

Test Name	CDR, MW, rep 1
Cladding	Cedar Wood
Cladding Thickness [mm]	12
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 a Cedar Wood 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	There were no noticeable observations for this test.
Peak HRR [kW]	115
Time to Peak HRR [mins]	5.38
Residual HRR [kW]	1.67
Total HR [MJ]	33.5
Peak dQ/dt [kW/s]	0.956
Time to Peak dQ/dt [s]	4.2

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	0.321	0.321	2.9725	2.8064	-0.0002	5.7787	0.7172	0.0697	0.0169	0.8039
1	0.305	0.345	2.9733	2.806	0.0002	5.7795	0.7343	0.0699	0.0169	0.821
2	0.409	0.424	2.9713	2.8063	-0.0002	5.7774	0.7624	0.0679	0.0177	0.848
3	0.529	0.486	2.9696	2.8062	-0.0003	5.7755	0.7741	0.0708	0.0166	0.8615
4	0.558	0.626	2.9688	2.8063	-0.0002	5.7749	0.7775	0.071	0.0175	0.866
5	0.626	1.07	2.9684	2.8061	-0.0001	5.7745	0.7753	0.0707	0.0162	0.8622
6	0.655	1.63	2.9685	2.8061	-0.0001	5.7745	0.7735	0.0711	0.0151	0.8597
7	0.87	2.28	2.9684	2.8058	-0.0002	5.7741	0.7722	0.0711	0.0148	0.8581
8	1.36	2.89	2.9678	2.8059	-0.0004	5.7733	0.7645	0.0703	0.016	0.8508
9	2.52	3.47	2.9668	2.8058	-0.0004	5.7722	0.7489	0.0755	0.0144	0.8388
10	3.62	3.92	2.9665	2.8059	-0.0005	5.7718	0.75	0.0682	0.0141	0.8323
11	4.48	4.38	2.966	2.8055	-0.0005	5.771	0.7498	0.0704	0.0136	0.8338
12	4.98	4.88	2.9655	2.8054	-0.0006	5.7703	0.7537	0.0706	0.012	0.8364
13	5.88	5.37	2.9649	2.8053	-0.0005	5.7696	0.7569	0.0695	0.0118	0.8382
14	7.04	5.87	2.9641	2.8052	-0.0007	5.7686	0.7763	0.0663	0.0116	0.8542
15	7.4	6.39	2.9636	2.805	-0.0007	5.7679	0.7993	0.0611	0.0106	0.871
16	7.66	6.94	2.9629	2.8047	-0.0007	5.7669	0.8083	0.0578	0.0088	0.8749
17	8.35	7.47	2.9621	2.8048	-0.0006	5.7663	0.8209	0.0575	0.0081	0.8865
18	8.34	8	2.9599	2.8048	-0.0007	5.764	0.8071	0.0583	0.0068	0.8722
19	8.81	8.47	2.9576	2.8047	-0.0007	5.7616	0.7857	0.0631	0.0065	0.8552
20	9.1	8.93	2.9563	2.8046	-0.0007	5.7602	0.7769	0.0596	0.0079	0.8444
21	9.95	9.36	2.9541	2.8043	-0.0008	5.7577	0.7736	0.0571	0.0089	0.8396
22	9.82	9.76	2.9525	2.8044	-0.0007	5.7562	0.7951	0.0536	0.0076	0.8563
23	9.99	10.1	2.9507	2.8043	-0.0006	5.7544	0.8339	0.0513	0.0079	0.8931
24	10.6	10.4	2.9494	2.8042	-0.0007	5.753	0.8752	0.0497	0.0087	0.9337
25	11.1	10.7	2.9477	2.8044	-0.0007	5.7514	0.9018	0.0477	0.0086	0.9581
26	10.8	11.1	2.9463	2.8043	-0.0008	5.7499	0.9364	0.0474	0.0093	0.9931
27	11.5	11.3	2.9448	2.8043	-0.0007	5.7484	0.9555	0.0478	0.0087	1.0121
28	11.5	11.6	2.9446	2.8042	-0.0007	5.7481	0.964	0.0461	0.0093	1.0194

29	12.3	11.9	2.9448	2.8044	-0.0008	5.7484	0.9738	0.043	0.0094	1.0262
30	12.6	12.2	2.9446	2.804	-0.0008	5.7478	0.9809	0.046	0.0093	1.0362
31	12.6	12.4	2.9447	2.8039	-0.0008	5.7479	0.9579	0.0449	0.0081	1.0109
32	12.3	12.6	2.9455	2.8038	-0.0007	5.7486	0.9195	0.0515	0.0091	0.9801
33	12.7	12.8	2.9452	2.8037	-0.0007	5.7482	0.8791	0.0535	0.009	0.9416
34	13.7	13	2.9451	2.8037	-0.0008	5.748	0.8483	0.0578	0.0093	0.9154
35	14.2	13.3	2.9446	2.8036	-0.0009	5.7473	0.8343	0.0604	0.0105	0.9052
36	13.6	13.5	2.9441	2.8034	-0.001	5.7466	0.8306	0.0593	0.0117	0.9015
37	13.3	13.7	2.9444	2.8035	-0.0009	5.7469	0.8302	0.0627	0.0136	0.9066
38	14.2	14	2.9429	2.8034	-0.001	5.7453	0.8253	0.0625	0.0151	0.9029
39	14.4	14.1	2.942	2.8029	-0.001	5.7439	0.8165	0.0616	0.0161	0.8942
40	14	14.3	2.9414	2.8025	-0.0011	5.7428	0.803	0.0664	0.0161	0.8855
41	14.5	14.5	2.9408	2.8026	-0.0012	5.7422	0.792	0.0667	0.016	0.8746
42	14.1	14.7	2.9403	2.8022	-0.0011	5.7413	0.7958	0.0654	0.0168	0.878
43	14.6	14.9	2.9393	2.8019	-0.0011	5.74	0.7939	0.0664	0.0163	0.8766
44	15.5	15	2.9383	2.8019	-0.001	5.7392	0.795	0.0666	0.0154	0.877
45	15.4	15.1	2.938	2.8019	-0.0009	5.739	0.818	0.0666	0.0152	0.8999
46	15.2	15.3	2.9375	2.8018	-0.0007	5.7386	0.8474	0.0654	0.0151	0.9279
47	16	15.5	2.9378	2.8024	-0.0007	5.7396	0.8694	0.0611	0.0149	0.9453
48	15.9	15.6	2.938	2.8024	-0.0007	5.7397	0.8857	0.0565	0.0156	0.9577
49	15.9	15.8	2.9382	2.8028	-0.0008	5.7402	0.904	0.0544	0.0147	0.9731
50	16.1	16	2.9366	2.8027	-0.0008	5.7385	0.9196	0.0527	0.0144	0.9867
51	15.9	16.1	2.9344	2.8027	-0.0009	5.7363	0.9271	0.052	0.01	0.9891
52	16	16.4	2.933	2.8025	-0.0008	5.7347	0.9575	0.0484	0.0136	1.0195
53	16.4	16.6	2.9321	2.8024	-0.0009	5.7336	0.9508	0.0521	0.0098	1.0126
54	16.5	16.7	2.9314	2.8024	-0.0008	5.733	0.9519	0.0512	0.0093	1.0124
55	16.2	16.9	2.9308	2.8023	-0.0008	5.7323	0.9607	0.0526	0.0099	1.0232
56	16.8	17.1	2.9301	2.8022	-0.0008	5.7315	0.9723	0.0534	0.0086	1.0343
57	17.1	17.3	2.9297	2.8022	-0.0009	5.7311	0.9931	0.0537	0.0088	1.0555
58	18	17.5	2.9299	2.8018	-0.0008	5.7309	1.0214	0.0492	0.0074	1.0779
59	17.1	17.6	2.9291	2.8022	-0.0008	5.7305	1.0307	0.0487	0.0053	1.0847
60	17.6	17.7	2.9283	2.802	-0.0008	5.7295	1.0448	0.047	0.005	1.0968
61	18.7	17.9	2.9273	2.8019	-0.0007	5.7285	1.0747	0.0482	0.004	1.1269
62	18.2	18.1	2.9264	2.8019	-0.0007	5.7276	1.1077	0.0471	0.0038	1.1586
63	18.1	18.3	2.9244	2.802	-0.0007	5.7257	1.1304	0.0484	0.0037	1.1825
64	19	18.4	2.9221	2.8023	-0.0006	5.7238	1.1532	0.0507	0.005	1.2089
65	18.7	18.6	2.9207	2.8025	-0.0005	5.7227	1.1759	0.0511	0.0045	1.2314

66	19.8	18.8	2.9191	2.8024	-0.0005	5.721	1.1987	0.0508	0.0046	1.2542
67	19.6	18.9	2.9192	2.8023	-0.0004	5.7211	1.2177	0.0508	0.005	1.2735
68	18.6	19	2.9199	2.8019	-0.0004	5.7214	1.2312	0.0518	0.0058	1.2888
69	18.8	19.2	2.9197	2.8021	-0.0005	5.7213	1.2227	0.0548	0.0051	1.2826
70	19.4	19.2	2.9191	2.8022	-0.0006	5.7208	1.2132	0.058	0.006	1.2772
71	19.3	19.3	2.9168	2.8024	-0.0005	5.7187	1.2235	0.0593	0.0058	1.2886
72	19.5	19.3	2.9132	2.8025	-0.0005	5.7152	1.2126	0.0616	0.0053	1.2795
73	20.1	19.3	2.9093	2.8026	-0.0006	5.7113	1.2171	0.0641	0.0067	1.288
74	19.4	19.2	2.9064	2.8027	-0.0006	5.7085	1.2283	0.0682	0.0084	1.3049
75	19.8	19.2	2.9029	2.8027	-0.0007	5.7049	1.2398	0.0658	0.009	1.3146
76	20.3	19	2.9005	2.8026	-0.0006	5.7025	1.2443	0.071	0.0096	1.3249
77	19.5	18.8	2.8989	2.8027	-0.0007	5.7009	1.2512	0.0741	0.0099	1.3352
78	19.8	18.7	2.8971	2.8029	-0.0007	5.6993	1.2664	0.0725	0.0117	1.3506
79	18.6	18.6	2.8956	2.8026	-0.0007	5.6975	1.2894	0.071	0.012	1.3724
80	19.8	18.4	2.8965	2.8026	-0.0006	5.6985	1.3173	0.0795	0.01	1.4068
81	18.5	18.2	2.8987	2.8021	-0.0007	5.7	1.3395	0.0784	0.0119	1.4298
82	18.1	18	2.9011	2.8018	-0.0007	5.7022	1.3595	0.0816	0.0113	1.4524
83	17.8	17.7	2.9028	2.8014	-0.0007	5.7035	1.3851	0.0801	0.0116	1.4768
84	17.7	17.5	2.9032	2.8011	-0.0008	5.7035	1.4062	0.079	0.0119	1.4971
85	16.5	17.2	2.9026	2.8012	-0.001	5.7029	1.4298	0.0805	0.0138	1.5241
86	16.2	16.9	2.9018	2.8008	-0.0011	5.7015	1.4497	0.0779	0.0154	1.543
87	16.4	16.6	2.9014	2.8008	-0.0013	5.7009	1.4745	0.0775	0.0151	1.5671
88	16.1	16.3	2.9014	2.8008	-0.0014	5.7008	1.5156	0.0765	0.0151	1.6072
89	16.2	16	2.9018	2.8003	-0.0014	5.7007	1.5274	0.0821	0.0141	1.6236
90	15.9	15.7	2.902	2.8002	-0.0014	5.7008	1.5406	0.0808	0.014	1.6353
91	15.3	15.5	2.9009	2.8003	-0.0015	5.6996	1.5637	0.0874	0.0119	1.663
92	15	15.3	2.9002	2.8001	-0.0015	5.6989	1.5808	0.089	0.0113	1.6811
93	14.5	15.1	2.8993	2.8	-0.0014	5.698	1.6062	0.0854	0.012	1.7036
94	14.2	14.9	2.8964	2.8	-0.0014	5.6949	1.625	0.0845	0.0112	1.7208
95	14.2	14.8	2.8927	2.8	-0.0014	5.6913	1.6393	0.0866	0.0111	1.737
96	14.4	14.8	2.8897	2.8004	-0.0014	5.6887	1.6636	0.0883	0.0132	1.7651
97	14.3	14.7	2.8873	2.8007	-0.0015	5.6865	1.6879	0.0866	0.0162	1.7908
98	13.6	14.7	2.8846	2.8009	-0.0014	5.6841	1.7207	0.0874	0.017	1.8252
99	14.2	14.8	2.8821	2.801	-0.0014	5.6817	1.7514	0.0914	0.0161	1.8589
100	13.9	14.8	2.8798	2.8012	-0.0012	5.6798	1.8049	0.0969	0.014	1.9158
101	14.2	14.9	2.8776	2.8012	-0.0012	5.6776	1.8028	0.0954	0.0136	1.9118
102	13.7	15.1	2.8762	2.8011	-0.0012	5.6762	1.8169	0.0985	0.0113	1.9266

103	14.4	15.2	2.8744	2.801	-0.0012	5.6743	1.8408	0.1003	0.0114	1.9524
104	15.1	15.4	2.8727	2.801	-0.0011	5.6726	1.8702	0.0994	0.0096	1.9793
105	15.1	15.7	2.8712	2.8008	-0.001	5.6711	1.8972	0.0974	0.009	2.0036
106	15.3	15.9	2.8692	2.8007	-0.001	5.6689	1.9248	0.0962	0.0096	2.0306
107	16.3	16.3	2.8663	2.8009	-0.0009	5.6663	1.9618	0.0977	0.0107	2.0701
108	16.7	16.7	2.8647	2.801	-0.0009	5.6648	1.9945	0.0956	0.0102	2.1003
109	16.6	17	2.8623	2.8011	-0.0009	5.6625	2.0302	0.0957	0.0109	2.1368
110	17.8	17.5	2.859	2.801	-0.0009	5.6591	2.0673	0.1019	0.012	2.1812
111	17.2	18	2.8552	2.8008	-0.0009	5.6551	2.1002	0.0941	0.0112	2.2054
112	18.2	18.5	2.8525	2.8006	-0.0009	5.6521	2.135	0.0954	0.0122	2.2427
113	18.1	19	2.8496	2.8002	-0.001	5.6487	2.1586	0.0964	0.0136	2.2686
114	18.5	19.4	2.8465	2.8	-0.0011	5.6455	2.1906	0.098	0.015	2.3035
115	19.5	19.9	2.8437	2.7999	-0.0012	5.6425	2.2344	0.1055	0.0155	2.3554
116	20.6	20.5	2.8411	2.7996	-0.0012	5.6395	2.2921	0.112	0.0166	2.4207
117	21.6	21	2.839	2.7996	-0.0012	5.6374	2.3294	0.1105	0.017	2.4569
118	20.2	21.5	2.8377	2.7993	-0.0012	5.6358	2.3907	0.1058	0.0186	2.5151
119	22.6	22	2.8363	2.7989	-0.0013	5.6339	2.4537	0.1039	0.0199	2.5774
120	23.5	22.6	2.834	2.7986	-0.0013	5.6313	2.511	0.1099	0.019	2.6399
121	24.5	23.1	2.8329	2.7982	-0.0013	5.6297	2.5575	0.1123	0.0192	2.689
122	23.3	23.6	2.8307	2.798	-0.0013	5.6274	2.606	0.1158	0.021	2.7428
123	23.6	24.2	2.8279	2.7974	-0.0014	5.6239	2.6016	0.122	0.0209	2.7445
124	24.3	24.8	2.8254	2.7976	-0.0016	5.6215	2.6131	0.1287	0.021	2.7628
125	25.3	25.3	2.8232	2.7973	-0.0017	5.6189	2.635	0.1324	0.0219	2.7892
126	26.1	25.8	2.8212	2.7969	-0.0018	5.6163	2.6376	0.1343	0.0213	2.7932
127	27.1	26.3	2.8182	2.7971	-0.0019	5.6134	2.6669	0.1358	0.0219	2.8247
128	26	26.8	2.8157	2.7971	-0.0019	5.6109	2.7	0.1399	0.0229	2.8628
129	28.4	27.2	2.8131	2.7965	-0.0018	5.6077	2.7348	0.1469	0.0246	2.9064
130	27.2	27.6	2.8106	2.7962	-0.002	5.6048	2.7716	0.145	0.0259	2.9425
131	27.8	27.9	2.8088	2.7958	-0.0019	5.6027	2.8577	0.1525	0.0269	3.0371
132	29.3	28.4	2.807	2.7958	-0.0019	5.6009	2.9525	0.1503	0.0278	3.1305
133	29.8	28.9	2.8046	2.7958	-0.0019	5.5985	3.0433	0.1462	0.026	3.2156
134	30.4	29.5	2.8021	2.7956	-0.0021	5.5956	3.1247	0.148	0.0253	3.298
135	29.5	30	2.7996	2.7958	-0.0024	5.593	3.1985	0.1511	0.0231	3.3727
136	30.1	30.3	2.7967	2.7957	-0.0025	5.5899	3.2493	0.1534	0.0219	3.4247
137	31.1	30.7	2.7928	2.7958	-0.0024	5.5862	3.3143	0.151	0.0206	3.4858
138	29.2	31.3	2.7902	2.7952	-0.0024	5.5829	3.3665	0.1519	0.0185	3.5369
139	30.8	31.8	2.7879	2.7948	-0.0024	5.5803	3.4239	0.153	0.0171	3.594

