1302	10.1	9.97	0.2914	2.7195	1.2593	4.2702	0.0253	-0.032	0.0128	0.0061
1303	9.63	9.91	0.292	2.7188	1.2592	4.27	0.0328	-0.0272	0.0096	0.0152
1304	9.36	9.83	0.2925	2.7186	1.259	4.2701	0.0405	-0.0233	0.0081	0.0252
1305	9.44	9.76	0.2927	2.7187	1.2588	4.2702	0.0533	-0.0167	0.005	0.0416
1306	9.86	9.69	0.2923	2.7189	1.2585	4.2697	0.0675	-0.0087	0.0039	0.0627
1307	9.7	9.65	0.2916	2.7191	1.2582	4.269	0.0767	-0.0061	0.0072	0.0778
1308	9.31	9.62	0.2914	2.7186	1.2583	4.2683	0.085	-0.0084	0.0066	0.0832
1309	9.22	9.59	0.2927	2.7184	1.2584	4.2695	0.0895	-0.0107	0.0063	0.0851
1310	9.5	9.58	0.2932	2.7179	1.2585	4.2696	0.0974	-0.0182	0.0145	0.0937
1311	9.48	9.56	0.2923	2.7174	1.2585	4.2682	0.0935	-0.0087	0.0239	0.1087
1312	9.25	9.55	0.2912	2.7174	1.2583	4.2669	0.0747	-0.0103	0.024	0.0884
1313	8.86	9.54	0.2908	2.7177	1.2579	4.2665	0.0596	-0.0125	0.0182	0.0653
1314	9.03	9.54	0.29	2.7185	1.2576	4.2661	0.0499	-0.0282	0.0242	0.0459
1315	9.26	9.58	0.2894	2.7194	1.2577	4.2665	0.0539	-0.0348	0.0237	0.0429
1316	9.72	9.58	0.2892	2.7194	1.258	4.2666	0.0524	-0.0434	0.0209	0.0299
1317	10	9.59	0.2877	2.7198	1.2578	4.2653	0.0415	-0.0497	0.0221	0.0139
1318	10	9.62	0.2859	2.7203	1.2574	4.2636	0.0397	-0.0543	0.0215	0.0069
1319	10.1	9.65	0.2852	2.7204	1.2572	4.2628	0.0352	-0.0536	0.0205	0.0021
1320	9.72	9.66	0.2853	2.7201	1.2572	4.2625	0.0384	-0.042	0.02	0.0164
1321	10.1	9.66	0.2849	2.7203	1.2573	4.2625	0.037	-0.0224	0.0133	0.0279
1322	9.32	9.66	0.2845	2.7205	1.2574	4.2624	0.0365	-0.0166	0.0066	0.0265
1323	9.44	9.69	0.285	2.7205	1.2578	4.2633	0.025	-0.0104	0.0018	0.0164

1324	10.1	9.7	0.2867	2.7205	1.2582	4.2654	0.0397	0.0004	0.0012	0.0413
1325	9.89	9.71	0.2872	2.7198	1.2578	4.2648	0.0547	-0.0033	-0.0027	0.0488
1326	9.95	9.69	0.2882	2.7184	1.2576	4.2642	0.0759	-0.0195	0.0005	0.0569
1327	9.88	9.68	0.2887	2.7185	1.2572	4.2645	0.0723	-0.0162	0.0118	0.0679
1328	9.71	9.65	0.29	2.7191	1.2572	4.2664	0.0587	-0.0086	0.0158	0.066
1329	9.77	9.62	0.2912	2.7198	1.2575	4.2684	0.057	-0.007	0.02	0.07
1330	9.46	9.63	0.2915	2.7194	1.2572	4.2681	0.0422	-0.0037	0.0207	0.0593
1331	9.29	9.61	0.2921	2.7202	1.2571	4.2694	0.0305	-0.0108	0.0194	0.039
1332	9.33	9.63	0.2923	2.7212	1.257	4.2706	0.0301	-0.0129	0.0211	0.0384
1333	9.3	9.63	0.2929	2.7221	1.257	4.272	0.0298	-0.0006	0.0225	0.0517
1334	9.35	9.61	0.2926	2.7216	1.257	4.2712	0.0271	0.0039	0.0228	0.0538
1335	9.46	9.61	0.2928	2.7219	1.2571	4.2718	0.0375	0.0059	0.0194	0.0628
1336	9.86	9.65	0.293	2.7219	1.2568	4.2718	0.0418	0.0079	0.0149	0.0646
1337	9.34	9.67	0.2933	2.7222	1.2565	4.2721	0.0422	0.0046	0.0153	0.0621
1338	9.61	9.72	0.2937	2.7225	1.257	4.2732	0.0416	0.0123	0.0143	0.0682
1339	9.84	9.75	0.2936	2.7236	1.257	4.2742	0.0358	0.0121	0.0132	0.0612
1340	9.7	9.79	0.2928	2.7242	1.257	4.274	0.0386	0.0076	0.018	0.0642
1341	9.58	9.84	0.2925	2.7243	1.257	4.2737	0.0481	0.0098	0.0161	0.074
1342	9.46	9.9	0.2909	2.7243	1.2573	4.2726	0.0478	0.0025	0.0197	0.0699
1343	9.76	9.95	0.2898	2.7251	1.2573	4.2722	0.0498	-0.001	0.0181	0.0669
1344	9.92	10	0.2892	2.7252	1.2571	4.2715	0.0497	0.0093	0.0083	0.0672
1345	10.6	10.1	0.2899	2.725	1.2571	4.272	0.0439	0.0038	0.0039	0.0515
1346	10.4	10.1	0.2911	2.7251	1.2575	4.2737	0.0466	-0.0038	0.0102	0.0529
1347	10.7	10.2	0.2913	2.724	1.2577	4.2731	0.0388	-0.0175	0.0106	0.0319
1348	10.3	10.2	0.2915	2.7233	1.2584	4.2731	0.0301	-0.0333	0.0125	0.0094
1349	10.3	10.3	0.2911	2.7237	1.2586	4.2734	0.0119	-0.0363	0.0153	-0.0091
1350	10.2	10.3	0.2912	2.7243	1.2583	4.2737	-0.0045	-0.0388	0.0176	-0.0257
1351	10.4	10.4	0.2909	2.7236	1.258	4.2725	-0.0178	-0.0416	0.0215	-0.0379
1352	10.3	10.5	0.29	2.7229	1.2583	4.2713	-0.0164	-0.0472	0.0168	-0.0468
1353	10.3	10.5	0.2882	2.7227	1.2583	4.2693	-0.0021	-0.0447	0.0187	-0.0281
1354	10.5	10.5	0.2864	2.7223	1.2581	4.2668	0.0023	-0.0481	0.0156	-0.0301
1355	10.8	10.5	0.2854	2.7216	1.2579	4.2649	0.0113	-0.0394	0.0125	-0.0157
1356	10.8	10.5	0.2854	2.7219	1.2576	4.2649	0.0266	-0.0214	0.0114	0.0166
1357	10.6	10.5	0.2847	2.7224	1.2579	4.2649	0.0303	-0.0132	0.0083	0.0255
1358	10.3	10.5	0.2844	2.7224	1.2582	4.265	0.0213	-0.0107	0.0065	0.0171
1359	10.7	10.5	0.2837	2.7239	1.2578	4.2654	0.017	-0.007	0.0067	0.0167
1360	10.6	10.5	0.2834	2.7242	1.2572	4.2648	0.0365	-0.0085	0.0065	0.0345

1361	11.3	10.5	0.2847	2.7243	1.2571	4.2661	0.0494	-0.0126	0.0057	0.0425
1362	10.6	10.5	0.2858	2.7242	1.2573	4.2673	0.0435	-0.0155	0.0074	0.0355
1363	10.1	10.5	0.2861	2.7242	1.2568	4.2671	0.0301	-0.0053	0.0112	0.0361
1364	10.5	10.4	0.2854	2.7239	1.257	4.2662	0.0198	-0.0077	0.0082	0.0203
1365	10.5	10.4	0.2856	2.7244	1.2571	4.2671	0.0037	-0.0119	0.0049	-0.0032
1366	10.3	10.3	0.2862	2.7253	1.257	4.2684	0.0004	-0.0111	0.0071	-0.0035
1367	10	10.2	0.2858	2.7257	1.2568	4.2683	-0.0042	-0.0126	0.0102	-0.0065
1368	10.1	10.2	0.2859	2.7254	1.2569	4.2681	-0.0145	-0.0044	0.0119	-0.0069
1369	10.5	10.1	0.2855	2.7249	1.2568	4.2672	-0.0273	0.0036	0.0128	-0.0109
1370	10.3	10	0.2864	2.7241	1.2568	4.2673	-0.0326	0.0057	0.0081	-0.0188
1371	10.6	9.96	0.2863	2.7235	1.2573	4.2671	-0.0342	0.001	0.0036	-0.0297
1372	9.56	9.96	0.2875	2.7223	1.258	4.2678	-0.0326	0.0071	0.0011	-0.0244
1373	9.78	9.96	0.2874	2.7216	1.258	4.267	-0.04	0.0123	-0.0018	-0.0295
1374	9.7	9.95	0.287	2.7219	1.258	4.2669	-0.0358	0.0077	0.0004	-0.0276
1375	9.8	9.92	0.2857	2.7222	1.2581	4.2659	-0.0199	0.0084	0.0045	-0.007
1376	9.33	9.93	0.2847	2.7216	1.2576	4.264	-0.0173	0.0048	0.0012	-0.0112
1377	9.17	9.96	0.2848	2.7214	1.2572	4.2634	-0.0087	-0.0087	0.003	-0.0144
1378	9.32	10	0.2849	2.7215	1.2566	4.263	-0.0023	-0.0131	0.0048	-0.0106
1379	9.12	10	0.2858	2.721	1.2565	4.2633	0.006	-0.0108	0.006	0.0012
1380	9.98	10	0.2868	2.7214	1.2567	4.2649	0.0089	-0.0011	0.0094	0.0172
1381	10.6	10	0.2874	2.7217	1.2566	4.2657	0.0129	-0.003	0.0073	0.0172
1382	10.1	10	0.2877	2.7206	1.2564	4.2647	0.0141	-0.0078	0.006	0.0123
1383	10.2	10.1	0.288	2.7201	1.256	4.2641	0.0158	-0.0004	0.0054	0.0209
1384	10.1	10.1	0.2875	2.7205	1.2562	4.2642	0.0294	0.0091	0.0077	0.0462
1385	10.5	10.1	0.2874	2.7208	1.2568	4.265	0.0303	-0.0019	0.0125	0.0409
1386	10.6	10.2	0.2879	2.7211	1.2569	4.2658	0.0431	-0.0007	0.0175	0.0599
1387	10.7	10.2	0.2883	2.7207	1.2573	4.2663	0.054	0.004	0.01	0.068
1388	10.5	10.3	0.2892	2.7211	1.2576	4.2679	0.0679	0.0102	-0.0005	0.0776
1389	10.4	10.3	0.2889	2.7212	1.2575	4.2677	0.0614	0.0141	0.0036	0.0791
1390	10.6	10.3	0.2882	2.7211	1.2576	4.2669	0.0456	0.0238	0.0044	0.0738
1391	10.4	10.3	0.2879	2.7217	1.2573	4.2669	0.0296	0.0265	0.0014	0.0574
1392	10.6	10.3	0.2876	2.7222	1.2573	4.2672	0.018	0.0383	0.0007	0.057
1393	9.97	10.3	0.2878	2.7215	1.2581	4.2674	-0.0094	0.044	0.004	0.0386
1394	10.5	10.4	0.287	2.7221	1.2582	4.2672	-0.0202	0.0534	0.0055	0.0387
1395	10	10.3	0.2859	2.7223	1.2574	4.2656	-0.0195	0.047	0.0033	0.0308
1396	10.2	10.3	0.2864	2.7233	1.2576	4.2673	-0.0046	0.0412	0.004	0.0406
1397	9.88	10.3	0.2871	2.724	1.2575	4.2686	0.0085	0.042	0.0078	0.0583

1398	9.92	10.3	0.2887	2.7241	1.2573	4.2701	0.0095	0.031	0.0095	0.05
1399	10.2	10.3	0.29	2.7248	1.2571	4.2719	0.0218	0.0233	0.0152	0.0602
1400	10.4	10.3	0.2911	2.7249	1.257	4.2729	0.0392	0.0288	0.0176	0.0857
1401	10.5	10.3	0.2917	2.7245	1.2573	4.2735	0.0457	0.0298	0.0136	0.0891
1402	10.5	10.3	0.2916	2.724	1.2574	4.273	0.0362	0.0171	0.0082	0.0615
1403	10.4	10.3	0.2918	2.7236	1.2576	4.273	0.0179	0.0041	0.0102	0.0322
1404	10.5	10.2	0.2914	2.7225	1.2577	4.2717	-0.005	-0.0037	0.0081	-0.0006
1405	10.4	10.2	0.2901	2.7208	1.2577	4.2686	-0.0236	-0.014	0.004	-0.0335
1406	10.3	10.2	0.2892	2.7202	1.2577	4.2671	-0.0259	-0.0236	0.0039	-0.0456
1407	10.4	10.2	0.2895	2.7201	1.2576	4.2673	-0.0296	-0.0098	0.0015	-0.0379
1408	10.3	10.2	0.2897	2.7193	1.2576	4.2666	-0.0429	-0.0025	0.0037	-0.0417
1409	10.3	10.2	0.289	2.7193	1.2577	4.266	-0.05	-0.0001	0.0089	-0.0411
1410	10.6	10.1	0.2883	2.7192	1.2579	4.2653	-0.0607	0.0123	0.0067	-0.0416
1411	10.2	10.1	0.2879	2.7189	1.2577	4.2646	-0.0673	0.0175	0.0002	-0.0496
1412	9.83	10.1	0.2882	2.7179	1.2572	4.2633	-0.0516	0.0192	-0.0035	-0.0359
1413	9.84	10	0.2888	2.7185	1.2571	4.2644	-0.031	0.013	-0.0007	-0.0186
1414	9.98	10	0.2896	2.7197	1.2571	4.2664	-0.021	0.0085	-0.007	-0.0195
1415	9.71	10	0.2894	2.7205	1.257	4.2669	-0.029	-0.0003	-0.0034	-0.0328
1416	10.3	10	0.2896	2.7206	1.257	4.2672	-0.0334	0.001	0.002	-0.0304
1417	9.52	10	0.2892	2.7203	1.2566	4.266	-0.0318	0.0128	0.0035	-0.0155
1418	9.61	10	0.2886	2.7199	1.2561	4.2647	-0.0346	0.0211	0.0007	-0.0128
1419	9.58	10	0.2885	2.7198	1.2564	4.2647	-0.0351	0.0252	-0.004	-0.0138
1420	9.58	9.96	0.2887	2.72	1.2568	4.2655	-0.0337	0.0208	-0.0069	-0.0198
1421	10.1	9.95	0.2882	2.7196	1.2572	4.2649	-0.0155	0.0015	-0.007	-0.0209
1422	9.71	9.96	0.2885	2.7193	1.2576	4.2654	-0.0126	-0.0147	-0.0003	-0.0276
1423	9.82	9.97	0.2885	2.7197	1.2578	4.2661	0.0047	-0.0272	0.0103	-0.0121
1424	10.4	9.98	0.2886	2.7197	1.2578	4.2661	0.0039	-0.0263	0.0135	-0.0089
1425	10.5	10	0.289	2.7193	1.2576	4.2659	-0.0051	-0.0166	0.0148	-0.0069
1426	10.5	10	0.2891	2.7193	1.2573	4.2657	-0.0262	-0.0049	0.0123	-0.0188
1427	10.2	10.1	0.2889	2.7198	1.2568	4.2655	-0.0318	-0.0086	0.0036	-0.0368