140	31	32.3	2.785	2.7938	-0.0023	5.5765	3.4836	0.1471	0.0161	3.6467
141	32.6	32.8	2.7827	2.7937	-0.0023	5.5741	3.5405	0.1492	0.0118	3.7015
142	33.8	33.4	2.7797	2.7936	-0.0023	5.571	3.6004	0.1545	0.0069	3.7617
143	34.5	33.8	2.7768	2.7934	-0.0022	5.5679	3.6297	0.1605	0.0061	3.7962
144	34.4	34.2	2.7743	2.7933	-0.0021	5.5655	3.6714	0.1639	0.0063	3.8417
145	33.3	34.6	2.7717	2.793	-0.0022	5.5625	3.7007	0.1622	0.0082	3.8711
146	34.9	35.1	2.7687	2.7931	-0.0024	5.5595	3.7275	0.1681	0.011	3.9066
147	36.8	35.4	2.7658	2.7937	-0.0024	5.557	3.7712	0.1746	0.0108	3.9566
148	37.3	36	2.7629	2.7933	-0.0023	5.5538	3.8022	0.182	0.0099	3.9941
149	37.6	36.5	2.7577	2.7931	-0.0022	5.5486	3.8298	0.1802	0.0086	4.0186
150	36.7	37	2.7563	2.7932	-0.0022	5.5473	3.8969	0.1818	0.0107	4.0894
151	39.9	37.5	2.7527	2.7929	-0.002	5.5436	3.9431	0.1821	0.0149	4.1401
152	38.2	38.1	2.749	2.7925	-0.002	5.5395	4.0054	0.1853	0.0159	4.2065
153	37.8	38.5	2.7451	2.7925	-0.0019	5.5357	4.0671	0.1881	0.0136	4.2688
154	37.9	39	2.7417	2.7926	-0.0018	5.5326	4.1295	0.1862	0.0111	4.3268
155	38.2	39.7	2.7383	2.7927	-0.0018	5.5292	4.1964	0.1843	0.0096	4.3903
156	38.3	40.3	2.7339	2.7925	-0.0019	5.5245	4.2759	0.179	0.0114	4.4662
157	40.3	40.8	2.7303	2.7926	-0.0019	5.521	4.3393	0.1782	0.0112	4.5287
158	40.4	41.4	2.7269	2.7923	-0.0019	5.5172	4.3947	0.1822	0.0133	4.5902
159	40.4	42.2	2.7223	2.792	-0.002	5.5123	4.4666	0.1848	0.0148	4.6662
160	42.5	42.9	2.7183	2.7926	-0.0019	5.509	4.5194	0.1896	0.015	4.724
161	43.7	43.5	2.7138	2.7924	-0.0019	5.5043	4.5584	0.1894	0.015	4.7628
162	42.9	44.3	2.7105	2.7923	-0.0021	5.5007	4.6197	0.1882	0.0178	4.8257
163	44.9	45.3	2.7053	2.7922	-0.0022	5.4954	4.6648	0.189	0.0146	4.8684
164	45.8	46.3	2.6987	2.7918	-0.0022	5.4882	4.7111	0.1837	0.0092	4.9041
165	46.1	47.3	2.6915	2.7913	-0.0022	5.4806	4.7476	0.1835	0.008	4.9391
166	45.8	48.5	2.6861	2.7914	-0.0022	5.4753	4.797	0.1819	0.0064	4.9852
167	50.1	49.5	2.6801	2.7917	-0.0023	5.4696	4.8484	0.1792	0.005	5.0326
168	51.4	50.6	2.6745	2.7915	-0.0024	5.4636	4.8951	0.1819	0.0036	5.0806
169	50.1	51.8	2.6686	2.7911	-0.0024	5.4573	4.978	0.1747	0.0046	5.1572
170	51.9	53.1	2.6634	2.791	-0.0025	5.4519	5.0508	0.1671	0.004	5.2219
171	53.6	54.4	2.6562	2.7908	-0.0026	5.4445	5.1316	0.1662	0.004	5.3018
172	55.9	55.6	2.653	2.7903	-0.0026	5.4407	5.1948	0.1597	0.004	5.3586
173	57.5	56.7	2.648	2.7897	-0.0027	5.435	5.2677	0.1592	0.0039	5.4308
174	57.8	57.7	2.6429	2.7895	-0.0028	5.4296	5.3265	0.155	0.0039	5.4854
175	60	58.9	2.6391	2.7892	-0.0028	5.4256	5.4006	0.1563	0.0022	5.5592
176	60.1	60.3	2.6338	2.789	-0.0028	5.42	5.4655	0.1559	-0.0016	5.6198

177	61.1	61.2	2.6289	2.7887	-0.003	5.4146	5.5165	0.1574	-0.0031	5.6707
178	63.9	61.9	2.6237	2.7882	-0.0032	5.4087	5.5604	0.1584	-0.0038	5.7149
179	67.2	62.8	2.6184	2.7881	-0.0033	5.4033	5.6033	0.158	-0.0048	5.7565
180	67.1	63.6	2.6107	2.7874	-0.0033	5.3948	5.6635	0.1537	-0.0032	5.8141
181	66.8	64.4	2.6034	2.787	-0.0035	5.387	5.7501	0.1506	-0.0068	5.8938
182	64.3	65.2	2.5968	2.7872	-0.0033	5.3807	5.8466	0.1447	-0.0051	5.9863
183	66	66	2.5903	2.7866	-0.0033	5.3737	5.9405	0.1442	-0.0058	6.0789
184	69.2	67	2.5833	2.786	-0.0032	5.3662	6.0027	0.1473	-0.0051	6.1449
185	71.8	67.8	2.5777	2.7858	-0.0032	5.3604	6.0681	0.1494	-0.0049	6.2126
186	67.1	68.5	2.5704	2.7857	-0.0032	5.3529	6.1321	0.157	-0.0047	6.2844
187	65.5	69.3	2.5648	2.7856	-0.0031	5.3473	6.1807	0.1632	-0.0032	6.3406
188	67.3	70	2.559	2.7855	-0.0031	5.3414	6.2182	0.1701	-0.0005	6.3877
189	66.6	70.4	2.5534	2.7856	-0.003	5.336	6.2724	0.1688	0	6.4412
190	67.6	71	2.548	2.7853	-0.0026	5.3307	6.3342	0.1704	0.0035	6.5082
191	72	71.7	2.5408	2.7848	-0.0022	5.3234	6.3805	0.1657	0.0069	6.5531
192	73.1	72.5	2.5373	2.7841	-0.0021	5.3192	6.4406	0.1727	0.0061	6.6194
193	76.7	73.5	2.5322	2.7836	-0.002	5.3138	6.4841	0.1677	0.007	6.6588
194	74.1	74.3	2.5263	2.7837	-0.0022	5.3078	6.5312	0.1701	0.008	6.7093
195	73.1	74.8	2.52	2.7832	-0.0025	5.3007	6.5799	0.1761	0.0103	6.7663
196	77.7	75.6	2.5126	2.7829	-0.0025	5.293	6.6234	0.1818	0.0102	6.8155
197	77.1	76.5	2.507	2.7826	-0.0025	5.2871	6.6469	0.188	0.0083	6.8432
198	73.9	77.5	2.5016	2.7829	-0.0023	5.2822	6.6813	0.2002	0.0082	6.8897
199	79.4	78.4	2.4924	2.7828	-0.0025	5.2728	6.7236	0.202	0.0092	6.9347
200	79.8	79.4	2.4855	2.783	-0.0027	5.2658	6.7507	0.2037	0.0083	6.9627
201	79.3	80.3	2.477	2.7827	-0.0028	5.2569	6.8167	0.2086	0.0073	7.0326
202	85	81.1	2.4695	2.7823	-0.0026	5.2493	6.8708	0.2	0.01	7.0808
203	84.2	81.7	2.4615	2.7824	-0.0023	5.2416	6.9061	0.196	0.0103	7.1124
204	81.6	82.9	2.4531	2.7826	-0.0021	5.2336	6.959	0.1955	0.0114	7.1659
205	82.5	84.2	2.4436	2.7829	-0.0021	5.2244	6.9917	0.1958	0.0125	7.1999
206	83.2	85.2	2.4353	2.7829	-0.0021	5.2161	7.0187	0.1988	0.0121	7.2296
207	85.2	86.4	2.4268	2.7827	-0.0022	5.2073	7.0474	0.1985	0.0099	7.2557
208	84.1	87.8	2.4181	2.7825	-0.0024	5.1982	7.0778	0.1995	0.0101	7.2873
209	87.2	88.8	2.4104	2.7821	-0.0024	5.1901	7.1007	0.1976	0.0097	7.308
210	89.4	89.9	2.4032	2.7821	-0.0024	5.1829	7.1246	0.1936	0.0087	7.3269
211	87.9	91	2.3933	2.782	-0.0027	5.1725	7.1333	0.2004	0.01	7.3437
212	88.6	91.8	2.386	2.7817	-0.0024	5.1652	7.1443	0.2013	0.0116	7.3572
213	96.1	93	2.3785	2.7818	-0.002	5.1583	7.1797	0.2036	0.0104	7.3938

214	97.5	94.2	2.3717	2.7817	-0.0019	5.1515	7.1906	0.2058	0.0103	7.4067
215	97.3	95.3	2.364	2.7817	-0.0018	5.144	7.1932	0.2091	0.0122	7.4145
216	98.9	96.4	2.3563	2.7817	-0.0017	5.1363	7.1807	0.2057	0.0133	7.3997
217	101	97.5	2.3495	2.7814	-0.0016	5.1293	7.1962	0.2072	0.0153	7.4187
218	97.5	98.6	2.3399	2.7819	-0.0017	5.1201	7.1943	0.2156	0.0178	7.4277
219	100	99.4	2.3312	2.7822	-0.0017	5.1117	7.1897	0.2149	0.0175	7.4222
220	101	100	2.3208	2.782	-0.0017	5.1011	7.19	0.2091	0.017	7.4161
221	99.5	101	2.3134	2.7822	-0.0017	5.0939	7.2073	0.2079	0.0151	7.4304
222	107	102	2.304	2.7821	-0.0017	5.0843	7.2116	0.2101	0.0131	7.4347
223	105	102	2.2952	2.7819	-0.0018	5.0753	7.2519	0.2084	0.0128	7.4731
224	103	103	2.2854	2.782	-0.0018	5.0656	7.2682	0.209	0.0159	7.4931
225	104	104	2.2767	2.7817	-0.0015	5.0569	7.2914	0.2049	0.0141	7.5105
226	106	104	2.2695	2.7812	-0.0015	5.0493	7.3267	0.2078	0.0134	7.5479
227	106	105	2.2622	2.7812	-0.0015	5.0419	7.3537	0.2057	0.0122	7.5716
228	103	105	2.2553	2.7813	-0.0014	5.0352	7.3542	0.2082	0.0118	7.5742
229	103	106	2.2467	2.7811	-0.0015	5.0263	7.3597	0.2107	0.011	7.5814
230	104	106	2.2356	2.7811	-0.0013	5.0154	7.3686	0.211	0.0094	7.589
231	108	107	2.2241	2.7813	-0.0014	5.0041	7.3607	0.2145	0.0049	7.58
232	105	107	2.2129	2.7814	-0.0013	4.993	7.3624	0.2115	-0.0042	7.5697
233	108	107	2.2043	2.7811	-0.0014	4.984	7.375	0.2142	-0.007	7.5822
234	111	107	2.1953	2.7807	-0.0017	4.9743	7.3743	0.2123	-0.0068	7.5799
235	110	108	2.1864	2.7801	-0.0019	4.9645	7.3758	0.205	-0.007	7.5738
236	111	108	2.1786	2.7793	-0.0022	4.9558	7.3943	0.1926	-0.0082	7.5787
237	106	108	2.171	2.7788	-0.0024	4.9474	7.391	0.1879	-0.006	7.5729
238	110	108	2.1629	2.7783	-0.0024	4.9388	7.4156	0.1874	-0.0017	7.6014
239	107	109	2.1545	2.7778	-0.0028	4.9295	7.4435	0.1855	-0.0025	7.6265
240	113	109	2.147	2.7772	-0.003	4.9212	7.4576	0.1841	-0.0027	7.639
241	111	109	2.1387	2.7764	-0.0029	4.9122	7.4623	0.1792	0.0004	7.6419
242	108	109	2.1313	2.7768	-0.003	4.9051	7.4571	0.1741	0.0034	7.6347
243	111	109	2.1237	2.7764	-0.003	4.897	7.4956	0.1657	0.005	7.6664
244	112	108	2.1164	2.7756	-0.0031	4.8889	7.5245	0.164	0.0057	7.6941
245	113	108	2.1093	2.7749	-0.0032	4.8809	7.5416	0.1653	0.0038	7.7107
246	106	107	2.1041	2.7743	-0.0032	4.8752	7.5674	0.1647	0.002	7.7341
247	105	107	2.0976	2.7737	-0.0032	4.8681	7.561	0.1594	0.002	7.7224
248	104	107	2.0905	2.7731	-0.0032	4.8603	7.5863	0.1532	0.0016	7.7411
249	107	106	2.0827	2.7727	-0.003	4.8524	7.6082	0.1561	0.004	7.7682
250	109	106	2.0747	2.7723	-0.0029	4.8441	7.5926	0.1572	0.0014	7.7512