1428	9.99	10.1	0.2894	2.7202	1.2566	4.2663	-0.027	-0.0126	-0.0037	-0.0433
1429	9.89	10.1	0.2903	2.7199	1.2565	4.2667	-0.0264	-0.0174	-0.0069	-0.0506
1430	9.98	10.1	0.2902	2.7197	1.2565	4.2664	-0.0164	-0.0188	-0.0074	-0.0426
1431	10.1	10.1	0.2907	2.721	1.2565	4.2682	-0.0057	-0.0187	-0.0079	-0.0322
1432	10	10.1	0.2907	2.7213	1.2565	4.2685	-0.0037	-0.0223	-0.0079	-0.0338
1433	10.2	10.1	0.29	2.7212	1.2562	4.2674	-0.0068	-0.0368	-0.0083	-0.0519
1434	10.2	10	0.2896	2.7218	1.2558	4.2671	-0.0084	-0.0403	-0.0133	-0.062

1435	10.4	10	0.2885	2.722	1.2553	4.2658	-0.0181	-0.0341	-0.0079	-0.0601
1436	10.4	10.1	0.2876	2.7215	1.2558	4.265	-0.0207	-0.0319	0.0008	-0.0518
1437	10	10.1	0.2866	2.7212	1.2566	4.2643	-0.0221	-0.032	0.0027	-0.0514
1438	9.98	10.1	0.2875	2.7211	1.2566	4.2652	-0.0191	-0.0366	0.0114	-0.0442
1439	10.1	10.1	0.289	2.7212	1.2566	4.2669	-0.0162	-0.0319	0.014	-0.0342
1440	9.84	10.1	0.2898	2.7216	1.2568	4.2683	-0.0184	-0.0242	0.0125	-0.0301
1441	9.26	10.1	0.2907	2.7205	1.2569	4.268	-0.0266	-0.0205	0.0131	-0.034
1442	9.61	10.1	0.2919	2.7199	1.2569	4.2687	-0.0276	-0.0142	0.0076	-0.0341
1443	9.7	10.1	0.2918	2.7198	1.2567	4.2683	-0.0325	-0.0036	0.0065	-0.0296
1444	10.5	10.2	0.2911	2.7205	1.2568	4.2685	-0.0278	-0.0047	0.0148	-0.0176
1445	10.8	10.1	0.2904	2.7209	1.2567	4.268	-0.0344	0.0077	0.0163	-0.0103
1446	10.5	10.1	0.2902	2.7209	1.2567	4.2679	-0.0379	0.0159	0.009	-0.013
1447	9.9	10.1	0.2904	2.7209	1.2568	4.2681	-0.0352	0.0326	0.0101	0.0075
1448	10.6	10.2	0.2893	2.7209	1.2568	4.2671	-0.034	0.0428	0.0074	0.0162
1449	10.3	10.2	0.2872	2.7208	1.2568	4.2649	-0.0164	0.0408	0.0025	0.0269
1450	10.2	10.2	0.2866	2.7213	1.2569	4.2648	-0.0049	0.0414	-0.0015	0.035
1451	10.1	10.2	0.2873	2.7219	1.2572	4.2663	0.0074	0.028	-0.0016	0.0338
1452	10.4	10.2	0.2883	2.7225	1.2573	4.2681	0.0248	0.0096	0.0104	0.0448
1453	10.5	10.3	0.2887	2.7231	1.2575	4.2693	0.0302	-0.0036	0.0187	0.0452
1454	10.2	10.3	0.2888	2.7237	1.2577	4.2702	0.0241	-0.0189	0.0221	0.0274
1455	10.1	10.3	0.288	2.724	1.2575	4.2694	0.0038	-0.0295	0.0181	-0.0076
1456	10.4	10.3	0.2883	2.7229	1.2575	4.2687	-0.0158	-0.0458	0.0187	-0.0429
1457	10.1	10.4	0.289	2.7226	1.2575	4.2691	-0.0272	-0.0511	0.0172	-0.061
1458	10	10.4	0.2894	2.7224	1.2573	4.2691	-0.0268	-0.0522	0.017	-0.062
1459	10.4	10.4	0.2897	2.7227	1.2571	4.2695	-0.0304	-0.062	0.0183	-0.074
1460	10.1	10.5	0.2902	2.7225	1.2572	4.2698	-0.0446	-0.0711	0.0214	-0.0943
1461	10.1	10.5	0.2898	2.7224	1.2575	4.2697	-0.05	-0.0817	0.0216	-0.1101
1462	10.1	10.6	0.2889	2.7229	1.2574	4.2692	-0.0435	-0.0916	0.0172	-0.1178
1463	10.4	10.5	0.2882	2.7234	1.2575	4.269	-0.0332	-0.108	0.0104	-0.1308
1464	11	10.6	0.2883	2.7239	1.2573	4.2695	-0.0203	-0.1114	0.0059	-0.1258
1465	11.1	10.6	0.289	2.7243	1.2569	4.2702	-0.0118	-0.1078	0.011	-0.1086
1466	10.8	10.6	0.2893	2.724	1.2566	4.27	-0.0279	-0.0978	0.0115	-0.1142
1467	11.2	10.6	0.2893	2.7236	1.2567	4.2696	-0.0289	-0.0875	0.0118	-0.1046
1468	11.3	10.6	0.2894	2.7229	1.2573	4.2695	-0.0219	-0.084	0.0067	-0.0991
1469	11.2	10.6	0.2889	2.7228	1.2575	4.2692	-0.0233	-0.0817	0.0032	-0.1019
1470	11	10.7	0.2879	2.724	1.2575	4.2694	-0.0218	-0.0832	0.0063	-0.0987
1471	10.6	10.7	0.2876	2.7249	1.2573	4.2699	-0.0207	-0.0894	0.0118	-0.0983

1472	10.2	10.7	0.287	2.725	1.257	4.269	-0.0312	-0.0913	0.0166	-0.106
1473	10.7	10.7	0.287	2.7243	1.2566	4.2679	-0.0278	-0.0876	0.0182	-0.0971
1474	10.4	10.6	0.2875	2.7236	1.2565	4.2676	-0.0335	-0.0816	0.0162	-0.0989
1475	10.1	10.6	0.2883	2.7227	1.2568	4.2678	-0.0257	-0.0858	0.0159	-0.0956
1476	10.1	10.5	0.2879	2.7225	1.2573	4.2677	-0.0245	-0.0928	0.0133	-0.1039
1477	10.9	10.4	0.2875	2.7227	1.2576	4.2677	-0.0325	-0.0904	0.0052	-0.1177
1478	10.9	10.4	0.2875	2.7232	1.2573	4.268	-0.037	-0.0792	-0.0021	-0.1184
1479	10.5	10.3	0.2875	2.7229	1.2572	4.2676	-0.0192	-0.0679	-0.0018	-0.0889
1480	10.3	10.3	0.2874	2.7232	1.2574	4.2681	0.0038	-0.0678	0.0012	-0.0628
1481	10.2	10.3	0.2878	2.7239	1.2574	4.2691	0.0135	-0.0698	0.0045	-0.0518
1482	10.2	10.3	0.2884	2.7242	1.2572	4.2698	0.0191	-0.056	0.0032	-0.0337
1483	10	10.3	0.2888	2.7241	1.2573	4.2703	0.0248	-0.0541	0.0019	-0.0275
1484	10.1	10.3	0.2893	2.7239	1.257	4.2702	0.0259	-0.0539	0.0023	-0.0258
1485	10.2	10.3	0.2895	2.724	1.2567	4.2702	0.028	-0.0466	-0.0044	-0.023
1486	9.42	10.3	0.2901	2.7243	1.2566	4.271	0.0091	-0.041	-0.0073	-0.0392
1487	10.2	10.3	0.2902	2.7244	1.2561	4.2707	-0.0052	-0.0418	0.0006	-0.0463
1488	10.2	10.2	0.2908	2.7243	1.2562	4.2713	-0.0142	-0.0364	0.0109	-0.0397
1489	10.7	10.3	0.2907	2.7237	1.2563	4.2707	-0.0064	-0.03	0.0144	-0.022
1490	10.5	10.2	0.2909	2.7231	1.2563	4.2703	-0.0005	-0.0244	0.014	-0.0109
1491	10.2	10.2	0.2907	2.7231	1.2565	4.2703	0.0044	-0.0159	0.0158	0.0043
1492	10.5	10.2	0.2909	2.7226	1.2567	4.2702	0.0126	-0.0214	0.016	0.0072
1493	10.4	10.2	0.2906	2.722	1.2566	4.2691	0.0277	-0.0291	0.0155	0.0141
1494	10.2	10.2	0.2904	2.7213	1.2566	4.2682	0.0284	-0.0372	0.0109	0.0022
1495	10.3	10.2	0.2897	2.7207	1.2565	4.2669	0.0222	-0.0343	0.0069	-0.0052
1496	10.4	10.3	0.29	2.72	1.2566	4.2666	0.0197	-0.0237	0.0033	-0.0006
1497	10.1	10.3	0.2905	2.7197	1.2568	4.267	0.0197	-0.0215	0.0025	0.0007
1498	10.6	10.3	0.2903	2.7201	1.257	4.2674	0.0207	-0.0267	0.003	-0.0029
1499	10.1	10.3	0.2905	2.7206	1.2572	4.2684	0.006	-0.026	-0.0001	-0.0201
1500	9.82	10.3	0.2903	2.7221	1.2572	4.2695	-0.0272	-0.0313	-0.0018	-0.0603
1501	10.1	10.3	0.2892	2.7236	1.2563	4.2691	-0.034	-0.0291	0.0034	-0.0597
1502	10.2	10.3	0.2886	2.7243	1.2556	4.2685	-0.0321	-0.0163	0.0102	-0.0382
1503	10.1	10.3	0.2894	2.7255	1.2554	4.2703	-0.0207	-0.0071	0.0135	-0.0143
1504	10.4	10.3	0.291	2.7255	1.2559	4.2724	-0.0182	0.004	0.0115	-0.0027
1505	10.1	10.3	0.2916	2.7254	1.2558	4.2729	-0.0174	0.0172	0.0152	0.015
1506	10.1	10.3	0.2919	2.7253	1.256	4.2732	-0.0228	0.0174	0.0166	0.0112
1507	10.5	10.3	0.2922	2.7254	1.2559	4.2735	-0.0156	0.01	0.0169	0.0113
1508	10.8	10.3	0.2928	2.7255	1.2558	4.274	-0.0063	0.0161	0.0165	0.0263

1509	10.7	10.3	0.2935	2.7264	1.2556	4.2755	-0.0048	0.0194	0.0134	0.0279
1510	10.6	10.3	0.2933	2.7273	1.2558	4.2764	-0.0029	0.027	0.0123	0.0364
1511	10.2	10.4	0.2923	2.7281	1.256	4.2764	0.001	0.026	0.0107	0.0377
1512	10.2	10.4	0.2916	2.7287	1.2562	4.2764	-0.0076	0.0106	0.0134	0.0164
1513	10.7	10.4	0.2909	2.7296	1.2565	4.277	-0.0179	0.0154	0.0161	0.0136
1514	10.5	10.4	0.2908	2.7305	1.256	4.2773	-0.0235	0.0252	0.018	0.0197
1515	9.9	10.4	0.2922	2.7303	1.2558	4.2783	-0.0213	0.0309	0.0231	0.0326
1516	9.81	10.4	0.2925	2.7294	1.2558	4.2777	-0.011	0.0317	0.0165	0.0371
1517	10.4	10.3	0.2914	2.7286	1.2559	4.2759	-0.0157	0.0325	0.0134	0.0301
1518	10.7	10.3	0.291	2.7281	1.2558	4.2748	-0.0094	0.0294	0.0147	0.0346
1519	10.2	10.2	0.2907	2.7281	1.2558	4.2746	-0.0063	0.0216	0.0196	0.0348
1520	10.3	10.2	0.2908	2.7289	1.2557	4.2753	-0.0079	0.0182	0.0217	0.0319
1521	10.3	10.1	0.2913	2.7287	1.2555	4.2755	-0.0082	0.0303	0.0206	0.0427
1522	10.3	10.1	0.2913	2.728	1.2558	4.2751	-0.0065	0.043	0.018	0.0546
1523	10.5	10.1	0.2919	2.7279	1.2562	4.276	-0.0159	0.0391	0.0121	0.0354
1524	10.2	10	0.2912	2.7283	1.2562	4.2757	-0.0167	0.0214	0.0061	0.0108
1525	10.1	10	0.2914	2.7286	1.2563	4.2763	-0.0046	0.0083	0.0081	0.0119
1526	10.1	10.1	0.2923	2.7283	1.2568	4.2775	0.0111	-0.0087	0.0155	0.0179
1527	9.69	10.1	0.2926	2.7278	1.257	4.2774	0.0109	-0.0206	0.0172	0.0076
1528	9.4	10.1	0.2914	2.727	1.2568	4.2752	0.0061	-0.0303	0.0223	-0.0019
1529	9.56	10.1	0.2899	2.7266	1.2564	4.273	0.001	-0.0229	0.0191	-0.0027
1530	9.64	10	0.2889	2.7267	1.2561	4.2716	-0.0005	-0.0223	0.0198	-0.003
1531	9.89	10	0.2888	2.7266	1.2562	4.2716	-0.0043	-0.0136	0.0183	0.0004
1532	10.1	10	0.2882	2.7267	1.2563	4.2712	-0.0084	-0.0065	0.0168	0.0019
1533	9.86	10	0.2874	2.7266	1.256	4.27	-0.0049	-0.0029	0.0132	0.0055
1534	9.81	9.99	0.2868	2.7265	1.2562	4.2694	-0.0052	-0.0073	0.0113	-0.0012
1535	10.2	9.96	0.2876	2.7261	1.2561	4.2697	-0.0096	-0.0137	0.0072	-0.0161
1536	10.6	9.92	0.2882	2.7257	1.2558	4.2696	-0.0156	-0.0157	0.0037	-0.0276
1537	10.4	9.9	0.288	2.7248	1.2555	4.2683	-0.0127	-0.0096	0.0015	-0.0208
1538	10.2	9.92	0.2882	2.7241	1.2552	4.2674	-0.0117	-0.0037	-0.0036	-0.019
1539	10	9.91	0.2891	2.7237	1.2552	4.268	-0.0015	-0.0008	-0.003	-0.0053
1540	10	9.89	0.2894	2.7232	1.2552	4.2678	0.0091	-0.0007	-0.0003	0.0081
1541	10.4	9.85	0.2894	2.7226	1.2553	4.2673	0.0137	0.0032	-0.0008	0.0162
1542	10.4	9.82	0.2891	2.7228	1.2553	4.2673	0.0086	0.0063	0.0003	0.0151
1543	9.57	9.8	0.289	2.7235	1.2556	4.2681	0.0192	-0.0014	0.003	0.0208
1544	9.49	9.79	0.2889	2.724	1.2561	4.269	0.0187	-0.0139	0.0056	0.0104
1545	9.28	9.71	0.2884	2.7233	1.2564	4.268	0.0111	-0.0251	0.0023	-0.0118

1546	9.32	9.63	0.2883	2.723	1.2565	4.2678	-0.0009	-0.0247	0.0003	-0.0254
1547	9.8	9.57	0.2883	2.7236	1.2565	4.2684	-0.0037	-0.0247	0.0025	-0.0258
1548	9.39	9.54	0.2887	2.7235	1.2568	4.2691	0.0021	-0.0229	0.0053	-0.0155
1549	9.21	9.51	0.2899	2.724	1.257	4.2709	0.0058	-0.0192	0.0066	-0.0067
1550	9.03	9.48	0.29	2.7242	1.2566	4.2708	0.0155	-0.0167	0.0103	0.0092