251	105	105	2.0657	2.7729	-0.003	4.8356	7.6053	0.1605	-0.0015	7.7643
252	105	105	2.0584	2.7729	-0.003	4.8283	7.6046	0.1563	-0.0029	7.758
253	105	104	2.0492	2.7729	-0.003	4.8191	7.6397	0.1489	0.0026	7.7913
254	104	103	2.0425	2.7731	-0.003	4.8126	7.6536	0.1484	0.0068	7.8087
255	98.5	103	2.0364	2.7728	-0.003	4.8062	7.6663	0.1492	0.008	7.8235
256	100	102	2.0291	2.7726	-0.0029	4.7989	7.6723	0.1519	0.0089	7.8331
257	105	102	2.0225	2.7727	-0.0029	4.7923	7.682	0.1517	0.0082	7.8419
258	102	102	2.0168	2.7725	-0.0029	4.7864	7.6824	0.1526	0.0066	7.8416
259	98.5	102	2.0099	2.7726	-0.0029	4.7797	7.6936	0.1534	0.0036	7.8506
260	98.3	101	2.005	2.7725	-0.0029	4.7746	7.7143	0.154	0.004	7.8723
261	99.8	101	1.9994	2.7722	-0.0031	4.7686	7.7251	0.1544	0.0021	7.8816
262	96	100	1.9926	2.7719	-0.0031	4.7614	7.7073	0.154	-0.0032	7.858
263	98.7	100	1.9863	2.7717	-0.0032	4.7547	7.721	0.1492	-0.001	7.8692
264	101	99.7	1.9794	2.7709	-0.0034	4.7468	7.7571	0.1531	0.0051	7.9153
265	99.2	99.6	1.9734	2.7707	-0.0035	4.7406	7.7517	0.157	0.007	7.9157
266	101	99.4	1.9665	2.7707	-0.0037	4.7334	7.7397	0.1629	0.0052	7.9078
267	102	98.7	1.9607	2.7702	-0.0041	4.7268	7.7341	0.1682	0.008	7.9103
268	101	98.2	1.9555	2.77	-0.0041	4.7214	7.7386	0.172	0.0097	7.9203
269	97.6	97.9	1.9496	2.7702	-0.0041	4.7157	7.7242	0.1721	0.0099	7.9062
270	98.3	97.9	1.9427	2.7702	-0.004	4.7088	7.7238	0.1769	0.0089	7.9096
271	100	97.7	1.9351	2.7698	-0.0039	4.701	7.6873	0.1813	0.0086	7.8773
272	98.4	97.5	1.9278	2.7695	-0.0039	4.6934	7.6962	0.1859	0.0083	7.8904
273	98.4	97.4	1.9212	2.7688	-0.0043	4.6857	7.6707	0.1822	0.0062	7.8592
274	96.4	97	1.9138	2.769	-0.0042	4.6786	7.6462	0.1785	0.0074	7.8321
275	96.3	96.5	1.9065	2.7685	-0.0041	4.6708	7.6118	0.183	0.0062	7.801
276	92.3	96	1.8984	2.7684	-0.004	4.6628	7.6019	0.1808	0.01	7.7927
277	91.8	95.5	1.8935	2.7679	-0.0042	4.6572	7.62	0.179	0.0104	7.8094
278	93.5	95.1	1.8877	2.7671	-0.0043	4.6506	7.6142	0.1816	0.0097	7.8054
279	97.3	95	1.8816	2.767	-0.0042	4.6444	7.6142	0.1806	0.0102	7.805
280	97.1	94.8	1.8746	2.7659	-0.0038	4.6368	7.5865	0.1803	0.0096	7.7764
281	92.6	94.4	1.8672	2.7659	-0.0031	4.63	7.548	0.1784	0.0103	7.7368
282	95.9	94.2	1.8593	2.7658	-0.0026	4.6225	7.4948	0.1822	0.0091	7.6861
283	92.8	94	1.8529	2.7654	-0.0026	4.6157	7.465	0.1822	0.0098	7.657
284	91.1	94	1.8457	2.7655	-0.0025	4.6088	7.4388	0.1792	0.0095	7.6275
285	91.8	93.8	1.8383	2.7666	-0.0023	4.6025	7.4103	0.1751	0.0101	7.5955
286	91.7	94	1.8313	2.7669	-0.0026	4.5956	7.3789	0.1734	0.0095	7.5618
287	93.7	94.4	1.8232	2.7668	-0.003	4.5871	7.3495	0.1657	0.0062	7.5215

288	95.2	94.8	1.8147	2.767	-0.0028	4.5788	7.3129	0.1647	0.0043	7.482
289	94.5	95	1.8077	2.7672	-0.0027	4.5721	7.2919	0.1632	0.0038	7.4589
290	93.3	95.3	1.8017	2.7674	-0.0026	4.5665	7.2641	0.1609	-0.0008	7.4242
291	95	96.1	1.7951	2.7674	-0.0025	4.56	7.2566	0.1525	-0.0032	7.4059
292	94.7	96.7	1.7877	2.7675	-0.0026	4.5526	7.2194	0.1437	-0.0011	7.362
293	95.1	97.4	1.7798	2.7672	-0.0026	4.5444	7.1904	0.1506	-0.0025	7.3385
294	93.6	98.3	1.7721	2.7672	-0.0026	4.5367	7.1659	0.1498	-0.0026	7.3131
295	95.6	99.6	1.7632	2.7667	-0.0027	4.5273	7.1241	0.1528	-0.0026	7.2743
296	98.4	101	1.7565	2.767	-0.0027	4.5208	7.0889	0.1502	-0.0026	7.2365
297	102	102	1.7484	2.7672	-0.0026	4.513	7.0709	0.1453	-0.002	7.2142
298	102	103	1.7408	2.7673	-0.0027	4.5054	7.0462	0.1385	-0.0002	7.1845
299	103	104	1.7332	2.7671	-0.0026	4.4977	6.9973	0.1346	0.0007	7.1326
300	107	105	1.7249	2.7669	-0.0025	4.4893	6.9617	0.1304	0.001	7.0931
301	108	106	1.7166	2.767	-0.0025	4.4811	6.9062	0.1308	0.0001	7.0371
302	106	107	1.7055	2.7674	-0.0028	4.4701	6.8437	0.1379	0	6.9816
303	107	108	1.6961	2.7676	-0.003	4.4607	6.8167	0.1357	-0.0013	6.9511
304	117	110	1.6864	2.7677	-0.0029	4.4512	6.7608	0.1347	-0.0032	6.8923
305	116	111	1.6764	2.7677	-0.003	4.4411	6.7398	0.1358	-0.0043	6.8713
306	116	112	1.6671	2.7677	-0.0029	4.4319	6.7261	0.1297	-0.0051	6.8508
307	115	113	1.6586	2.7674	-0.0029	4.4231	6.7134	0.1221	-0.0046	6.8309
308	111	114	1.6487	2.7672	-0.0027	4.4131	6.6855	0.1206	-0.0051	6.8011
309	114	116	1.639	2.7667	-0.0028	4.4029	6.6568	0.12	-0.0047	6.7721
310	113	116	1.6306	2.7667	-0.0026	4.3947	6.6182	0.123	-0.0055	6.7357
311	117	117	1.6225	2.7666	-0.0024	4.3867	6.6166	0.1241	-0.006	6.7347
312	117	118	1.6139	2.7667	-0.0023	4.3783	6.5953	0.1222	-0.0088	6.7087
313	122	119	1.6028	2.7665	-0.0025	4.3668	6.5645	0.1202	-0.009	6.6757
314	120	119	1.5966	2.766	-0.0026	4.36	6.5507	0.1208	-0.0102	6.6613
315	121	120	1.59	2.7655	-0.0023	4.3532	6.5023	0.1146	-0.011	6.6059
316	121	121	1.5829	2.7649	-0.0025	4.3452	6.467	0.1175	-0.0121	6.5724
317	123	121	1.5756	2.7642	-0.0025	4.3373	6.4383	0.12	-0.0153	6.543
318	123	122	1.5674	2.7646	-0.0026	4.3294	6.4233	0.1163	-0.0191	6.5205
319	122	122	1.5589	2.7645	-0.0026	4.3208	6.3956	0.1188	-0.0184	6.4959
320	120	123	1.5521	2.7639	-0.0026	4.3134	6.3639	0.1197	-0.017	6.4667
321	123	123	1.5438	2.7636	-0.0025	4.3048	6.3252	0.1215	-0.0162	6.4306
322	126	123	1.5369	2.7638	-0.0023	4.2984	6.2872	0.1239	-0.016	6.3951
323	127	123	1.5306	2.7641	-0.0026	4.2921	6.2411	0.126	-0.0151	6.352
324	132	123	1.5242	2.7637	-0.0024	4.2855	6.2041	0.1227	-0.0209	6.3059

325	127	123	1.5165	2.7637	-0.0025	4.2777	6.1492	0.1277	-0.0195	6.2574
326	124	123	1.5075	2.7633	-0.0025	4.2683	6.097	0.1254	-0.0167	6.2057
327	123	123	1.5007	2.7631	-0.0025	4.2613	6.049	0.1244	-0.016	6.1574
328	119	122	1.4939	2.7632	-0.0024	4.2547	6.0357	0.1177	-0.02	6.1334
329	121	122	1.488	2.7631	-0.0025	4.2487	6.0108	0.1103	-0.0222	6.0989
330	122	122	1.4808	2.7633	-0.0023	4.2417	5.9699	0.1074	-0.0203	6.057
331	122	121	1.4747	2.7631	-0.0023	4.2354	5.9399	0.0962	-0.015	6.0211
332	120	121	1.4664	2.7631	-0.0023	4.2273	5.9118	0.0966	-0.0092	5.9992
333	122	120	1.4605	2.7632	-0.0024	4.2213	5.8535	0.0942	-0.0032	5.9445
334	118	119	1.4542	2.7632	-0.0027	4.2148	5.8236	0.0948	-0.0019	5.9165
335	119	118	1.4485	2.7627	-0.0029	4.2083	5.7662	0.0967	0.0004	5.8634
336	119	117	1.4437	2.7628	-0.0028	4.2036	5.7082	0.1111	0.0015	5.8209
337	120	116	1.4397	2.7624	-0.0028	4.1993	5.6661	0.1163	-0.0022	5.7802
338	116	115	1.4337	2.762	-0.0028	4.1929	5.6064	0.1158	-0.0056	5.7166
339	116	114	1.4281	2.7617	-0.0027	4.1871	5.5397	0.118	-0.0016	5.656
340	113	112	1.4213	2.762	-0.0027	4.1806	5.4911	0.1208	0.0006	5.6125
341	114	111	1.4167	2.7621	-0.0028	4.176	5.4541	0.1221	0.0029	5.5791
342	111	110	1.4122	2.7618	-0.0027	4.1713	5.4192	0.1242	0.0062	5.5495
343	112	108	1.4071	2.7614	-0.0028	4.1657	5.3654	0.1258	0.0079	5.499
344	108	107	1.404	2.7604	-0.0029	4.1614	5.2969	0.1242	0.0089	5.43
345	109	106	1.4004	2.7598	-0.003	4.1573	5.2314	0.1231	0.009	5.3635
346	104	104	1.397	2.7598	-0.003	4.1538	5.1536	0.1256	0.0081	5.2873
347	99.3	103	1.393	2.7598	-0.0032	4.1496	5.1104	0.1316	0.0094	5.2514
348	99	101	1.3908	2.7596	-0.0033	4.1471	5.0521	0.1349	0.0113	5.1982
349	95.2	99.5	1.3865	2.7597	-0.0031	4.143	4.9947	0.1374	0.0124	5.1445
350	95.6	97.9	1.3841	2.7592	-0.0029	4.1404	4.9396	0.137	0.014	5.0906
351	99.8	96.4	1.3813	2.7591	-0.003	4.1374	4.8704	0.1377	0.0156	5.0237
352	95	95.1	1.3767	2.7593	-0.0029	4.1331	4.8073	0.1444	0.016	4.9677
353	95.3	93.6	1.3731	2.7595	-0.0027	4.1299	4.7127	0.1518	0.0112	4.8757
354	92.8	92.3	1.3686	2.7595	-0.0026	4.1255	4.6355	0.1624	0.0117	4.8096
355	87.9	90.8	1.3638	2.7598	-0.0025	4.1212	4.5461	0.1631	0.0121	4.7213
356	88.5	89.6	1.3578	2.7604	-0.0024	4.1158	4.4615	0.1602	0.0081	4.6298
357	87.3	88.7	1.354	2.7606	-0.0024	4.1122	4.3807	0.1623	0.0076	4.5507
358	84.8	87.6	1.3511	2.7605	-0.0024	4.1092	4.3085	0.1605	0.007	4.4759
359	82.7	86.5	1.3481	2.7603	-0.0023	4.1061	4.2175	0.1602	0.0089	4.3866
360	84.6	85.3	1.3433	2.7601	-0.0023	4.1012	4.1309	0.1576	0.0102	4.2987
361	86.1	84	1.3399	2.76	-0.0022	4.0977	4.0612	0.1615	0.0124	4.2351

362	83.4	83.1	1.3361	2.7599	-0.0022	4.0938	4.0035	0.1636	0.0128	4.1799
363	83.8	81.8	1.3312	2.7596	-0.0022	4.0886	3.9352	0.164	0.0137	4.1129
364	80	80.8	1.3291	2.7594	-0.0023	4.0862	3.8423	0.1628	0.0106	4.0158
365	81.2	79.9	1.3267	2.759	-0.0023	4.0834	3.804	0.1597	0.009	3.9727
366	82.6	78.9	1.3227	2.7587	-0.0022	4.0791	3.7646	0.1546	0.0118	3.9309
367	78.3	77.9	1.3184	2.7585	-0.0021	4.0748	3.7201	0.1478	0.0131	3.8809
368	73.1	76.9	1.316	2.7582	-0.0023	4.0718	3.6567	0.1431	0.0134	3.8131
369	73.3	76	1.3132	2.7582	-0.0024	4.069	3.5895	0.1484	0.0103	3.7483
370	76.3	75	1.3101	2.758	-0.0024	4.0658	3.5173	0.1476	0.0082	3.6732
371	76.5	73.7	1.3063	2.7574	-0.0023	4.0615	3.4702	0.1436	0.0049	3.6187
372	71.7	72.6	1.3037	2.7569	-0.0024	4.0582	3.4077	0.1426	0.0053	3.5555
373	74.1	71.4	1.3008	2.7566	-0.0022	4.0551	3.3575	0.1467	0.0102	3.5144
374	70.3	70.4	1.2989	2.7562	-0.0022	4.0528	3.3142	0.1513	0.0093	3.4748
375	69.5	69.4	1.2968	2.7559	-0.0025	4.0502	3.2676	0.1446	0.0102	3.4224
376	68.5	68.2	1.2935	2.756	-0.0024	4.0471	3.2042	0.1428	0.0081	3.355
377	65.4	67.2	1.2899	2.7561	-0.0022	4.0438	3.1275	0.14	0.007	3.2745
378	65	66.5	1.2866	2.7561	-0.002	4.0407	3.0747	0.1384	0.0084	3.2215
379	65.4	65.8	1.2846	2.7563	-0.0022	4.0387	3.0238	0.1408	0.0101	3.1746
380	62.6	64.9	1.2807	2.7563	-0.0023	4.0347	2.9796	0.1433	0.0112	3.1341
381	62.3	63.9	1.276	2.7562	-0.0021	4.0301	2.9235	0.1415	0.0112	3.0762
382	60	63.2	1.2739	2.7564	-0.0023	4.028	2.8757	0.1364	0.0115	3.0236
383	62.2	62.3	1.2706	2.7559	-0.0024	4.0241	2.8073	0.1371	0.0132	2.9577
384	61.8	61.5	1.2691	2.7559	-0.0025	4.0225	2.7726	0.138	0.0125	2.9231
385	60.1	60.8	1.2675	2.7555	-0.0025	4.0204	2.7339	0.1413	0.0085	2.8836
386	59.4	60.2	1.2647	2.7553	-0.0024	4.0176	2.691	0.1371	0.006	2.8342
387	59.5	59.5	1.2626	2.7553	-0.0024	4.0155	2.6617	0.1447	0.003	2.8094
388	59	59	1.2607	2.7552	-0.0027	4.0132	2.6336	0.1464	0.0028	2.7828
389	58.9	58.3	1.2586	2.7551	-0.0028	4.0109	2.5826	0.1417	0.0008	2.7251
390	58.5	57.8	1.2563	2.7552	-0.0029	4.0086	2.5439	0.1371	0.0008	2.6819
391	58.6	57.2	1.2532	2.755	-0.0031	4.005	2.4923	0.1391	0.0027	2.6341
392	57	56.7	1.2512	2.7549	-0.0034	4.0027	2.4592	0.1406	0.002	2.6017
393	55.7	55.9	1.2501	2.7548	-0.0035	4.0014	2.4342	0.1366	0.0031	2.574
394	55.5	55.2	1.249	2.7549	-0.0035	4.0004	2.411	0.1349	0.0061	2.552
395	56.1	54.5	1.2479	2.7542	-0.0035	3.9985	2.4141	0.132	0.0079	2.5539
396	53.4	53.9	1.2455	2.7538	-0.0036	3.9957	2.417	0.1311	0.0072	2.5553
397	54.5	53.3	1.2432	2.7537	-0.0038	3.9932	2.3978	0.133	0.007	2.5378
398	53.2	52.8	1.2413	2.7535	-0.0039	3.9909	2.3682	0.1363	0.004	2.5085

399	52.4	52.3	1.2392	2.7534	-0.004	3.9886	2.3579	0.1382	0.0032	2.4993
400	52	51.6	1.2379	2.7532	-0.0041	3.987	2.3306	0.145	0.0057	2.4813
401	49.5	50.9	1.2358	2.7526	-0.0041	3.9843	2.3174	0.1438	0.0082	2.4694
402	47.8	50.3	1.2343	2.7522	-0.0039	3.9826	2.3017	0.144	0.0085	2.4542
403	47.4	49.7	1.2326	2.7513	-0.0042	3.9797	2.2681	0.1484	0.0114	2.428
404	47.6	49.1	1.2318	2.7514	-0.0041	3.9791	2.2382	0.1581	0.0149	2.4112
405	48.5	48.5	1.2302	2.7517	-0.0038	3.9781	2.1952	0.1611	0.0178	2.3742
406	47.5	48.1	1.229	2.7515	-0.0037	3.9768	2.1462	0.172	0.0203	2.3384
407	50.1	47.5	1.2278	2.7514	-0.0036	3.9755	2.0899	0.1819	0.022	2.2938
408	48.1	47.1	1.2269	2.7512	-0.0036	3.9745	2.0586	0.194	0.0232	2.2758
409	45.1	46.6	1.2259	2.751	-0.0038	3.973	2.0526	0.1896	0.0276	2.2697
410	45.1	46.1	1.2245	2.7505	-0.0039	3.9712	2.0314	0.1975	0.0308	2.2597
411	46	45.7	1.2222	2.7502	-0.0036	3.9688	2.0079	0.1936	0.0277	2.2292
412	44.5	45.3	1.2204	2.7503	-0.0037	3.967	1.9794	0.1915	0.0271	2.1981
413	44.1	45.1	1.2185	2.7502	-0.0035	3.9652	1.9548	0.1933	0.025	2.1731
414	45.3	44.7	1.2162	2.75	-0.0035	3.9627	1.9271	0.1856	0.0238	2.1366
415	45.4	44.4	1.2136	2.75	-0.0035	3.9601	1.9296	0.174	0.0206	2.1243
416	43.5	44	1.2109	2.7501	-0.0038	3.9571	1.9211	0.1642	0.0166	2.1019
417	45.1	43.6	1.21	2.7499	-0.0039	3.956	1.8916	0.165	0.017	2.0736
418	43.1	43.3	1.2085	2.7498	-0.0037	3.9546	1.8702	0.1674	0.0185	2.0562
419	42.6	43.2	1.2071	2.7497	-0.0034	3.9534	1.8617	0.1553	0.018	2.0351
420	41.1	42.9	1.2051	2.7495	-0.0031	3.9515	1.8681	0.1511	0.0167	2.0359
421	41.5	42.7	1.203	2.7493	-0.0031	3.9493	1.851	0.1545	0.0142	2.0197
422	41.9	42.5	1.2012	2.7492	-0.0034	3.947	1.8199	0.1507	0.014	1.9846
423	41.1	42.4	1.1992	2.749	-0.0035	3.9447	1.8048	0.1414	0.015	1.9612
424	42.1	42.2	1.1974	2.7492	-0.0034	3.9433	1.7868	0.1315	0.0175	1.9358
425	40.8	42	1.1961	2.7494	-0.0033	3.9422	1.7837	0.1251	0.0163	1.925
426	42	41.8	1.1948	2.7493	-0.0032	3.9409	1.7765	0.128	0.0148	1.9193
427	42.8	41.6	1.1933	2.7492	-0.0033	3.9392	1.7456	0.1334	0.014	1.893
428	42.1	41.5	1.1915	2.7492	-0.0034	3.9373	1.7027	0.1403	0.0165	1.8596
429	40.5	41.3	1.1901	2.7488	-0.0036	3.9353	1.6612	0.1458	0.0186	1.8256
430	41.7	41.2	1.1885	2.7491	-0.0035	3.9341	1.6521	0.1495	0.0182	1.8197
431	41.1	41.1	1.1871	2.7495	-0.0035	3.9331	1.6307	0.151	0.0193	1.801
432	41.6	41	1.1857	2.7494	-0.0036	3.9315	1.5871	0.1663	0.0226	1.7761
433	41	41	1.1832	2.7494	-0.0036	3.929	1.5784	0.1712	0.0209	1.7704
434	41.8	40.8	1.1809	2.7491	-0.0035	3.9264	1.5626	0.1655	0.019	1.7471
435	39.8	40.8	1.1794	2.749	-0.0035	3.9249	1.5635	0.1677	0.02	1.7513

436	40.9	40.7	1.1775	2.7483	-0.0031	3.9227	1.5671	0.1626	0.0222	1.7519
437	42	40.7	1.1763	2.7477	-0.0031	3.921	1.5554	0.159	0.0204	1.7348
438	39.3	40.6	1.1755	2.7478	-0.0029	3.9204	1.5492	0.1578	0.0198	1.7268
439	38	40.6	1.1737	2.748	-0.0028	3.9189	1.5392	0.1566	0.0199	1.7157
440	39.4	40.5	1.1721	2.7481	-0.0029	3.9172	1.5257	0.156	0.021	1.7027
441	40.7	40.5	1.1708	2.748	-0.003	3.9158	1.5023	0.1637	0.0155	1.6815
442	40.6	40.4	1.1688	2.7481	-0.0031	3.9139	1.4848	0.1627	0.0111	1.6586
443	39.6	40.4	1.166	2.7479	-0.0034	3.9105	1.4865	0.1591	0.0119	1.6575
444	40.8	40.4	1.1625	2.7472	-0.0037	3.9061	1.5069	0.1524	0.0121	1.6713
445	38.9	40.3	1.1587	2.7467	-0.0037	3.9018	1.5226	0.1537	0.0115	1.6879
446	43	40.2	1.1572	2.7465	-0.0037	3.9	1.5328	0.1513	0.0109	1.695
447	40.7	40	1.1562	2.7462	-0.0036	3.8988	1.5273	0.1618	0.0092	1.6983
448	39.6	39.9	1.155	2.7458	-0.0036	3.8971	1.5117	0.1747	0.008	1.6945
449	41.3	39.8	1.1534	2.7452	-0.0037	3.8949	1.5133	0.1703	0.0083	1.692
450	40	39.8	1.1523	2.7449	-0.0037	3.8934	1.5174	0.166	0.0073	1.6906
451	40.3	39.6	1.1511	2.7447	-0.0038	3.892	1.5082	0.1723	0.0069	1.6873
452	40.9	39.4	1.1499	2.7445	-0.004	3.8903	1.5064	0.1718	0.008	1.6862
453	41.2	39.3	1.1493	2.7437	-0.0042	3.8888	1.4914	0.1722	0.0115	1.6752
454	39.3	39	1.149	2.7434	-0.0044	3.8881	1.4984	0.1548	0.0084	1.6617
455	37.7	38.9	1.1492	2.7426	-0.0045	3.8873	1.4914	0.1588	0.0096	1.6597
456	37.8	38.7	1.1488	2.7422	-0.0046	3.8864	1.4829	0.1699	0.0141	1.667
457	37.6	38.4	1.1481	2.7412	-0.0047	3.8846	1.4805	0.18	0.0116	1.6721
458	37.2	38.2	1.1459	2.7415	-0.0052	3.8822	1.4871	0.1791	0.0105	1.6767
459	38.2	37.9	1.1449	2.7406	-0.0054	3.8801	1.5106	0.1675	0.0107	1.6888
460	37.3	37.6	1.1425	2.7408	-0.0051	3.8782	1.5269	0.1598	-0.0047	1.682
461	36.6	37.4	1.1419	2.7408	-0.0049	3.8779	1.5244	0.1551	-0.0123	1.6672
462	37.5	37.1	1.1406	2.7406	-0.0047	3.8765	1.5011	0.152	-0.0122	1.6409
463	36.5	36.8	1.1385	2.741	-0.0046	3.8749	1.4972	0.1456	-0.0137	1.6292
464	37.2	36.6	1.1362	2.742	-0.0044	3.8738	1.5042	0.1318	-0.0154	1.6205
465	37.9	36.5	1.1346	2.7425	-0.004	3.8732	1.4843	0.1337	-0.015	1.603
466	35.9	36.4	1.1335	2.7422	-0.0039	3.8718	1.488	0.1221	-0.0153	1.5948
467	36.3	36.3	1.1313	2.7418	-0.004	3.8691	1.4787	0.1156	-0.0183	1.576
468	34.4	36.3	1.1298	2.7426	-0.0041	3.8683	1.4826	0.1135	-0.0186	1.5774
469	35.5	36.2	1.1264	2.7431	-0.0041	3.8654	1.4749	0.1115	-0.0177	1.5687
470	34.9	36.1	1.125	2.7426	-0.0038	3.8638	1.4508	0.1169	-0.0158	1.5519
471	35.3	36.1	1.1244	2.7424	-0.0037	3.863	1.4231	0.1217	-0.0133	1.5315
472	36.5	36.1	1.1233	2.7428	-0.0039	3.8621	1.4091	0.1206	-0.0119	1.5178

473	35.5	36.1	1.1221	2.7434	-0.004	3.8615	1.4006	0.1223	-0.0155	1.5074
474	34.9	36.2	1.1205	2.7437	-0.0039	3.8603	1.4049	0.1175	-0.018	1.5045
475	35.6	36.3	1.1191	2.7431	-0.0039	3.8583	1.3935	0.1227	-0.0162	1.5
476	37	36.4	1.119	2.7427	-0.0038	3.8578	1.3912	0.1287	-0.0151	1.5048
477	37.5	36.5	1.1196	2.7421	-0.0038	3.8579	1.3808	0.1299	-0.0135	1.4972
478	35.2	36.7	1.1205	2.7415	-0.0039	3.8581	1.3702	0.1269	-0.0128	1.4844
479	35.5	36.8	1.1194	2.7413	-0.004	3.8567	1.3595	0.1258	-0.0125	1.4728
480	36.1	36.8	1.1176	2.7412	-0.0042	3.8546	1.3538	0.1275	-0.0132	1.4681
481	38.1	36.9	1.1173	2.7396	-0.0044	3.8525	1.3464	0.1404	-0.0132	1.4736
482	37.5	36.9	1.1161	2.7393	-0.0044	3.851	1.3509	0.1485	-0.0135	1.4859
483	38.3	37	1.1143	2.7394	-0.0043	3.8494	1.3471	0.1502	-0.0127	1.4846
484	39.1	37.1	1.1127	2.7391	-0.0045	3.8473	1.3342	0.1453	-0.0132	1.4663
485	38.2	37.1	1.1107	2.7392	-0.0047	3.8452	1.3217	0.1368	-0.0112	1.4473
486	38	37	1.1092	2.7394	-0.0044	3.8441	1.3219	0.1386	-0.0109	1.4496
487	38	36.9	1.1077	2.7395	-0.0044	3.8428	1.3325	0.117	-0.0058	1.4437
488	37.4	37	1.1068	2.7395	-0.0047	3.8416	1.3486	0.1005	-0.0048	1.4442
489	36.4	37.1	1.106	2.7395	-0.0049	3.8406	1.3668	0.0929	-0.0038	1.4559
490	36.4	37.2	1.1061	2.7388	-0.0045	3.8404	1.3694	0.0906	-0.0036	1.4563
491	37.1	37	1.1047	2.7387	-0.0043	3.8392	1.3572	0.1035	-0.0044	1.4563
492	36.9	36.9	1.1025	2.739	-0.0046	3.837	1.3407	0.1245	-0.0037	1.4616
493	37.1	36.8	1.0994	2.7396	-0.0047	3.8343	1.3279	0.136	-0.0021	1.4618
494	35.6	36.5	1.0967	2.7395	-0.0047	3.8316	1.3087	0.1499	-0.0056	1.453
495	34.9	36.3	1.0946	2.739	-0.0046	3.829	1.3001	0.1484	-0.0076	1.4408
496	35.7	36	1.0928	2.7376	-0.0045	3.8258	1.2677	0.1474	-0.0089	1.4061
497	37	35.8	1.092	2.7363	-0.0046	3.8238	1.2631	0.1481	-0.0067	1.4046
498	36.6	35.5	1.09	2.7365	-0.0047	3.8217	1.254	0.1552	-0.003	1.4062
499	37.8	35.4	1.0875	2.7368	-0.0047	3.8195	1.2412	0.1615	-0.0032	1.3996
500	35.6	35.1	1.0871	2.7359	-0.0048	3.8182	1.2296	0.1716	-0.0044	1.3968
501	35.9	35	1.0852	2.7354	-0.0049	3.8157	1.2387	0.1742	-0.0049	1.4079
502	34.6	34.8	1.0851	2.735	-0.0051	3.8151	1.2505	0.1705	-0.0032	1.4177
503	34.4	34.7	1.0827	2.7359	-0.005	3.8136	1.2603	0.1633	-0.0031	1.4205
504	34	34.6	1.0827	2.7355	-0.0051	3.8131	1.2741	0.1512	-0.0061	1.4192
505	33.4	34.5	1.082	2.7347	-0.0052	3.8114	1.2854	0.1478	-0.0102	1.423
506	33.4	34.4	1.081	2.7335	-0.0048	3.8096	1.3031	0.1367	-0.0137	1.4261
507	32.3	34.2	1.079	2.7334	-0.0046	3.8078	1.2963	0.14	-0.0199	1.4164
508	33.1	34.1	1.0759	2.7344	-0.0047	3.8056	1.3181	0.1253	-0.0227	1.4207
509	32.5	33.8	1.0732	2.735	-0.0034	3.8048	1.3129	0.1269	-0.0336	1.4063

510	33.5	33.8	1.0721	2.735	-0.0026	3.8045	1.3283	0.099	-0.0355	1.3918
511	34.2	33.7	1.0721	2.735	-0.0024	3.8047	1.3476	0.0784	-0.0317	1.3943
512	34.8	33.7	1.0707	2.7358	-0.0023	3.8041	1.3601	0.0664	-0.0317	1.3948
513	33.6	33.5	1.0681	2.7371	-0.002	3.8032	1.3585	0.0584	-0.0284	1.3885
514	34	33.5	1.0677	2.7367	-0.002	3.8024	1.338	0.0742	-0.0264	1.3859
515	33.6	33.4	1.0648	2.7378	-0.002	3.8006	1.3209	0.0902	-0.0239	1.3873
516	33.6	33.4	1.063	2.7385	-0.002	3.7995	1.3339	0.0904	-0.019	1.4053
517	32.9	33.5	1.0617	2.7385	-0.002	3.7982	1.3769	0.0387	-0.0198	1.3958
518	33.9	33.5	1.061	2.7386	-0.0019	3.7977	1.3753	0.025	-0.02	1.3804
519	34	33.6	1.0621	2.738	-0.0018	3.7983	1.3723	0.0329	-0.0202	1.385
520	35	33.6	1.0628	2.7373	-0.0017	3.7984	1.3443	0.0443	-0.0217	1.367
521	33.5	33.6	1.0621	2.7373	-0.0019	3.7975	1.3326	0.0451	-0.019	1.3588
522	31.6	33.5	1.0611	2.7369	-0.0018	3.7962	1.328	0.0475	-0.0181	1.3573
523	34.3	33.5	1.0587	2.7372	-0.0017	3.7942	1.3237	0.0599	-0.0224	1.3611
524	31.4	33.5	1.0581	2.737	-0.0018	3.7933	1.3255	0.0695	-0.024	1.3709
525	32.6	33.5	1.057	2.7365	-0.0018	3.7917	1.3345	0.063	-0.0232	1.3743
526	34.2	33.4	1.0567	2.7363	-0.0019	3.7911	1.3387	0.0533	-0.022	1.37
527	33.3	33.5	1.0563	2.7365	-0.002	3.7907	1.3496	0.0533	-0.018	1.3849
528	34	33.4	1.0556	2.7366	-0.0022	3.79	1.3407	0.0723	-0.0152	1.3978
529	34.8	33.4	1.0547	2.736	-0.0022	3.7885	1.3489	0.0768	-0.0141	1.4117
530	34.1	33.3	1.0538	2.7351	-0.0021	3.7867	1.3358	0.0875	-0.0121	1.4112
531	33.1	33.2	1.052	2.7346	-0.0021	3.7845	1.3181	0.109	-0.0141	1.413
532	32.7	33.3	1.051	2.7344	-0.0024	3.7831	1.3262	0.0996	-0.0155	1.4103
533	33.7	33.2	1.0498	2.7349	-0.0023	3.7823	1.3289	0.0907	-0.0177	1.4019
534	33.1	33.3	1.0487	2.7354	-0.0024	3.7817	1.3207	0.094	-0.019	1.3957
535	33.2	33.4	1.0472	2.7351	-0.0024	3.78	1.3195	0.0898	-0.0232	1.386
536	33.2	33.4	1.0443	2.7366	-0.0025	3.7783	1.3073	0.0821	-0.027	1.3624
537	33.4	33.4	1.0415	2.7377	-0.0026	3.7765	1.2954	0.0735	-0.0234	1.3455
538	34	33.3	1.0388	2.7385	-0.0025	3.7748	1.285	0.0694	-0.0245	1.3299
539	32.5	33.2	1.0368	2.7389	-0.0024	3.7733	1.2921	0.0736	-0.0268	1.3388
540	31.7	33.1	1.0364	2.7377	-0.0025	3.7716	1.301	0.053	-0.03	1.324
541	33.1	33.1	1.0367	2.7355	-0.0026	3.7696	1.305	0.0512	-0.029	1.3273
542	33.5	33.1	1.036	2.7345	-0.0029	3.7677	1.296	0.0528	-0.0392	1.3096
543	32.6	33.1	1.0351	2.7329	-0.0028	3.7652	1.2922	0.0517	-0.0455	1.2984
544	33.5	33.1	1.0325	2.7323	-0.0029	3.762	1.2758	0.0514	-0.047	1.2801
545	34.1	33	1.032	2.732	-0.0028	3.7611	1.2581	0.0515	-0.0452	1.2645
546	34.2	32.9	1.0309	2.7317	-0.003	3.7595	1.2395	0.0526	-0.0414	1.2508