1551	9.56	9.44	0.2905	2.7235	1.2562	4.2702	0.0161	-0.0064	0.0123	0.022
1552	9.51	9.41	0.2903	2.7232	1.256	4.2695	0.0048	0.0066	0.0081	0.0196
1553	9.67	9.43	0.2905	2.7227	1.2564	4.2696	-0.0059	0.0151	0.0056	0.0148
1554	8.71	9.44	0.2905	2.722	1.2562	4.2687	-0.0096	0.0323	0.0003	0.023
1555	9.04	9.45	0.2903	2.7222	1.2558	4.2683	-0.006	0.0287	0.0005	0.0232
1556	9.33	9.46	0.2899	2.7219	1.2558	4.2675	-0.0062	0.0306	-0.0016	0.0227
1557	9.5	9.43	0.2896	2.721	1.2559	4.2664	-0.0057	0.0365	0.0039	0.0347
1558	9.38	9.44	0.2899	2.7205	1.256	4.2663	-0.0096	0.0484	0.0069	0.0457
1559	9.57	9.47	0.29	2.72	1.2559	4.2659	-0.0074	0.0472	0.0044	0.0442
1560	9.61	9.54	0.2901	2.7199	1.2561	4.266	0.0057	0.0509	0.0005	0.0571
1561	9.92	9.59	0.2906	2.7213	1.2561	4.2681	0.0119	0.0546	0.002	0.0686
1562	9.82	9.63	0.2907	2.7214	1.2558	4.2678	0.0061	0.057	0.008	0.0711
1563	9.64	9.65	0.2905	2.7208	1.2557	4.267	-0.0124	0.0568	0.0102	0.0546
1564	9.62	9.71	0.2904	2.7208	1.255	4.2662	-0.0279	0.0659	0.0115	0.0495
1565	9.41	9.77	0.2901	2.7211	1.2553	4.2664	-0.0256	0.0799	0.0038	0.0581
1566	9.29	9.82	0.2909	2.7208	1.2553	4.267	-0.0046	0.0848	-0.0002	0.08
1567	9.47	9.86	0.2902	2.7207	1.2552	4.2662	0.0124	0.0749	-0.0023	0.0849
1568	9.81	9.89	0.29	2.7207	1.2553	4.266	0.0146	0.0658	-0.0035	0.0768
1569	10.5	9.92	0.2897	2.721	1.2553	4.266	0.0176	0.0591	-0.005	0.0716
1570	10.4	9.92	0.2887	2.7209	1.2554	4.2651	0.0236	0.0516	-0.0051	0.07
1571	10.3	9.93	0.2882	2.7206	1.2555	4.2644	0.0286	0.058	-0.0045	0.082
1572	10.1	9.99	0.2886	2.7211	1.2558	4.2655	0.039	0.0492	-0.0038	0.0844
1573	9.93	10.1	0.2887	2.7221	1.256	4.2668	0.0354	0.0354	0.0037	0.0744
1574	10	10.1	0.288	2.7228	1.2557	4.2664	0.0501	0.0353	0.0079	0.0934
1575	10.3	10.1	0.2872	2.7236	1.2553	4.266	0.038	0.0421	0.0084	0.0885
1576	10.3	10.2	0.2868	2.7246	1.2555	4.2669	0.0389	0.0489	0.0069	0.0947
1577	9.99	10.2	0.2869	2.7257	1.2553	4.2679	0.0463	0.0555	0.0064	0.1082
1578	9.98	10.3	0.2874	2.7255	1.2554	4.2683	0.0443	0.0486	0.0093	0.1022
1579	9.66	10.2	0.2875	2.7252	1.2552	4.2679	0.0251	0.0392	0.006	0.0703
1580	10.2	10.2	0.2878	2.7246	1.2556	4.268	0.0106	0.0342	-0.0003	0.0445
1581	11	10.3	0.2886	2.7246	1.2557	4.2689	0.0058	0.0351	-0.0019	0.0391
1582	10.7	10.3	0.2889	2.7245	1.2559	4.2693	0.005	0.039	0.0038	0.0478

1583	10.5	10.3	0.2893	2.7249	1.2562	4.2704	-0.0051	0.0414	0.0039	0.0402
1584	10.3	10.4	0.2903	2.7253	1.2562	4.2718	-0.015	0.0367	0.0022	0.0239
1585	10.3	10.4	0.291	2.7256	1.2563	4.2729	-0.0183	0.0338	0.0065	0.0221
1586	10.3	10.4	0.2914	2.7252	1.2565	4.2731	-0.0067	0.0355	0.0083	0.0372
1587	10.4	10.5	0.2914	2.7248	1.2565	4.2726	0.0011	0.0381	0.0089	0.0481
1588	9.93	10.5	0.291	2.7244	1.2565	4.2718	0.0073	0.0266	0.0062	0.0401
1589	10.3	10.6	0.2898	2.7237	1.2563	4.2699	0.0073	0.0185	0.0003	0.0261
1590	10.8	10.6	0.2895	2.7228	1.2564	4.2687	0.0198	0.0156	0.0019	0.0373
1591	11.1	10.6	0.2898	2.7225	1.2565	4.2688	0.0298	0.0128	0.0025	0.0452
1592	10.5	10.6	0.289	2.7227	1.2564	4.2681	0.0262	0.0071	0.005	0.0383
1593	10.7	10.6	0.2887	2.7234	1.256	4.2681	0.018	0.0104	0.0063	0.0347
1594	10.6	10.6	0.2893	2.7238	1.2563	4.2694	0.0201	0.0179	0.0143	0.0523
1595	11.2	10.6	0.2898	2.7232	1.2565	4.2695	0.0163	0.0229	0.0227	0.0619
1596	11.1	10.6	0.2903	2.7225	1.2563	4.2692	0.0033	0.01	0.024	0.0373
1597	10.8	10.6	0.2903	2.722	1.2563	4.2686	-0.0069	0.0025	0.0217	0.0174
1598	10.4	10.6	0.2898	2.722	1.2564	4.2681	-0.0135	0.003	0.0205	0.01
1599	10.5	10.6	0.2889	2.7223	1.2562	4.2674	-0.0129	-0.0009	0.0261	0.0123
1600	10.7	10.5	0.2887	2.7227	1.2559	4.2673	-0.0045	0.0075	0.0256	0.0285
1601	10.5	10.5	0.2887	2.7229	1.2555	4.2671	-0.0044	0.013	0.0213	0.0299
1602	10.5	10.5	0.2891	2.7228	1.255	4.267	0.0023	0.0086	0.0192	0.0301
1603	10.4	10.4	0.2903	2.7222	1.2554	4.268	0.0044	0.0112	0.0171	0.0327
1604	10.4	10.4	0.2916	2.7226	1.2558	4.2701	0.0019	0.0051	0.0174	0.0243
1605	10.5	10.3	0.2923	2.7223	1.256	4.2706	-0.001	-0.0068	0.0089	0.0011
1606	10.2	10.2	0.2925	2.7217	1.2556	4.2698	0.0068	-0.0121	0.004	-0.0013
1607	9.7	10.2	0.2932	2.7205	1.2552	4.2689	0.0104	-0.0233	0.0089	-0.004
1608	9.96	10.1	0.2935	2.7208	1.2553	4.2696	0.005	-0.041	0.0145	-0.0215
1609	10.1	10.1	0.2929	2.7213	1.2556	4.2698	0.0079	-0.0554	0.0171	-0.0304
1610	10.5	10.1	0.2921	2.7219	1.2556	4.2695	0.0082	-0.0638	0.013	-0.0426
1611	10.1	10	0.2917	2.7224	1.2552	4.2693	0.0012	-0.0644	0.0147	-0.0485
1612	9.62	9.99	0.2928	2.723	1.2551	4.2709	0.0021	-0.0452	0.0161	-0.0271
1613	9.51	9.96	0.2937	2.7231	1.2554	4.2721	0.0088	-0.0437	0.0105	-0.0244
1614	9.93	9.9	0.2933	2.7225	1.2556	4.2715	0.0091	-0.0507	0.0105	-0.0311
1615	9.91	9.84	0.2926	2.7218	1.2558	4.2703	0.0101	-0.0516	0.0052	-0.0362
1616	9.53	9.8	0.2912	2.7219	1.256	4.2692	0.0139	-0.0491	0.0074	-0.0278
1617	9.73	9.79	0.2899	2.7221	1.2562	4.2682	0.0282	-0.0544	0.0042	-0.0219
1618	9.94	9.79	0.2892	2.7222	1.2563	4.2677	0.0218	-0.0626	0.0051	-0.0357
1619	9.92	9.79	0.2883	2.723	1.2563	4.2676	0.0078	-0.0651	0.0043	-0.053

1620	10.3	9.77	0.2879	2.7231	1.2561	4.2671	-0.0069	-0.0673	0.0036	-0.0707
1621	9.56	9.78	0.2874	2.7238	1.2559	4.2671	-0.0297	-0.0675	0.0073	-0.0899
1622	9.81	9.8	0.2877	2.7245	1.2554	4.2676	-0.0325	-0.0573	0.0074	-0.0823
1623	9.27	9.83	0.2869	2.7244	1.2554	4.2666	-0.0199	-0.0484	0.0057	-0.0626
1624	9.42	9.85	0.2874	2.7241	1.2553	4.2668	-0.0174	-0.0402	0.0057	-0.0519
1625	9.31	9.86	0.2875	2.7237	1.2556	4.2668	-0.0166	-0.0429	0.0003	-0.0592
1626	9.68	9.89	0.2877	2.7228	1.2561	4.2666	-0.0097	-0.0333	0.0008	-0.0422
1627	9.97	9.91	0.2882	2.7229	1.256	4.2671	0.0021	-0.0208	0.0076	-0.0112
1628	10	9.94	0.2889	2.7231	1.2562	4.2681	0.0075	-0.002	0.0047	0.0102
1629	10.2	9.98	0.2888	2.7232	1.2564	4.2685	0.0114	0.0004	0.005	0.0168
1630	10.1	10	0.2883	2.7232	1.2562	4.2677	0.0105	0.0017	-0.0009	0.0113
1631	10.1	10	0.2883	2.7227	1.2558	4.2668	0.0054	0.004	0.0013	0.0107
1632	10.1	10.1	0.2888	2.7226	1.2559	4.2672	0.0106	0.0074	0.0013	0.0192
1633	10.2	10.1	0.2889	2.7229	1.2558	4.2676	0.0106	0.0072	0.0032	0.021
1634	10.2	10.2	0.2886	2.7231	1.2555	4.2672	0.0133	0.0116	0.0078	0.0327
1635	10	10.2	0.2883	2.7225	1.2552	4.266	0.0194	0.0153	0.0055	0.0402
1636	10.2	10.2	0.288	2.7219	1.2549	4.2648	0.0259	0.022	0.0077	0.0555
1637	10.4	10.2	0.2872	2.7221	1.2549	4.2643	0.0281	0.0277	0.0091	0.0648
1638	10.9	10.2	0.2875	2.7222	1.2552	4.2648	0.0329	0.0307	0.0095	0.0731
1639	10.8	10.2	0.2871	2.7221	1.255	4.2642	0.033	0.0253	0.0148	0.0731
1640	10.3	10.2	0.2864	2.7219	1.255	4.2633	0.0298	0.015	0.018	0.0628
1641	10.6	10.1	0.2868	2.7219	1.2548	4.2635	0.0285	0.0015	0.0195	0.0495
1642	10.1	10.1	0.2873	2.7218	1.2547	4.2638	0.0204	-0.0091	0.02	0.0312
1643	10.1	10.1	0.2869	2.7217	1.2542	4.2629	-0.0032	-0.016	0.0203	0.0011
1644	9.92	10.1	0.2873	2.7217	1.2538	4.2628	-0.0196	-0.0149	0.0174	-0.017
1645	9.96	10.1	0.2881	2.7223	1.254	4.2643	-0.0115	-0.0074	0.0187	-0.0002
1646	9.8	10.1	0.289	2.7228	1.2543	4.2661	0.0012	-0.0062	0.0175	0.0125
1647	9.87	10.1	0.2896	2.7233	1.2545	4.2674	0.012	-0.015	0.0181	0.0151
1648	9.86	10	0.29	2.7236	1.2542	4.2679	0.0218	-0.0265	0.0173	0.0125
1649	9.9	9.95	0.2904	2.7232	1.2544	4.268	0.0172	-0.0339	0.0144	-0.0023
1650	9.64	9.93	0.2904	2.7229	1.2545	4.2678	0.0171	-0.0381	0.012	-0.0089
1651	9.99	9.91	0.2903	2.7226	1.2543	4.2672	0.0152	-0.0434	0.0102	-0.018
1652	10.2	9.9	0.2899	2.7221	1.2543	4.2663	0.0125	-0.0497	0.0028	-0.0344
1653	10.1	9.91	0.2903	2.7222	1.2546	4.2672	0.0119	-0.048	0.0008	-0.0354
1654	9.97	9.96	0.2906	2.7227	1.2553	4.2686	0.0216	-0.0403	0.0039	-0.0149
1655	9.73	10	0.2896	2.7234	1.2554	4.2685	0.0247	-0.0348	0.0067	-0.0034
1656	9.73	10	0.2888	2.7242	1.2549	4.2679	0.0252	-0.026	0.0088	0.008

1657	9.68	10.1	0.2891	2.7251	1.2544	4.2686	0.0234	-0.0239	0.0049	0.0045
1658	9.55	10.1	0.2891	2.726	1.2543	4.2694	0.0363	-0.0338	0.0011	0.0036
1659	10	10.1	0.2892	2.7264	1.2546	4.2701	0.045	-0.0283	0.0064	0.0232
1660	10.1	10.2	0.29	2.7263	1.2546	4.2709	0.0407	-0.0253	0.0078	0.0232
1661	9.9	10.2	0.2904	2.7259	1.2545	4.2708	0.0389	-0.0202	0.0114	0.0301
1662	10.4	10.3	0.2898	2.7257	1.2547	4.2702	0.0419	-0.0132	0.0118	0.0405
1663	10.8	10.3	0.2896	2.7259	1.2547	4.2702	0.0478	-0.0028	0.008	0.053
1664	10.7	10.3	0.2894	2.726	1.2545	4.2698	0.0547	0.0002	0.0062	0.0611
1665	10.5	10.4	0.2887	2.726	1.2546	4.2692	0.0563	-0.0091	0.0086	0.0558
1666	10.6	10.5	0.2881	2.7262	1.2549	4.2692	0.0444	-0.0175	0.013	0.04
1667	10.6	10.5	0.2881	2.727	1.2547	4.2697	0.0244	-0.0094	0.0169	0.0319
1668	10.5	10.5	0.2892	2.7272	1.2549	4.2713	0.0091	-0.0015	0.0162	0.0238
1669	10.5	10.6	0.2904	2.7277	1.255	4.2731	-0.013	-0.0026	0.0162	0.0007
1670	10.6	10.6	0.2917	2.7277	1.2547	4.2741	-0.0301	0	0.017	-0.0131
1671	10.9	10.7	0.2915	2.7264	1.2548	4.2727	-0.033	-0.0015	0.0152	-0.0194
1672	10.8	10.7	0.2906	2.7259	1.2552	4.2717	-0.0182	0.0073	0.0147	0.0038
1673	10.8	10.6	0.2904	2.7261	1.2554	4.272	-0.0097	0.0176	0.0064	0.0143
1674	11.2	10.6	0.2896	2.7271	1.2557	4.2723	0.0019	0.0166	0.003	0.0216
1675	10.5	10.7	0.2881	2.7269	1.2552	4.2702	0.0162	0.0138	0.0002	0.0301
1676	10.5	10.6	0.2866	2.7266	1.2548	4.268	0.0131	0.0041	0.0024	0.0196