547	31.8	32.9	1.0308	2.7307	-0.0033	3.7582	1.2305	0.0479	-0.0394	1.239
548	32.4	32.7	1.0309	2.7296	-0.0033	3.7572	1.2422	0.0435	-0.0389	1.2469
549	32.8	32.6	1.0305	2.728	-0.0033	3.7552	1.2474	0.0404	-0.042	1.2459
550	33.2	32.6	1.0284	2.7274	-0.0032	3.7526	1.2394	0.0393	-0.0404	1.2383
551	33.3	32.5	1.0261	2.7277	-0.0035	3.7502	1.2438	0.0265	-0.0399	1.2304
552	32.6	32.4	1.0238	2.7282	-0.0037	3.7483	1.2293	0.0162	-0.043	1.2024
553	32.9	32.3	1.0219	2.7285	-0.0036	3.7469	1.2356	0.0129	-0.0463	1.2022
554	32.7	32.1	1.0205	2.7286	-0.0033	3.7458	1.2285	0.0252	-0.054	1.1997
555	30.7	31.9	1.0189	2.729	-0.0031	3.7447	1.2395	0.0224	-0.0751	1.1869
556	32.7	31.7	1.0192	2.7282	-0.0026	3.7448	1.2441	0.0108	-0.0791	1.1758
557	30.5	31.6	1.0163	2.7287	-0.0024	3.7425	1.2455	-0.0058	-0.0754	1.1643
558	30.5	31.5	1.0146	2.7289	-0.0018	3.7416	1.241	-0.0075	-0.0723	1.1612
559	31.5	31.4	1.0121	2.7307	-0.0019	3.7409	1.2254	0.0014	-0.0706	1.1562
560	32	31.3	1.0078	2.7329	-0.0019	3.7388	1.2109	0.0014	-0.0558	1.1565
561	31.1	31.2	1.0059	2.7342	-0.0017	3.7384	1.208	0.0018	-0.0465	1.1633
562	30.2	31.2	1.0048	2.7347	-0.0019	3.7376	1.236	0.0039	-0.0433	1.1967
563	29.7	31.2	1.0047	2.7336	-0.002	3.7363	1.2126	0.0161	-0.0399	1.1887
564	31.7	31.2	1.0041	2.733	-0.002	3.735	1.1904	0.0362	-0.0354	1.1912
565	29.5	31.3	1.0012	2.7335	-0.0021	3.7327	1.2059	0.0351	-0.0392	1.2018
566	30.1	31.3	0.9958	2.7383	-0.0019	3.7322	1.1936	0.0433	-0.0434	1.1935
567	30.2	31.3	0.9938	2.7393	-0.002	3.7311	1.197	0.0392	-0.0435	1.1928
568	31.6	31.4	0.9925	2.7393	-0.0021	3.7298	1.2189	0.0274	-0.0416	1.2047
569	31.1	31.4	0.9919	2.7387	-0.0019	3.7287	1.2361	0.0238	-0.037	1.223
570	32.4	31.4	0.9918	2.7381	-0.0019	3.7279	1.2679	0.0147	-0.0323	1.2503
571	32.5	31.5	0.9916	2.7376	-0.0019	3.7273	1.2847	0.0106	-0.0303	1.265
572	32.7	31.5	0.9909	2.7368	-0.0017	3.726	1.2849	0.0179	-0.0334	1.2694
573	32.6	31.6	0.9895	2.7365	-0.0015	3.7245	1.2866	0.0252	-0.0312	1.2807
574	32.9	31.5	0.9871	2.7374	-0.0016	3.7229	1.2707	0.0281	-0.0271	1.2717
575	32.7	31.7	0.9853	2.7378	-0.0017	3.7213	1.2722	0.0289	-0.0293	1.2718
576	30.7	31.9	0.984	2.7373	-0.002	3.7193	1.2573	0.0378	-0.0315	1.2637
577	30.9	32	0.9856	2.7348	-0.0023	3.7181	1.2585	0.0348	-0.0332	1.2601
578	32.3	32.1	0.9856	2.7338	-0.0025	3.7169	1.2562	0.0446	-0.0335	1.2673
579	32.3	32.1	0.9858	2.7326	-0.0028	3.7156	1.2523	0.0549	-0.0349	1.2723
580	31.9	32.2	0.9858	2.7303	-0.0028	3.7133	1.2538	0.0472	-0.0364	1.2646
581	31.4	32.3	0.9847	2.7296	-0.0028	3.7114	1.257	0.0324	-0.0353	1.2541
582	30.5	32.2	0.9832	2.7302	-0.0026	3.7108	1.2467	0.0351	-0.035	1.2468
583	30.8	32.3	0.9822	2.73	-0.0024	3.7098	1.2464	0.0404	-0.0392	1.2476

584	33	32.2	0.9808	2.7301	-0.0022	3.7087	1.2349	0.0344	-0.0409	1.2283
585	32.8	32.1	0.98	2.731	-0.002	3.709	1.2316	0.0338	-0.0422	1.2232
586	32.6	32.3	0.9796	2.7321	-0.0021	3.7096	1.2367	0.0273	-0.0476	1.2164
587	33.1	32.4	0.9792	2.7325	-0.0019	3.7098	1.2215	0.0342	-0.052	1.2037
588	31.7	32.4	0.9776	2.7321	-0.002	3.7077	1.2142	0.0456	-0.0514	1.2084
589	35.3	32.4	0.9759	2.7342	-0.0019	3.7082	1.2022	0.0547	-0.0473	1.2096
590	33	32.3	0.9756	2.7337	-0.0016	3.7077	1.1936	0.0604	-0.044	1.2101
591	31.9	32.3	0.9751	2.7334	-0.0003	3.7082	1.2015	0.0552	-0.0428	1.2139
592	33.4	32.4	0.9733	2.7338	0	3.7071	1.2098	0.0394	-0.043	1.2063
593	31	32.5	0.9718	2.7344	0	3.7062	1.2056	0.0374	-0.0455	1.1976
594	32.2	32.4	0.9709	2.7344	-0.0001	3.7051	1.209	0.0251	-0.0427	1.1914
595	33.2	32.3	0.9706	2.7338	-0.0005	3.7039	1.1793	0.021	-0.0456	1.1547
596	32.5	32.3	0.9697	2.7328	-0.0006	3.7019	1.1716	0.0149	-0.0421	1.1445
597	33.2	32.2	0.9678	2.7319	-0.0007	3.6991	1.1709	0.0035	-0.0465	1.1279
598	31.5	32.3	0.9652	2.7324	-0.0005	3.6971	1.1716	-0.0129	-0.051	1.1077
599	31	32.2	0.9635	2.7329	-0.0007	3.6957	1.184	-0.0257	-0.0515	1.1068
600	31	32.1	0.9627	2.7333	-0.0008	3.6952	1.1912	-0.0417	-0.0523	1.0973
601	32.5	32.1	0.9623	2.7338	-0.0006	3.6955	1.1811	-0.0445	-0.0519	1.0847
602	32.2	32	0.9616	2.7337	-0.0005	3.6948	1.1618	-0.0358	-0.0542	1.0718
603	31.3	32.1	0.9599	2.7333	0.0004	3.6936	1.141	-0.0285	-0.0532	1.0594
604	31.9	32.1	0.9587	2.7333	0.0024	3.6945	1.1475	-0.028	-0.0491	1.0703
605	31.5	32	0.9575	2.7336	0.0027	3.6939	1.1611	-0.0442	-0.0472	1.0697
606	32.5	32	0.9564	2.7341	0.0027	3.6932	1.1714	-0.0435	-0.0461	1.0818
607	32.5	32	0.9549	2.7342	0.0026	3.6917	1.1818	-0.047	-0.0353	1.0994
608	33	32	0.9533	2.7343	0.0024	3.69	1.1721	-0.045	-0.0305	1.0966
609	32	32.1	0.9521	2.7349	0.0022	3.6892	1.1805	-0.0401	-0.0255	1.1149
610	31.7	32.2	0.9513	2.7348	0.002	3.6881	1.1688	-0.0158	-0.0285	1.1245
611	30.7	32.2	0.9485	2.7346	0.0019	3.685	1.1396	0.0009	-0.029	1.1115
612	33.4	32.2	0.9494	2.7342	0.0017	3.6853	1.1298	0.0151	-0.0274	1.1174
613	31.5	32.1	0.9491	2.7334	0.0015	3.684	1.131	0.0119	-0.0306	1.1123
614	32.6	32.1	0.9472	2.7331	0.0019	3.6822	1.152	-0.0088	-0.0354	1.1078
615	31.8	32.1	0.9454	2.7335	0.0024	3.6813	1.1709	-0.0183	-0.0363	1.1163
616	32.8	32.1	0.9433	2.7346	0.0024	3.6803	1.1675	-0.0163	-0.0368	1.1143
617	32.6	32.1	0.9398	2.7358	0.0021	3.6778	1.1208	0.0267	-0.0318	1.1157
618	32.8	32.1	0.9374	2.7363	0.0018	3.6754	1.1056	0.0332	-0.0339	1.1049
619	32.7	32.1	0.9353	2.7366	0.0014	3.6732	1.1055	0.0355	-0.0288	1.1122
620	32	32.2	0.9343	2.7363	0.0013	3.6719	1.1013	0.0317	-0.0231	1.11

621	32.8	32.2	0.9336	2.7355	0.0015	3.6705	1.0994	0.0349	-0.0283	1.106
622	29.9	32	0.9324	2.7344	0.0013	3.6682	1.1011	0.0385	-0.0439	1.0956
623	31	32	0.9316	2.7344	0.001	3.667	1.0986	0.0322	-0.0404	1.0904
624	31.5	31.9	0.9309	2.7341	0.0011	3.6661	1.084	0.0354	-0.0375	1.0819
625	32.9	31.8	0.9312	2.7327	0.0013	3.6653	1.061	0.0502	-0.037	1.0741
626	32.7	31.6	0.9308	2.7328	0.0015	3.6651	1.0558	0.0517	-0.0384	1.0691
627	31.9	31.5	0.9306	2.7321	0.0013	3.664	1.0564	0.046	-0.0421	1.0603
628	31.7	31.3	0.9303	2.7311	0.0013	3.6627	1.0795	0.0197	-0.0431	1.0561
629	33.5	31.1	0.9293	2.7313	0.0014	3.662	1.095	0.012	-0.0477	1.0593
630	32.2	31	0.9281	2.7318	0.0014	3.6613	1.1021	-0.0014	-0.046	1.0547
631	30	30.8	0.9273	2.7311	0.0014	3.6598	1.1137	-0.0288	-0.045	1.0399
632	30.4	30.7	0.9263	2.7304	0.0016	3.6583	1.1046	-0.0365	-0.0431	1.0249
633	30.1	30.6	0.9263	2.7314	0.0018	3.6595	1.1001	-0.0292	-0.0401	1.0308
634	31	30.5	0.9255	2.732	0.0018	3.6594	1.1026	-0.0305	-0.0414	1.0307
635	29.4	30.3	0.9235	2.7324	0.0024	3.6583	1.1024	-0.0317	-0.038	1.0326
636	30.1	30.3	0.9221	2.7332	0.0027	3.658	1.1142	-0.0301	-0.034	1.0501
637	29.7	30.2	0.9201	2.7331	0.0025	3.6557	1.1303	-0.0232	-0.0334	1.0737
638	28.9	30.1	0.9186	2.7331	0.0022	3.6539	1.1367	-0.0204	-0.0314	1.085
639	29	30	0.9174	2.7329	0.002	3.6522	1.1297	-0.0208	-0.0295	1.0794
640	28.8	30	0.9162	2.7322	0.0018	3.6502	1.123	0.0054	-0.0298	1.0986
641	28.6	30	0.9157	2.7316	0.0017	3.649	1.1267	0.0085	-0.0219	1.1134
642	29.3	30	0.9155	2.7308	0.0017	3.6479	1.1336	0.0088	-0.0082	1.1341
643	29.1	30.1	0.9142	2.7304	0.0015	3.6461	1.1246	0.018	-0.0042	1.1384
644	29.8	30.1	0.9146	2.7302	0.0017	3.6465	1.1267	0.0234	-0.005	1.145
645	31.3	30.2	0.9148	2.7305	0.0014	3.6467	1.133	0.023	-0.0074	1.1486
646	30.4	30.2	0.9138	2.7313	0.0016	3.6468	1.1455	0.0168	-0.01	1.1523
647	31.2	30.3	0.9136	2.7319	0.0018	3.6474	1.1493	0.0078	-0.008	1.1492
648	30.9	30.4	0.9125	2.7322	0.0018	3.6465	1.1474	-0.0023	-0.0075	1.1376
649	31.7	30.4	0.9113	2.7322	0.002	3.6455	1.1342	0.0035	-0.006	1.1317
650	30.7	30.5	0.9103	2.7319	0.0019	3.6442	1.1224	0.0103	-0.0094	1.1234
651	30.4	30.5	0.9099	2.7312	0.0019	3.643	1.1212	0.0158	-0.0128	1.1243
652	30.7	30.6	0.9097	2.731	0.0016	3.6424	1.1206	0.02	-0.0109	1.1297
653	31	30.7	0.9071	2.7313	0.0014	3.6398	1.1234	0.0171	-0.0109	1.1297
654	31.6	30.7	0.9044	2.733	0.0014	3.6388	1.118	0.0094	-0.0066	1.1209
655	31.4	30.7	0.9017	2.7333	0.0015	3.6365	1.1089	0.0034	0.0104	1.1228
656	31.6	30.8	0.901	2.7329	0.0009	3.6349	1.0939	0.0111	0.0136	1.1186
657	30.6	30.9	0.8991	2.7332	0.0006	3.6329	1.0824	0.0217	0.0142	1.1183