1677	10.3	10.6	0.2861	2.7259	1.2549	4.2669	0.0111	-0.0149	0.0102	0.0064
1678	10.7	10.6	0.2863	2.7255	1.2549	4.2666	0.0081	-0.031	0.0084	-0.0145
1679	10.8	10.6	0.2865	2.725	1.2553	4.2668	0.0029	-0.0321	0.0087	-0.0206
1680	10.5	10.6	0.2873	2.7242	1.2555	4.267	-0.0032	-0.027	0.0093	-0.021
1681	10.6	10.5	0.2876	2.7238	1.2556	4.267	-0.0102	-0.0243	0.0098	-0.0247
1682	10.4	10.5	0.2878	2.7238	1.2556	4.2672	-0.0036	-0.0285	0.0056	-0.0265
1683	10.5	10.5	0.288	2.7237	1.2554	4.2671	0.005	-0.0295	0.0075	-0.017
1684	10.9	10.4	0.2883	2.7238	1.2557	4.2678	0.0049	-0.0279	0.0083	-0.0146
1685	10	10.4	0.2885	2.7234	1.2556	4.2674	-0.0031	-0.0265	0.007	-0.0226
1686	10.3	10.4	0.2886	2.7225	1.2555	4.2666	-0.0113	-0.0288	0.0062	-0.0339
1687	10.5	10.3	0.2881	2.7217	1.2555	4.2653	-0.0188	-0.0267	0.0044	-0.0411
1688	9.98	10.3	0.2877	2.7218	1.255	4.2645	-0.0277	-0.0232	0.0033	-0.0477
1689	10.1	10.3	0.2868	2.7222	1.2545	4.2636	-0.0288	-0.0349	0.0083	-0.0554
1690	10.3	10.2	0.2867	2.7226	1.2544	4.2637	-0.0356	-0.0371	0.0071	-0.0657
1691	10.4	10.2	0.2878	2.7234	1.2545	4.2657	-0.0448	-0.0429	0.002	-0.0858
1692	10.4	10.2	0.2893	2.7243	1.2543	4.268	-0.0323	-0.0493	0.0013	-0.0804
1693	10.4	10.2	0.2906	2.7249	1.2543	4.2698	-0.0309	-0.0532	0.0051	-0.079

1694	10.1	10.2	0.2904	2.7245	1.2545	4.2694	-0.0427	-0.0455	-0.0002	-0.0884
1695	9.73	10.2	0.2897	2.7238	1.2547	4.2682	-0.0403	-0.0348	-0.0052	-0.0803
1696	9.97	10.1	0.2891	2.724	1.2545	4.2677	-0.0272	-0.0227	-0.0077	-0.0576
1697	10	10.1	0.2881	2.7246	1.2545	4.2673	-0.0058	-0.0148	-0.0026	-0.0232
1698	9.75	10.2	0.288	2.7254	1.2549	4.2683	-0.0014	-0.0125	-0.0009	-0.0148
1699	10	10.2	0.2872	2.7261	1.255	4.2683	0.0134	-0.0114	-0.003	-0.0011
1700	10.6	10.1	0.2872	2.727	1.2549	4.2691	0.0297	-0.0164	0.0031	0.0164
1701	10.3	10.1	0.2875	2.7279	1.2552	4.2705	0.0483	-0.0228	0.005	0.0305
1702	10.5	10.1	0.288	2.7276	1.2549	4.2705	0.0654	-0.026	-0.0013	0.0382
1703	9.96	10.1	0.2882	2.7263	1.255	4.2694	0.0554	-0.0282	-0.0032	0.024
1704	9.83	10.2	0.2892	2.7261	1.2552	4.2704	0.0545	-0.0233	-0.0043	0.0269
1705	9.86	10.2	0.2897	2.7249	1.2551	4.2698	0.0535	-0.0114	-0.0013	0.0407
1706	10.2	10.2	0.2902	2.7241	1.2551	4.2693	0.04	-0.0102	0.0063	0.0362
1707	10.6	10.3	0.2895	2.7239	1.2551	4.2685	0.0284	-0.0182	0.0088	0.019
1708	10	10.3	0.289	2.7236	1.2547	4.2673	0.025	-0.0085	-0.0002	0.0163
1709	9.86	10.3	0.2888	2.7238	1.2548	4.2674	0.036	0.0098	-0.0078	0.0379
1710	10.3	10.3	0.2882	2.7239	1.2544	4.2665	0.0426	0.0226	-0.0063	0.0588
1711	10.3	10.3	0.2875	2.7237	1.254	4.2652	0.0488	0.0246	-0.0015	0.0719
1712	10.5	10.3	0.288	2.7233	1.2543	4.2656	0.0615	0.0182	0.0008	0.0806
1713	10.3	10.3	0.2882	2.723	1.2547	4.266	0.0588	0.0236	0.0049	0.0873
1714	10.2	10.3	0.2877	2.7234	1.2548	4.2659	0.0534	0.0292	0.0053	0.0879
1715	10.7	10.3	0.2882	2.7236	1.2545	4.2663	0.0456	0.0286	0.0043	0.0785
1716	10.8	10.3	0.2888	2.7228	1.2544	4.266	0.047	0.0282	0.0046	0.0798
1717	10.5	10.3	0.289	2.7222	1.2546	4.2658	0.0437	0.0303	0.0054	0.0794
1718	10.3	10.3	0.2905	2.7224	1.2547	4.2676	0.0364	0.0368	0.0039	0.0771
1719	9.92	10.3	0.2913	2.723	1.2546	4.2689	0.0404	0.0377	0.0041	0.0822
1720	10.4	10.2	0.2912	2.7233	1.2546	4.2691	0.0519	0.0375	0.0048	0.0941
1721	10.7	10.2	0.2892	2.7231	1.2544	4.2667	0.0661	0.0388	0.0089	0.1138
1722	10.4	10.2	0.2887	2.7227	1.2548	4.2662	0.0596	0.0296	0.011	0.1001
1723	9.8	10.2	0.2867	2.7227	1.2551	4.2645	0.0414	0.025	0.0134	0.0798
1724	9.99	10.1	0.2858	2.7227	1.2553	4.2638	0.0255	0.0209	0.0127	0.0591
1725	10	10.1	0.2862	2.7233	1.2554	4.2649	0.0083	0.0201	0.0166	0.0451
1726	10.5	10.1	0.2866	2.7243	1.2551	4.266	-0.0172	0.0248	0.013	0.0206
1727	9.86	10.1	0.2874	2.726	1.2552	4.2686	-0.0382	0.0291	0.0048	-0.0042
1728	9.65	10.1	0.2886	2.7263	1.2553	4.2702	-0.0454	0.0247	0.0069	-0.0138
1729	9.87	10.1	0.2892	2.7259	1.2555	4.2706	-0.0495	0.0181	0.0095	-0.0219
1730	10.2	10.1	0.2893	2.7256	1.2553	4.2702	-0.0545	0.0152	0.0147	-0.0245

1731	10.2	10.1	0.2886	2.7256	1.2552	4.2694	-0.0478	0.0129	0.0169	-0.018
1732	9.61	10.1	0.2883	2.7255	1.2551	4.2689	-0.0427	0.0134	0.0157	-0.0135
1733	9.61	10.1	0.2884	2.7257	1.2549	4.2691	-0.0335	0.014	0.0134	-0.0061
1734	9.9	10.1	0.2889	2.7257	1.2548	4.2695	-0.0271	0.0068	0.0085	-0.0118
1735	10.2	10.1	0.2894	2.7254	1.2546	4.2694	-0.0114	-0.0096	0.0118	-0.0092
1736	10.3	10.1	0.2899	2.7246	1.2544	4.2689	0.0057	-0.0188	0.0119	-0.0012
1737	10.6	10.1	0.29	2.7245	1.2546	4.269	0.0111	-0.0387	0.0143	-0.0132
1738	10.5	10.1	0.2903	2.7257	1.2543	4.2704	0.0081	-0.0574	0.0213	-0.028