658	29.4	30.8	0.8965	2.7329	0.0007	3.6301	1.0724	0.0275	0.0118	1.1117
659	29.4	30.8	0.8952	2.7323	0.001	3.6285	1.0541	0.0309	0.0126	1.0976
660	29.8	30.9	0.8938	2.7328	0.001	3.6277	1.0421	0.0342	0.0125	1.0887
661	31	30.8	0.893	2.7327	0.001	3.6267	1.0356	0.0369	0.0102	1.0828
662	31	30.7	0.8917	2.7335	0.0012	3.6264	1.0096	0.0316	0.009	1.0503
663	30.1	30.6	0.8895	2.7345	0.0016	3.6255	1.0359	0.0137	0.0069	1.0565
664	30.9	30.5	0.887	2.7348	0.0016	3.6234	1.0433	-0.0009	0.0034	1.0458
665	31.3	30.3	0.8845	2.7351	0.0016	3.6212	1.0359	-0.0097	0.0072	1.0333
666	33	30.2	0.8837	2.7356	0.0013	3.6206	1.0264	-0.0076	0.0119	1.0307
667	29.5	30.1	0.8832	2.736	0.0014	3.6206	1.012	0.0042	0.0116	1.0278
668	31.5	30.2	0.882	2.7358	0.0008	3.6186	0.9926	0.0162	0.0075	1.0163
669	32	30.2	0.8818	2.7355	0.0004	3.6177	0.9794	0.0208	0.0072	1.0074
670	28.7	30.1	0.8818	2.7346	0.0009	3.6173	0.9599	0.032	0.0053	0.9972
671	29	30.1	0.8815	2.7338	0.0025	3.6177	0.9561	0.0335	0.0026	0.9922
672	29.6	29.9	0.881	2.7335	0.0024	3.617	0.9572	0.0219	0.003	0.9821
673	28.8	29.9	0.8811	2.7329	0.0022	3.6163	0.9543	0.0103	0.0011	0.9656
674	29.2	29.8	0.881	2.7324	0.0021	3.6155	0.9542	0.009	-0.001	0.9622
675	29.4	29.7	0.8797	2.7326	0.0021	3.6144	0.9555	0.0087	0.0024	0.9667
676	29	29.5	0.8784	2.7327	0.0022	3.6133	0.9802	-0.0043	0.0073	0.9832
677	30.4	29.5	0.8776	2.7329	0.002	3.6125	0.976	-0.0017	0.0081	0.9824
678	29.1	29.3	0.8761	2.7326	0.0023	3.611	0.9778	-0.0094	0.0088	0.9772
679	29.1	29.1	0.8756	2.7327	0.0018	3.6101	0.9781	-0.0182	0.01	0.9698
680	30.3	29.1	0.8744	2.7332	0.0017	3.6093	0.9691	-0.0156	0.0124	0.966
681	27.8	29.1	0.8742	2.7333	0.0015	3.609	0.9579	-0.0101	0.0112	0.959
682	28.8	29.1	0.8732	2.7331	0.0014	3.6077	0.9518	-0.0131	0.0077	0.9464
683	29.9	29	0.872	2.733	0.0017	3.6067	0.945	-0.0145	0.0087	0.9392
684	29.7	29	0.8706	2.7333	0.0016	3.6055	0.9533	-0.0052	0.0142	0.9623
685	29.6	28.9	0.8686	2.734	0.0014	3.604	0.9565	-0.0036	0.017	0.9699
686	29.3	28.9	0.8666	2.7344	0.0013	3.6022	0.9455	-0.0039	0.0205	0.9621
687	27.6	28.8	0.8655	2.7346	0.0012	3.6013	0.9396	0.0049	0.0218	0.9662
688	27.9	28.7	0.8646	2.7342	0.001	3.5998	0.9258	0.005	0.0204	0.9512
689	28.8	28.7	0.8636	2.7337	0.0011	3.5983	0.918	0.0044	0.0177	0.9401
690	28.1	28.7	0.8629	2.7328	0.0006	3.5963	0.9144	0.0019	0.0167	0.933
691	29.1	28.7	0.8617	2.7326	0.0005	3.5948	0.9195	-0.0058	0.0158	0.9295
692	28.5	28.7	0.8608	2.732	0.0004	3.5933	0.926	-0.0097	0.0152	0.9314
693	27.9	28.5	0.8591	2.7321	0.0005	3.5917	0.9352	-0.0124	0.016	0.9388
694	28.5	28.4	0.8576	2.7321	0.0006	3.5903	0.9439	-0.012	0.0122	0.9441

695	28.7	28.2	0.8561	2.7321	0.0005	3.5887	0.9766	-0.0128	0.0145	0.9783
696	28.5	28.1	0.8548	2.732	0.0002	3.587	0.9935	-0.0152	0.012	0.9903
697	27.6	27.9	0.8531	2.7321	0.0001	3.5853	1.0019	-0.0133	0.0141	1.0028
698	28.4	27.8	0.8518	2.7321	0.0001	3.584	1.002	-0.0078	0.018	1.0122
699	29.8	27.6	0.8513	2.7318	0.0003	3.5834	1.0092	-0.0106	0.0195	1.0181
700	29.2	27.5	0.8506	2.7317	0.0005	3.5828	1.0087	-0.0069	0.0204	1.0222
701	28	27.2	0.8502	2.7318	0.0005	3.5825	0.9967	-0.0052	0.0197	1.0113
702	26.6	27.1	0.8492	2.732	0.0006	3.5819	0.9942	-0.0092	0.02	1.0049
703	27.9	27	0.8481	2.7324	0.0011	3.5815	0.9964	-0.008	0.0172	1.0055
704	25.7	27	0.8478	2.7329	0.0014	3.5822	0.9785	-0.0015	0.014	0.991
705	26	26.9	0.8482	2.7325	0.0013	3.582	0.9606	0.0192	0.0145	0.9942
706	25.7	26.9	0.8482	2.7319	0.0013	3.5813	0.9354	0.0256	0.0159	0.9769
707	25.4	26.9	0.8477	2.7314	0.0014	3.5805	0.9356	0.0222	0.0127	0.9705
708	25	26.8	0.8479	2.7312	0.0011	3.5802	0.9223	0.024	0.011	0.9573
709	25	26.7	0.8479	2.7314	0.001	3.5803	0.9012	0.0206	0.0125	0.9343
710	24.8	26.7	0.8477	2.7311	0.001	3.5799	0.8957	0.0198	0.0121	0.9276
711	26.6	26.7	0.8475	2.7314	0.001	3.58	0.8804	0.0247	0.0128	0.9179
712	25.7	26.7	0.8458	2.7328	0.001	3.5796	0.8844	0.0211	0.0117	0.9172
713	27.4	26.5	0.8447	2.7335	0.0012	3.5795	0.8779	0.034	0.0105	0.9223
714	26.8	26.6	0.8436	2.7341	0.0012	3.5789	0.8597	0.0454	0.0098	0.9149
715	28.7	26.7	0.8428	2.7342	0.0012	3.5782	0.8357	0.0481	0.0098	0.8936
716	27.8	26.6	0.8421	2.7342	0.0012	3.5775	0.8087	0.0517	0.009	0.8694
717	27.2	26.6	0.8406	2.7342	0.0014	3.5761	0.8019	0.0512	0.0021	0.8552
718	28.3	26.7	0.8394	2.7342	0.0011	3.5747	0.8021	0.0504	0.0035	0.856
719	28.3	26.7	0.8393	2.7334	0.0009	3.5735	0.8253	0.0541	-0.0364	0.8431
720	27.8	26.7	0.8387	2.7329	0.001	3.5727	0.833	0.0502	-0.0459	0.8373
721	26.3	26.6	0.8379	2.7333	0.0012	3.5723	0.8355	0.04	-0.0407	0.8348
722	25.5	26.6	0.837	2.7334	0.0012	3.5716	0.8337	0.0314	-0.0217	0.8434
723	27.9	26.5	0.8362	2.7335	0.0011	3.5708	0.8305	0.0287	-0.0211	0.8381
724	27	26.4	0.8353	2.7332	0.0009	3.5694	0.8346	0.0259	-0.0227	0.8379
725	24.7	26.3	0.8332	2.7332	0.0006	3.567	0.8409	0.0216	-0.0238	0.8387
726	25.1	26.3	0.8332	2.733	0.0007	3.5669	0.8415	0.0268	-0.0245	0.8439
727	25.7	26.2	0.8328	2.733	0.0004	3.5663	0.8416	0.0252	-0.0223	0.8446
728	26	26.1	0.8325	2.7329	0.0003	3.5658	0.8391	0.0233	-0.0209	0.8415
729	24.6	26	0.8324	2.7328	0.0002	3.5654	0.8314	0.0234	-0.0172	0.8375
730	25.1	25.9	0.8323	2.7328	0.0003	3.5654	0.8315	0.0259	-0.0238	0.8336
731	25.4	26	0.8321	2.7324	0.0006	3.5652	0.8239	0.0321	-0.0223	0.8337

732	25.6	26.1	0.8318	2.7318	0.0007	3.5644	0.8252	0.0323	-0.0215	0.836
733	25.3	26	0.831	2.7319	0.0004	3.5633	0.8165	0.0385	-0.0238	0.8312
734	26.1	25.9	0.8299	2.7324	0.0001	3.5624	0.8142	0.0402	-0.0209	0.8335
735	27.1	25.9	0.829	2.7328	0.0003	3.5621	0.8084	0.0459	-0.0228	0.8314
736	25.7	25.9	0.8282	2.7327	0.0005	3.5613	0.7942	0.0522	-0.0259	0.8206
737	26	25.9	0.8275	2.7326	0.0005	3.5606	0.7708	0.0501	-0.0293	0.7916
738	27.2	25.9	0.8268	2.7326	0.0005	3.5599	0.7584	0.0467	-0.0316	0.7735
739	26.5	25.9	0.826	2.7327	0.0003	3.559	0.7536	0.0375	-0.0317	0.7594
740	27.2	25.9	0.8243	2.7328	0.0002	3.5572	0.7623	0.0195	-0.0292	0.7526
741	26.7	25.8	0.8231	2.7326	0.0001	3.5559	0.7722	0.0056	-0.0382	0.7396
742	26.6	25.7	0.8219	2.732	0.0001	3.5541	0.7634	0.011	-0.0457	0.7287
743	25.8	25.6	0.8198	2.7316	0.0002	3.5517	0.7653	0.0101	-0.0499	0.7255
744	25	25.4	0.817	2.7315	0.0002	3.5487	0.7448	0.0098	-0.052	0.7026
745	24.6	25.2	0.8155	2.732	0.0002	3.5477	0.7254	0.0084	-0.051	0.6828
746	26.2	25	0.8136	2.7327	0.0002	3.5465	0.7128	0.0121	-0.0513	0.6737
747	25.4	24.8	0.8134	2.7327	0	3.5462	0.7088	0.0121	-0.0525	0.6683
748	24.5	24.6	0.8115	2.7333	-0.0001	3.5447	0.7018	0.0124	-0.0499	0.6644
749	24.6	24.4	0.8105	2.7329	-0.0001	3.5433	0.6962	0.0088	-0.0462	0.6588
750	24.6	24.1	0.8107	2.7324	0	3.543	0.7005	0.0046	-0.0394	0.6658
751	23.8	23.9	0.8105	2.7322	-0.0001	3.5425	0.7027	0.0041	-0.0373	0.6695
752	23.7	23.7	0.8101	2.7318	-0.0001	3.5418	0.7042	0.0112	-0.0396	0.6758
753	21.8	23.6	0.8093	2.7315	0	3.5407	0.6979	0.016	-0.0362	0.6777
754	22	23.6	0.8083	2.7311	-0.0001	3.5394	0.6847	0.0182	-0.0324	0.6705
755	22	23.5	0.8082	2.7308	-0.0001	3.5388	0.6864	0.0203	-0.036	0.6707
756	23.5	23.3	0.8075	2.7307	-0.0003	3.5378	0.6864	0.0151	-0.0377	0.6638
757	22.9	23.3	0.8068	2.7308	-0.0005	3.5371	0.6848	0.0071	-0.0395	0.6524
758	22.4	23.3	0.8064	2.7308	-0.0005	3.5367	0.681	-0.0086	-0.04	0.6324
759	22.6	23.3	0.8056	2.7303	-0.0002	3.5357	0.6847	-0.0169	-0.0426	0.6252
760	23.1	23.1	0.8058	2.7304	-0.0003	3.5359	0.6899	-0.0144	-0.0441	0.6313
761	22.6	23.1	0.8045	2.7306	-0.0002	3.5349	0.6947	-0.0172	-0.045	0.6325
762	23.8	23.2	0.8039	2.7301	0.0002	3.5342	0.7015	-0.0154	-0.0433	0.6428
763	23.4	23.3	0.8035	2.7299	0.0006	3.5341	0.7019	-0.0098	-0.042	0.6501
764	23.1	23.5	0.8034	2.73	0.0007	3.5341	0.7047	-0.0078	-0.0429	0.6541
765	23.3	23.5	0.8036	2.73	0.0007	3.5343	0.7053	-0.0052	-0.0424	0.6576
766	24.8	23.5	0.8036	2.7305	0.0011	3.5351	0.7026	-0.0012	-0.0423	0.6591
767	24.6	23.7	0.803	2.7309	0.001	3.535	0.7226	-0.0001	-0.0429	0.6796
768	24.3	23.8	0.7995	2.7304	0.0044	3.5343	0.7181	-0.004	-0.0421	0.672

769	22	23.9	0.7985	2.7305	0.005	3.534	0.7173	-0.0011	-0.046	0.6702
770	22.9	24	0.7983	2.7306	0.005	3.5339	0.7234	-0.0095	-0.0456	0.6684
771	24.7	24	0.7981	2.7306	0.0047	3.5334	0.724	-0.0141	-0.04	0.6699
772	25	23.9	0.798	2.7307	0.0045	3.5331	0.7168	-0.0067	-0.0376	0.6725
773	24.7	23.9	0.7977	2.7303	0.0045	3.5325	0.7138	0.0013	-0.0375	0.6776
774	23.3	23.8	0.7969	2.7302	0.0045	3.5316	0.713	0.0104	-0.0357	0.6877
775	23.7	23.8	0.7955	2.7299	0.0045	3.53	0.7119	0.0116	-0.0355	0.6881
776	25.1	23.7	0.7942	2.7302	0.0044	3.5288	0.6992	0.0125	-0.0379	0.6738
777	25.2	23.6	0.7937	2.7305	0.0041	3.5283	0.6989	0.0158	-0.0358	0.6789
778	25	23.5	0.793	2.7303	0.004	3.5272	0.6954	0.0134	-0.0376	0.6712
779	24.8	23.4	0.7924	2.7301	0.0042	3.5267	0.6904	0.0132	-0.038	0.6656
780	23.2	23.4	0.792	2.73	0.0039	3.5259	0.6985	0.0105	-0.0382	0.6708
781	21.6	23.3	0.7917	2.73	0.0036	3.5254	0.7033	0.0114	-0.0339	0.6808
782	23	23.1	0.7915	2.7293	0.0038	3.5246	0.7024	0.0054	-0.0284	0.6793
783	21.9	22.9	0.7905	2.729	0.0038	3.5234	0.7005	-0.0048	-0.027	0.6687
784	22.7	22.9	0.7897	2.7287	0.0039	3.5223	0.6982	0.0006	-0.0299	0.6689
785	22.6	22.8	0.7892	2.7288	0.004	3.5219	0.6958	0.0117	-0.0323	0.6752
786	22.6	22.6	0.7895	2.7294	0.0042	3.5231	0.6914	0.0194	-0.0298	0.681
787	22	22.3	0.7897	2.7299	0.0044	3.5239	0.6852	0.0179	-0.0249	0.6783
788	21.5	22.1	0.7892	2.7305	0.0041	3.5238	0.6781	0.0139	-0.0279	0.664
789	22.2	21.9	0.7874	2.7317	0.004	3.5231	0.6732	0.0149	-0.0284	0.6597
790	22.1	21.7	0.7857	2.7323	0.0044	3.5224	0.6691	0.0183	-0.027	0.6604
791	21.7	21.6	0.7854	2.7314	0.0051	3.5219	0.6564	0.0179	-0.028	0.6463
792	21.5	21.4	0.7843	2.731	0.0054	3.5207	0.6456	0.0177	-0.0285	0.6348
793	22.2	21.4	0.7847	2.7311	0.0057	3.5215	0.6398	0.0082	-0.0291	0.6189
794	22	21.3	0.7851	2.7312	0.0057	3.522	0.6246	0.0044	-0.0281	0.6009
795	21.3	21.2	0.7848	2.7309	0.0057	3.5214	0.6041	0.0027	-0.0258	0.581
796	20.4	21.1	0.7839	2.7308	0.0055	3.5202	0.5926	0.0024	-0.0267	0.5684
797	20.6	21.1	0.7829	2.7309	0.0051	3.5189	0.5802	0.0074	-0.0271	0.5605
798	20.4	21.1	0.7822	2.7312	0.0047	3.5181	0.5855	0.0112	-0.027	0.5697
799	19.8	21	0.7812	2.7314	0.0042	3.5168	0.5716	0.0212	-0.0246	0.5682
800	19.7	21	0.7803	2.7313	0.0042	3.5158	0.5658	0.0199	-0.0221	0.5636
801	19.6	21	0.7798	2.7307	0.0045	3.5149	0.5712	0.0212	-0.0213	0.5711
802	21	21	0.7794	2.7304	0.0042	3.5141	0.5664	0.0273	-0.0228	0.5709
803	21.6	21	0.7796	2.7306	0.0043	3.5145	0.5601	0.0269	-0.0239	0.5631
804	20.3	21	0.7792	2.7309	0.005	3.5151	0.5536	0.021	-0.0234	0.5512
805	20.9	20.9	0.7795	2.731	0.0051	3.5156	0.5504	0.0163	-0.0248	0.5419

806	21.9	21	0.7797	2.7312	0.0052	3.5161	0.5497	0.0156	-0.0264	0.5389
807	21.8	21	0.7796	2.7323	0.0054	3.5173	0.547	0.0107	-0.026	0.5318
808	20.9	21	0.7795	2.7329	0.0054	3.5177	0.5404	0.0166	-0.0296	0.5274
809	21.2	21.2	0.7789	2.7329	0.0054	3.5172	0.5431	0.0215	-0.0331	0.5315
810	22.2	21.3	0.7782	2.7328	0.0055	3.5166	0.5485	0.015	-0.0351	0.5283
811	22	21.4	0.7774	2.733	0.0053	3.5157	0.5604	0.0123	-0.0455	0.5273
812	21.9	21.4	0.7756	2.7338	0.0052	3.5146	0.5532	0.0171	-0.0518	0.5185
813	20.8	21.5	0.7743	2.7343	0.0055	3.5141	0.5509	0.0134	-0.0517	0.5126
814	20.7	21.6	0.773	2.7346	0.0054	3.5131	0.549	0.0063	-0.0497	0.5057
815	22	21.7	0.7725	2.7343	0.0054	3.5123	0.5499	-0.0034	-0.0504	0.4961
816	20.9	21.8	0.7698	2.7342	0.0055	3.5095	0.5584	-0.0082	-0.051	0.4992
817	20.6	21.8	0.7687	2.7346	0.0056	3.5089	0.5632	0.0026	-0.0474	0.5184
818	22.7	21.9	0.7677	2.7343	0.0057	3.5077	0.5637	0.0097	-0.0474	0.526
819	21.8	22.1	0.7669	2.7343	0.0054	3.5067	0.5308	-0.0039	-0.0123	0.5145
820	21.6	22	0.7663	2.7343	0.005	3.5057	0.5286	-0.0089	-0.0041	0.5156
821	21.6	21.9	0.7662	2.734	0.0049	3.5051	0.5445	-0.011	-0.0003	0.5333
822	22.4	21.9	0.7656	2.7333	0.005	3.5038	0.5637	-0.0085	-0.0012	0.554
823	22.7	21.9	0.7649	2.7325	0.0047	3.5021	0.5762	-0.0043	-0.0026	0.5692
824	22.7	21.9	0.7641	2.732	0.0044	3.5006	0.5868	-0.0074	-0.0004	0.5789
825	22.8	21.8	0.7633	2.7319	0.0044	3.4996	0.5907	-0.0031	0.0029	0.5905
826	23.1	21.8	0.7633	2.7314	0.0042	3.499	0.5784	-0.0117	0.0044	0.5711
827	23	21.8	0.7633	2.7317	0.0042	3.4992	0.5681	-0.006	0.005	0.567
828	23.4	21.6	0.7635	2.7316	0.0041	3.4992	0.5663	-0.0022	-0.0019	0.5622
829	20.7	21.6	0.7626	2.7318	0.004	3.4983	0.5495	-0.001	-0.0048	0.5437
830	21.4	21.5	0.762	2.7317	0.0037	3.4974	0.5317	-0.0098	-0.003	0.5188
831	20.9	21.4	0.7619	2.7319	0.0035	3.4972	0.518	-0.006	-0.0086	0.5034
832	20.5	21.2	0.7618	2.7323	0.0034	3.4975	0.5049	-0.0088	-0.0124	0.4836
833	21.2	21	0.7611	2.7319	0.0034	3.4964	0.4993	-0.0229	-0.011	0.4653
834	20.8	20.9	0.7603	2.7312	0.0034	3.4948	0.486	-0.0348	-0.0147	0.4365
835	20.2	20.7	0.7599	2.7309	0.0033	3.494	0.4762	-0.0363	-0.0173	0.4226
836	20	20.5	0.7596	2.7309	0.003	3.4935	0.4722	-0.0347	-0.0187	0.4189
837	20	20.4	0.7597	2.7312	0.0033	3.4942	0.4941	-0.0311	-0.0161	0.4469
838	20.5	20.2	0.7594	2.7311	0.0033	3.4939	0.5089	-0.0296	-0.0172	0.4622
839	19.8	20.2	0.759	2.7308	0.003	3.4929	0.502	-0.0274	-0.0227	0.4519
840	19.8	20.1	0.7586	2.731	0.003	3.4926	0.4732	-0.0212	-0.0239	0.4281
841	19.6	20	0.7586	2.7308	0.003	3.4924	0.4538	-0.0201	-0.0183	0.4154
842	18.7	19.9	0.758	2.7312	0.003	3.4922	0.4544	-0.036	-0.0106	0.4077

843	20.1	19.8	0.7573	2.7312	0.003	3.4916	0.4457	-0.0455	-0.0075	0.3926
844	19.2	19.7	0.7565	2.7312	0.0028	3.4906	0.4515	-0.0458	-0.0021	0.4036
845	19.7	19.6	0.7562	2.7318	0.0029	3.4908	0.4586	-0.0432	0	0.4154
846	20.5	19.6	0.7556	2.7319	0.0029	3.4904	0.4678	-0.0463	-0.0003	0.4213
847	20.5	19.5	0.7549	2.7316	0.0027	3.4892	0.4752	-0.0451	-0.0032	0.4269
848	19.6	19.4	0.7544	2.7311	0.0024	3.4879	0.4782	-0.0406	-0.0056	0.432
849	19.6	19.3	0.7539	2.7309	0.0021	3.4869	0.4869	-0.0359	-0.0081	0.4428
850	19	19.2	0.7535	2.7303	0.0021	3.4859	0.4888	-0.0372	-0.011	0.4405
851	19.1	19.1	0.7538	2.7294	0.0022	3.4854	0.492	-0.0374	-0.0108	0.4438
852	18.7	19.1	0.7541	2.7291	0.0023	3.4855	0.5104	-0.0469	-0.0077	0.4559
853	20.2	19.1	0.7539	2.7294	0.0023	3.4856	0.5235	-0.0531	-0.0112	0.4593
854	18.4	19.1	0.7533	2.7295	0.0024	3.4852	0.5452	-0.0549	-0.0129	0.4774
855	19.2	19	0.7532	2.7292	0.0025	3.4849	0.549	-0.052	-0.007	0.49
856	18.5	18.9	0.7527	2.7296	0.0022	3.4846	0.5548	-0.0489	-0.0059	0.5
857	17.8	18.7	0.7528	2.7291	0.0025	3.4844	0.5648	-0.0462	-0.0034	0.5153
858	17.8	18.6	0.7521	2.7286	0.0028	3.4835	0.5738	-0.0328	0.0019	0.543
859	18.4	18.5	0.7508	2.7288	0.0033	3.4829	0.5763	-0.0296	0.006	0.5526
860	18.6	18.4	0.7497	2.7291	0.0043	3.4831	0.5738	-0.0274	0.0105	0.5568
861	18.2	18.4	0.7492	2.7289	0.005	3.4831	0.5754	-0.0235	0.012	0.5639
862	19.3	18.3	0.7488	2.7288	0.0053	3.4829	0.5729	-0.0138	0.0124	0.5715
863	19.2	18.2	0.7486	2.7293	0.0056	3.4835	0.556	-0.0008	0.0123	0.5676
864	17.7	18.1	0.7484	2.7303	0.0057	3.4844	0.5447	0.0079	0.0178	0.5704
865	18.4	18.1	0.7478	2.7308	0.0058	3.4844	0.5431	0.0137	0.0217	0.5785
866	17.9	18.1	0.7472	2.7302	0.0058	3.4833	0.5394	0.0115	0.0261	0.5769
867	17.2	18	0.7467	2.73	0.0058	3.4824	0.5164	0.009	0.03	0.5554
868	18.2	18	0.7464	2.7308	0.0057	3.4828	0.5095	0.0136	0.0322	0.5553
869	17.3	17.9	0.7456	2.7314	0.0054	3.4824	0.4991	0.0174	0.0337	0.5503
870	17.6	17.8	0.7438	2.7317	0.005	3.4805	0.4967	0.0202	0.0312	0.5481
871	17.8	17.8	0.7417	2.7315	0.0048	3.478	0.4946	0.0221	0.0257	0.5424
872	17.4	17.7	0.7404	2.7311	0.0048	3.4762	0.4957	0.0206	0.0272	0.5435
873	17.6	17.5	0.739	2.7311	0.0045	3.4746	0.4901	0.0169	0.0296	0.5366
874	18.3	17.5	0.7378	2.7305	0.0042	3.4726	0.4783	0.0182	0.0307	0.5272
875	18.6	17.4	0.7377	2.7311	0.0041	3.4729	0.4716	0.0112	0.0284	0.5111
876	16.9	17.3	0.7374	2.7308	0.0039	3.4721	0.4655	0.0118	0.032	0.5093
877	17.1	17.3	0.7371	2.7308	0.0043	3.4721	0.4644	0.0143	0.0308	0.5095
878	17.4	17.3	0.738	2.7304	0.0045	3.4729	0.4573	0.0167	0.0296	0.5036
879	16.8	17.3	0.7393	2.7311	0.0045	3.4749	0.4664	0.0129	0.0254	0.5047

880	17.1	17.2	0.7402	2.7306	0.0048	3.4756	0.4627	0.0133	0.0222	0.4981
881	17.2	17.1	0.7412	2.7309	0.0049	3.477	0.4507	0.0083	0.0172	0.4762
882	16.4	17.1	0.7416	2.7316	0.0049	3.4781	0.4497	0.0062	0.0131	0.4689
883	16.6	17.1	0.7419	2.7325	0.0053	3.4797	0.4481	0.0091	0.012	0.4692
884	17.2	17	0.7421	2.7323	0.0056	3.4801	0.4425	0.0019	0.0086	0.453
885	16.8	16.9	0.7419	2.7323	0.0059	3.4801	0.4395	-0.0038	0.0065	0.4423
886	16.6	16.9	0.7401	2.7325	0.0058	3.4784	0.4404	-0.0066	0.0054	0.4392
887	18	16.9	0.7388	2.7329	0.0061	3.4777	0.4413	-0.0113	0	0.4301
888	17.2	16.9	0.739	2.7332	0.0064	3.4786	0.4429	-0.01	0.0009	0.4338
889	16	16.9	0.74	2.7338	0.0064	3.4803	0.4444	-0.0141	0.0012	0.4314
890	16.5	17	0.7403	2.7343	0.0063	3.4808	0.443	-0.0181	-0.0017	0.4232
891	16.6	17	0.74	2.7351	0.0061	3.4812	0.4392	-0.0226	-0.0007	0.416
892	17.2	17.1	0.7397	2.7356	0.0062	3.4815	0.4366	-0.0301	0	0.4065
893	17.1	17.1	0.7395	2.7357	0.0059	3.4811	0.4287	-0.027	-0.0007	0.401
894	16.8	17.2	0.7392	2.7355	0.0057	3.4805	0.4251	-0.0281	-0.0005	0.3965
895	16.5	17.3	0.738	2.7355	0.0057	3.4792	0.4175	-0.0326	-0.004	0.3809
896	16.7	17.3	0.7364	2.7354	0.0058	3.4775	0.4265	-0.0335	-0.0033	0.3897
897	17.2	17.2	0.7351	2.735	0.0056	3.4757	0.4295	-0.0343	-0.0026	0.3926
898	18.1	17.1	0.7335	2.7348	0.0055	3.4738	0.4339	-0.035	-0.0028	0.3961
899	17.3	17.2	0.7324	2.7351	0.0053	3.4727	0.4279	-0.0399	-0.0054	0.3826
900	18.1	17.1	0.7311	2.735	0.0053	3.4714	0.4232	-0.0419	-0.0069	0.3744
901	17.6	17.1	0.7287	2.7354	0.0052	3.4693	0.4286	-0.0447	-0.0051	0.3789
902	18.2	17	0.7271	2.7357	0.0054	3.4682	0.4368	-0.0506	-0.0003	0.3859
903	18.2	17	0.7251	2.7361	0.0056	3.4667	0.4395	-0.0502	0.0029	0.3923
904	18.2	17	0.7243	2.7361	0.0057	3.4661	0.4387	-0.049	0.0067	0.3965
905	16.7	17	0.724	2.7359	0.0057	3.4656	0.4338	-0.0411	0.0124	0.4052
906	16.1	17	0.7232	2.7358	0.0056	3.4646	0.4321	-0.0439	0.0153	0.4035
907	16.1	16.9	0.7222	2.7356	0.0052	3.463	0.4265	-0.0437	0.0135	0.3963
908	17	16.8	0.7218	2.7358	0.0048	3.4624	0.4272	-0.0437	0.0183	0.4018
909	15.6	16.7	0.7215	2.7356	0.0043	3.4615	0.422	-0.048	0.018	0.392
910	15.8	16.6	0.7207	2.7352	0.0043	3.4602	0.4094	-0.044	0.0218	0.3871
911	16.5	16.5	0.7201	2.7344	0.0041	3.4585	0.3988	-0.0425	0.0303	0.3866
912	16.8	16.4	0.72	2.7339	0.004	3.4578	0.3964	-0.0495	0.0366	0.3835
913	16.5	16.2	0.7198	2.7335	0.0037	3.457	0.394	-0.0512	0.0398	0.3827
914	16.2	16.1	0.7187	2.7333	0.0033	3.4553	0.3981	-0.0437	0.0433	0.3977
915	16.3	16	0.7186	2.7332	0.0028	3.4546	0.3998	-0.0298	0.0449	0.4149
916	16.4	16	0.7182	2.7333	0.0025	3.454	0.3923	-0.0241	0.0468	0.4149

917	15.9	15.9	0.7178	2.7332	0.0024	3.4534	0.3899	-0.0278	0.0461	0.4082
918	15.8	15.8	0.7178	2.7326	0.0023	3.4527	0.3923	-0.0362	0.0458	0.402
919	15.6	15.8	0.7173	2.7323	0.0023	3.4519	0.395	-0.0222	0.0448	0.4176
920	16.1	15.7	0.7168	2.7321	0.0025	3.4514	0.3917	-0.0146	0.0426	0.4197
921	16.1	15.7	0.7166	2.7319	0.0022	3.4507	0.3868	-0.0138	0.0354	0.4083
922	15	15.6	0.7166	2.7316	0.002	3.4502	0.3724	-0.0152	0.0309	0.3881
923	15.5	15.5	0.7171	2.7306	0.0016	3.4493	0.3636	-0.0189	0.0306	0.3753
924	15.2	15.4	0.717	2.7309	0.0016	3.4495	0.3514	-0.0188	0.0281	0.3607
925	16	15.3	0.7167	2.7307	0.0012	3.4487	0.3468	-0.0242	0.026	0.3486
926	14.6	15.3	0.7169	2.73	0.0012	3.448	0.354	-0.0175	0.0251	0.3616
927	14.6	15.2	0.7176	2.73	0.0012	3.4488	0.3508	-0.0245	0.023	0.3493
928	14.8	15.2	0.7169	2.7303	0.0016	3.4487	0.3569	-0.0264	0.028	0.3585
929	15.2	15.2	0.7163	2.7305	0.0018	3.4485	0.3682	-0.0349	0.0317	0.365
930	15.3	15.1	0.7169	2.7309	0.0019	3.4497	0.3695	-0.025	0.0327	0.3772
931	15.3	15	0.7169	2.7313	0.0022	3.4504	0.3717	-0.029	0.0341	0.3768
932	14.5	15	0.717	2.7314	0.0022	3.4506	0.3796	-0.0251	0.0376	0.3921
933	14.7	15	0.7169	2.7317	0.0025	3.4511	0.3832	-0.0164	0.0374	0.4042
934	14.8	14.9	0.7163	2.7316	0.0027	3.4506	0.3842	-0.0069	0.04	0.4173
935	15	14.9	0.7158	2.7315	0.0027	3.4501	0.3908	-0.0099	0.0433	0.4242
936	15.6	14.9	0.7155	2.732	0.003	3.4505	0.3904	-0.0145	0.0461	0.422
937	15	14.9	0.7154	2.7322	0.0032	3.4508	0.3685	-0.0121	0.0461	0.4026
938	15.2	14.9	0.715	2.7325	0.0032	3.4508	0.3537	-0.0093	0.0495	0.3938
939	14.8	15	0.7147	2.7326	0.0032	3.4506	0.3563	-0.0068	0.0538	0.4032
940	14.3	15	0.7147	2.7332	0.0031	3.451	0.3733	-0.0007	0.0547	0.4274
941	14.6	14.9	0.7149	2.7338	0.003	3.4517	0.3846	0.0019	0.0526	0.4391
942	14.7	14.9	0.7151	2.7339	0.0031	3.4521	0.3919	0.0085	0.0523	0.4527
943	14.7	15	0.7148	2.734	0.0031	3.4519	0.3974	0.0119	0.0527	0.4621
944	15.5	15	0.7148	2.7345	0.0032	3.4525	0.3971	0.0177	0.0509	0.4657
945	14.7	14.9	0.7135	2.7351	0.0032	3.4519	0.406	0.0245	0.0489	0.4794
946	15	14.9	0.7126	2.7354	0.0032	3.4512	0.4059	0.0306	0.0522	0.4887
947	15	14.9	0.7115	2.7351	0.003	3.4496	0.3996	0.032	0.0543	0.4859
948	15.6	14.9	0.7116	2.7351	0.0029	3.4496	0.3974	0.0275	0.0546	0.4795
949	15.2	14.9	0.7116	2.7351	0.0028	3.4495	0.3922	0.0257	0.057	0.475
950	14.9	15	0.7107	2.7348	0.0026	3.448	0.3778	0.0334	0.0567	0.468
951	14.7	15	0.7102	2.7345	0.0022	3.4469	0.3541	0.0368	0.0585	0.4494
952	15	15	0.7101	2.7341	0.002	3.4463	0.3248	0.0416	0.0573	0.4236
953	14.7	15	0.71	2.7343	0.0016	3.446	0.303	0.0482	0.0586	0.4098