1739	10.6	10.1	0.2907	2.7258	1.2543	4.2708	-0.0017	-0.0563	0.0149	-0.0431
1740	10.2	10.1	0.2909	2.7262	1.2548	4.2719	-0.0171	-0.0501	0.0097	-0.0575
1741	10.5	10.2	0.29	2.7268	1.2547	4.2715	-0.0225	-0.0479	0.0094	-0.061
1742	10.2	10.2	0.2904	2.7271	1.2542	4.2717	-0.0185	-0.0393	0.0083	-0.0495
1743	9.86	10.2	0.2912	2.7263	1.2542	4.2717	-0.0103	-0.0278	0.0021	-0.036
1744	9.92	10.2	0.2913	2.7251	1.2544	4.2708	0.0033	-0.0166	-0.001	-0.0143
1745	9.92	10.2	0.2908	2.7245	1.2547	4.2701	0.0114	-0.0177	0.0001	-0.0061
1746	9.72	10.2	0.2895	2.7243	1.2546	4.2684	0.0145	-0.0294	0.0015	-0.0134
1747	9.74	10.2	0.2898	2.7245	1.2545	4.2689	0.0123	-0.03	0.0015	-0.0161
1748	10.2	10.2	0.2887	2.7248	1.2545	4.268	-0.0041	-0.0236	0.004	-0.0236
1749	10.6	10.1	0.2874	2.7249	1.2541	4.2664	-0.0058	-0.0172	0.004	-0.019
1750	10.7	10.2	0.2856	2.7252	1.254	4.2648	-0.0146	-0.0081	0.0022	-0.0205
1751	10.7	10.2	0.2837	2.7252	1.2544	4.2633	-0.0091	0.0064	0.0001	-0.0026
1752	10.4	10.2	0.2843	2.7249	1.2546	4.2639	-0.0062	0.0149	0.0029	0.0116
1753	9.78	10.2	0.2849	2.7245	1.2551	4.2645	-0.0015	0.0125	0.0003	0.0113
1754	9.83	10.2	0.2853	2.7238	1.2554	4.2645	0.0008	-0.0013	0.0009	0.0004
1755	9.58	10.2	0.2856	2.7245	1.2548	4.2648	0.0111	-0.0031	0.0029	0.0109
1756	10.1	10.2	0.286	2.726	1.254	4.266	0.0174	-0.0155	0.0022	0.0041
1757	10.3	10.2	0.2866	2.7259	1.2544	4.267	0.022	-0.0249	0.0021	-0.0007
1758	10.5	10.2	0.2855	2.725	1.255	4.2656	0.0154	-0.0268	0.0022	-0.0093
1759	10.6	10.2	0.285	2.7241	1.2552	4.2643	0.0098	-0.0304	-0.0022	-0.0228
1760	10.4	10.1	0.2851	2.7239	1.2548	4.2637	0.0082	-0.0285	-0.0014	-0.0217
1761	10.2	10.1	0.2842	2.7241	1.2544	4.2627	0.0008	-0.0279	-0.0052	-0.0324
1762	10.2	10	0.2839	2.7234	1.2542	4.2615	-0.0069	-0.0302	-0.0096	-0.0467
1763	10	10.1	0.2843	2.723	1.2541	4.2614	-0.0011	-0.0354	-0.0063	-0.0428
1764	10.1	10.1	0.2848	2.7231	1.2541	4.262	0.0009	-0.0387	-0.0019	-0.0396
1765	10	10.1	0.284	2.7232	1.2541	4.2612	-0.0044	-0.0346	-0.0016	-0.0407
1766	10.3	10.1	0.2837	2.7232	1.2543	4.2612	0.0013	-0.033	-0.0044	-0.0362
1767	9.89	10	0.2844	2.7233	1.2543	4.262	0.0084	-0.0423	-0.0065	-0.0405

1768	10.1	9.99	0.2852	2.7235	1.2545	4.2631	0.0108	-0.0504	-0.0033	-0.0429
1769	9.88	9.94	0.2852	2.7239	1.2545	4.2637	0.0293	-0.0483	-0.0027	-0.0218
1770	9.73	9.89	0.2851	2.7238	1.2538	4.2627	0.0399	-0.0423	-0.0037	-0.0061
1771	9.26	9.86	0.2855	2.7234	1.2537	4.2626	0.0391	-0.0394	-0.0037	-0.0041
1772	10.2	9.83	0.2865	2.7234	1.2538	4.2637	0.0143	-0.0424	-0.0059	-0.0339
1773	9.99	9.83	0.2879	2.7241	1.2542	4.2661	0.0078	-0.047	-0.0018	-0.041
1774	10	9.82	0.2888	2.725	1.254	4.2678	-0.0184	-0.0481	0.0024	-0.064
1775	9.99	9.81	0.2899	2.7244	1.2539	4.2682	-0.0302	-0.0486	0.0053	-0.0736
1776	9.51	9.77	0.2904	2.7237	1.2543	4.2685	-0.0251	-0.0419	0.0064	-0.0606
1777	9.51	9.76	0.2907	2.7234	1.2542	4.2683	-0.0204	-0.0286	0.0029	-0.0461
1778	9.47	9.75	0.2912	2.7237	1.2539	4.2688	-0.0097	-0.0053	0.0041	-0.0109
1779	9.57	9.76	0.2919	2.7235	1.2538	4.2692	0.0065	-0.0012	0.0057	0.0111
1780	9.65	9.75	0.2921	2.7229	1.2538	4.2688	0.0151	-0.0067	0.0084	0.0168
1781	9.65	9.75	0.2919	2.7225	1.254	4.2684	0.0171	-0.0114	0.0051	0.0108
1782	9.87	9.71	0.2911	2.7224	1.2543	4.2678	0.0079	-0.0122	0.005	0.0006
1783	10	9.7	0.2907	2.723	1.2546	4.2683	0.0022	-0.0132	0.0037	-0.0074
1784	9.81	9.71	0.2895	2.7247	1.2545	4.2687	0.0046	-0.0102	0.0007	-0.0049
1785	9.52	9.74	0.2879	2.7252	1.2544	4.2675	0.0122	-0.0102	-0.0009	0.0011
1786	9.63	9.78	0.2875	2.7263	1.2541	4.2679	0.0199	-0.0153	-0.0046	0.0001
1787	10	9.82	0.2873	2.7274	1.2534	4.2681	0.0285	-0.0283	-0.0074	-0.0071
1788	9.91	9.87	0.2878	2.7275	1.2535	4.2688	0.0305	-0.0309	-0.0055	-0.0058
1789	9.56	9.89	0.2885	2.7272	1.2536	4.2693	0.0361	-0.0114	-0.009	0.0158
1790	9.27	9.94	0.2889	2.7274	1.2535	4.2698	0.0422	-0.0097	-0.0098	0.0227
1791	9.56	9.95	0.2896	2.7273	1.2537	4.2706	0.0466	-0.0034	-0.0018	0.0414
1792	9.82	9.96	0.2903	2.7271	1.2541	4.2716	0.0325	0.0071	-0.0038	0.0358
1793	10.2	10	0.2903	2.7265	1.2544	4.2712	0.0397	0.0124	-0.0121	0.04
1794	10.5	10	0.2893	2.7263	1.2545	4.2701	0.0547	-0.002	-0.0123	0.0404
1795	10.4	10.1	0.2882	2.7268	1.2546	4.2696	0.0576	-0.0223	-0.0098	0.0254
1796	10.2	10.2	0.2879	2.727	1.2544	4.2693	0.0488	-0.0338	-0.003	0.012
1797	10.3	10.3	0.2885	2.727	1.2541	4.2697	0.0267	-0.0393	-0.0063	-0.0189
1798	10	10.2	0.2886	2.7271	1.2545	4.2702	0.0319	-0.0351	-0.0067	-0.0099
1799	10.6	10.2	0.2887	2.7269	1.2548	4.2704	0.0113	-0.0316	-0.0068	-0.0272
1800	9.96	9.96	0.2881	2.7264	1.2549	4.2694	-0.0135	-0.0301	-0.0152	-0.0589