954	14.5	15	0.7099	2.7336	0.0012	3.4447	0.2866	0.0477	0.0655	0.3998
955	14.8	15	0.71	2.7336	0.001	3.4446	0.2781	0.0474	0.0642	0.3896
956	15.6	15	0.7101	2.734	0.0009	3.445	0.2741	0.0487	0.064	0.3867
957	14.7	14.9	0.7101	2.7335	0.0006	3.4442	0.262	0.0561	0.0587	0.3768
958	15.9	14.9	0.7099	2.7334	0.001	3.4443	0.2548	0.0603	0.0553	0.3703
959	15.4	14.8	0.7099	2.7332	0.0011	3.4442	0.258	0.0638	0.0532	0.375
960	14.7	14.8	0.7099	2.7334	0.0012	3.4445	0.2595	0.0599	0.0484	0.3677
961	14.8	14.8	0.7096	2.7338	0.0013	3.4447	0.2568	0.0534	0.046	0.3561
962	15.1	14.7	0.7094	2.7339	0.0013	3.4446	0.2552	0.0446	0.0369	0.3367
963	14.3	14.7	0.7088	2.7337	0.0012	3.4437	0.246	0.0437	0.0345	0.3242
964	14.4	14.8	0.7084	2.7333	0.0012	3.4429	0.231	0.0422	0.032	0.3052
965	15.3	14.7	0.7086	2.7332	0.0011	3.4429	0.2105	0.0279	0.0277	0.2661
966	14.2	14.7	0.7082	2.733	0.0012	3.4425	0.2107	0.0254	0.0238	0.2599
967	14.7	14.7	0.7074	2.7336	0.0012	3.4422	0.2149	0.0313	0.0197	0.2659
968	14.3	14.6	0.7069	2.733	0.0012	3.4411	0.2173	0.0327	0.0161	0.2661
969	14.3	14.6	0.7065	2.7328	0.0011	3.4405	0.223	0.0276	0.0147	0.2653
970	14	14.5	0.7052	2.7331	0.0015	3.4397	0.2233	0.0216	0.0159	0.2608
971	14.3	14.5	0.7045	2.733	0.0017	3.4392	0.2275	0.0163	0.0142	0.258
972	14.7	14.5	0.704	2.733	0.0017	3.4387	0.2329	0.0128	0.0123	0.258
973	14.8	14.5	0.7039	2.733	0.0017	3.4385	0.2374	-0.0002	0.0096	0.2468
974	14.7	14.5	0.7031	2.733	0.0016	3.4377	0.2476	-0.0159	0.0066	0.2383
975	14.2	14.4	0.7023	2.7329	0.0016	3.4368	0.2484	-0.0269	0.0095	0.2309
976	14.5	14.4	0.7023	2.7333	0.0016	3.4372	0.2464	-0.0378	0.0078	0.2164
977	14.8	14.3	0.7014	2.7334	0.0015	3.4363	0.2509	-0.0461	0.0037	0.2085
978	14.7	14.3	0.7012	2.7339	0.0013	3.4364	0.2609	-0.0433	-0.0028	0.2148
979	14.2	14.3	0.7023	2.7336	0.0012	3.4371	0.2556	-0.0432	-0.002	0.2104
980	14.3	14.3	0.703	2.7335	0.0014	3.4379	0.2562	-0.0449	0.0027	0.214
981	14.2	14.3	0.7033	2.7334	0.0011	3.4378	0.2622	-0.0463	0.0085	0.2243
982	14.6	14.3	0.7033	2.7332	0.0012	3.4376	0.2607	-0.0453	0.0131	0.2285
983	14.1	14.3	0.7035	2.7332	0.0013	3.438	0.2685	-0.0441	0.0145	0.2389
984	13.8	14.3	0.703	2.7333	0.0013	3.4376	0.2715	-0.0364	0.0186	0.2538
985	13.6	14.2	0.7029	2.7337	0.0012	3.4379	0.2631	-0.0338	0.0217	0.2509
986	13.8	14.2	0.7032	2.7337	0.0012	3.4381	0.2626	-0.0284	0.0216	0.2558
987	13.5	14.2	0.7034	2.7338	0.0011	3.4383	0.2644	-0.0242	0.0255	0.2657
988	14.3	14.1	0.7034	2.7339	0.001	3.4383	0.2667	-0.0238	0.0289	0.2718
989	15	14.1	0.7027	2.7339	0.0009	3.4375	0.2761	-0.0235	0.0299	0.2825
990	14.4	14.1	0.7019	2.7341	0.001	3.4369	0.2735	-0.0194	0.0271	0.2812

991	14.4	14.1	0.7008	2.7342	0.0009	3.4359	0.2822	-0.0122	0.0269	0.2969
992	14.1	14.1	0.7	2.7344	0.0009	3.4353	0.2858	-0.0045	0.0265	0.3077
993	14.3	14.1	0.6998	2.7339	0.0008	3.4345	0.2888	-0.0019	0.0262	0.3131
994	14	14.1	0.6986	2.7331	0.0008	3.4325	0.285	0.0009	0.0274	0.3133
995	13.9	14.1	0.6974	2.7324	0.0005	3.4304	0.2846	0.0044	0.0295	0.3184
996	13.8	14.1	0.6964	2.7322	0.0003	3.4289	0.2783	0.008	0.0318	0.3181
997	13.7	14.1	0.6953	2.7322	0.0002	3.4277	0.2856	0.0103	0.0313	0.3273
998	14.1	14	0.6943	2.7322	-0.0002	3.4263	0.2864	0.0032	0.028	0.3176
999	14.4	13.9	0.6946	2.7318	-0.0004	3.4259	0.2924	0.0023	0.0297	0.3244
1000	14.5	13.9	0.6957	2.7314	-0.0006	3.4265	0.2957	0.0019	0.0332	0.3308
1001	15	13.8	0.6963	2.7312	-0.0005	3.427	0.2848	-0.0005	0.0319	0.3162
1002	13.4	13.7	0.6968	2.7309	-0.0005	3.4272	0.2802	-0.0045	0.025	0.3008
1003	13.2	13.7	0.6964	2.7313	-0.001	3.4267	0.2861	-0.0092	0.022	0.2989
1004	14.2	13.6	0.6965	2.7314	-0.0007	3.4272	0.2946	-0.004	0.0193	0.3098
1005	13.6	13.5	0.6966	2.731	-0.0007	3.427	0.297	-0.006	0.0176	0.3086
1006	12.8	13.5	0.697	2.7302	-0.0003	3.4269	0.2979	-0.0006	0.0176	0.3149
1007	13.4	13.5	0.6967	2.7296	-0.0003	3.426	0.2956	0.0123	0.017	0.3249
1008	13.7	13.4	0.696	2.7294	-0.0005	3.4249	0.2851	0.0137	0.0123	0.3111
1009	13.3	13.4	0.6956	2.7296	-0.0005	3.4247	0.275	0.0167	0.0137	0.3054
1010	12.7	13.3	0.695	2.7299	-0.0003	3.4246	0.2718	0.015	0.0134	0.3003
1011	12.6	13.3	0.6946	2.7299	0.0004	3.4249	0.2716	0.0178	0.0134	0.3027
1012	13.4	13.3	0.6954	2.7295	0.0005	3.4254	0.2696	0.0214	0.0114	0.3023
1013	12.5	13.2	0.6967	2.7293	0.0005	3.4265	0.2679	0.0239	0.0097	0.3016
1014	12.6	13.2	0.6977	2.7305	0.0005	3.4287	0.2627	0.0204	0.0104	0.2934
1015	13.1	13.1	0.6975	2.7307	0.0004	3.4286	0.2628	0.0103	0.0103	0.2833
1016	13.3	13.2	0.6967	2.7302	0.0005	3.4274	0.268	0.0088	0.0098	0.2866
1017	13.8	13.2	0.6961	2.7299	0.0008	3.4268	0.2668	0.0045	0.0103	0.2816
1018	13.2	13.1	0.6955	2.7298	0.0008	3.4261	0.2592	0.0028	0.0115	0.2735
1019	13.6	13.2	0.6949	2.7301	0.0007	3.4258	0.2522	-0.0019	0.0107	0.2611
1020	13.7	13.2	0.6941	2.7305	0.0011	3.4256	0.2457	-0.0047	0.0095	0.2505
1021	13.3	13.3	0.6933	2.7306	0.001	3.4249	0.2284	-0.004	0.0111	0.2355
1022	12.8	13.3	0.6929	2.7316	0.001	3.4255	0.2225	-0.0068	0.0103	0.226
1023	12.9	13.3	0.6923	2.7322	0.001	3.4255	0.218	-0.0022	0.009	0.2248
1024	12.9	13.3	0.6921	2.7336	0.0007	3.4264	0.2092	-0.0048	0.0051	0.2096
1025	13.5	13.4	0.6921	2.7345	0.0004	3.4271	0.1964	-0.0086	0.0056	0.1934
1026	13.7	13.3	0.6918	2.7346	0.0008	3.4272	0.1785	-0.0106	0.006	0.1739
1027	12.9	13.3	0.6915	2.7343	0.0015	3.4273	0.178	-0.0067	0.0067	0.1779

1028	13.9	13.3	0.6913	2.7346	0.0018	3.4277	0.1722	-0.0044	0.0093	0.1771
1029	13.6	13.3	0.6907	2.735	0.0015	3.4271	0.1755	0.0003	0.0111	0.1869
1030	13.3	13.3	0.6907	2.7355	0.0011	3.4273	0.19	-0.0003	0.0087	0.1985
1031	13.1	13.3	0.6909	2.7358	0.0009	3.4275	0.2078	0.0047	0.0086	0.2211
1032	13.3	13.4	0.6901	2.7358	0.0007	3.4267	0.2184	0.0079	0.0075	0.2338
1033	13.5	13.5	0.6897	2.7353	0.0006	3.4257	0.2258	0.0026	0.0112	0.2395
1034	13.3	13.6	0.69	2.735	0.0005	3.4255	0.2357	-0.0003	0.0139	0.2494
1035	13.1	13.6	0.6896	2.7344	0.0006	3.4245	0.2374	0.0053	0.014	0.2567
1036	13.4	13.5	0.6891	2.7345	0.0004	3.4239	0.2463	0.0151	0.0156	0.2771
1037	13.5	13.6	0.6887	2.7346	0.0003	3.4236	0.2516	0.0068	0.016	0.2743
1038	13.4	13.6	0.6874	2.7349	0.0002	3.4225	0.2498	0.0091	0.0161	0.275
1039	13.1	13.5	0.6874	2.7346	0.0005	3.4225	0.2517	0.0154	0.0165	0.2836
1040	14.3	13.5	0.6865	2.7345	0.0004	3.4213	0.2428	0.0182	0.0146	0.2757
1041	13.9	13.5	0.6863	2.7343	0.0004	3.421	0.2336	0.0146	0.0159	0.2642
1042	14.3	13.5	0.6862	2.7341	0.0005	3.4208	0.227	0.0124	0.0156	0.255
1043	14.7	13.4	0.6863	2.7339	0.0004	3.4206	0.2253	0.0137	0.0145	0.2534
1044	13.5	13.4	0.6863	2.7341	0.0002	3.4206	0.2289	0.0005	0.0116	0.241
1045	13.4	13.5	0.6857	2.7343	0	3.42	0.2155	-0.002	0.012	0.2255
1046	13.5	13.5	0.6841	2.7343	0	3.4184	0.2013	-0.0114	0.0098	0.1997
1047	13.4	13.4	0.6829	2.7348	0.0002	3.4178	0.1912	-0.0159	0.0094	0.1848
1048	12.9	13.5	0.6823	2.7349	-0.0001	3.4172	0.1812	-0.0232	0.007	0.1649
1049	13.2	13.5	0.682	2.7349	-0.0005	3.4164	0.17	-0.0245	0.0045	0.1501
1050	12.5	13.4	0.6822	2.7348	-0.0006	3.4164	0.1737	-0.0267	0.0009	0.1479
1051	12.9	13.4	0.6821	2.7349	-0.0003	3.4168	0.1851	-0.0314	-0.0029	0.1508
1052	13	13.4	0.6815	2.735	-0.0002	3.4164	0.1872	-0.0274	-0.0061	0.1537
1053	13.2	13.3	0.6806	2.7347	-0.0003	3.415	0.1872	-0.0297	-0.0086	0.1489
1054	13.6	13.3	0.6802	2.7342	-0.0006	3.4138	0.1748	-0.0276	-0.0124	0.1348
1055	13.3	13.3	0.6802	2.7336	-0.0008	3.4131	0.1757	-0.0281	-0.0099	0.1377
1056	13.3	13.2	0.6805	2.7328	-0.0008	3.4125	0.1842	-0.0377	-0.0116	0.1348
1057	14.1	13.3	0.6816	2.7321	-0.0006	3.4131	0.1899	-0.0527	-0.0089	0.1283
1058	13	13.3	0.6824	2.7318	-0.0003	3.4138	0.1874	-0.0574	-0.0091	0.1208
1059	13.3	13.2	0.6827	2.7317	-0.0002	3.4142	0.1911	-0.0619	-0.0065	0.1228
1060	13.6	13.3	0.6827	2.7316	-0.0001	3.4142	0.1953	-0.0636	-0.0062	0.1255
1061	13.7	13.2	0.6826	2.7317	0.0002	3.4145	0.192	-0.0603	-0.0052	0.1265
1062	13.1	13.2	0.6826	2.7315	0.0004	3.4145	0.1894	-0.056	0.0014	0.1348
1063	12.9	13.2	0.6825	2.7316	0.0002	3.4144	0.206	-0.0569	0.0032	0.1522
1064	13.3	13.2	0.6822	2.7323	0.0002	3.4146	0.2248	-0.0569	0.0025	0.1704

1065	13.5	13.1	0.6818	2.7323	0.0001	3.4142	0.239	-0.0463	0.0015	0.1942
1066	13.6	13.1	0.6816	2.7326	0.0002	3.4143	0.2424	-0.0485	0.0013	0.1952
1067	13.4	13	0.6815	2.7333	0	3.4149	0.2346	-0.054	0.004	0.1847
1068	12.7	13	0.6817	2.7332	0.0001	3.415	0.23	-0.054	0.0083	0.1843
1069	12.6	13	0.6819	2.7333	0.0002	3.4154	0.2291	-0.0525	0.0093	0.1859
1070	12.6	12.9	0.6823	2.7335	0.0004	3.4162	0.2298	-0.0495	0.0081	0.1884
1071	12.3	12.9	0.6822	2.7337	0.0007	3.4166	0.2249	-0.043	0.0125	0.1944
1072	12.9	12.9	0.6822	2.7332	0.0008	3.4162	0.2152	-0.042	0.0137	0.1868
1073	13.2	12.9	0.6829	2.7334	0.0012	3.4175	0.2097	-0.0254	0.0118	0.1961
1074	12.5	12.9	0.6835	2.7338	0.0011	3.4184	0.2048	-0.0202	0.0077	0.1923
1075	12.4	12.9	0.6844	2.7339	0.001	3.4194	0.2038	-0.0065	0.0025	0.1999
1076	12.2	12.9	0.6845	2.7339	0.0009	3.4194	0.2038	-0.0011	-0.0002	0.2025
1077	12.8	12.9	0.6841	2.7338	0.0006	3.4186	0.2054	-0.002	0.003	0.2064
1078	13.4	12.9	0.6836	2.7338	0.0002	3.4177	0.2054	-0.0081	0.0108	0.2081
1079	13.1	12.9	0.6833	2.7336	0.0003	3.4173	0.2062	-0.008	0.0157	0.2138
1080	13	13	0.6823	2.733	0.0005	3.4158	0.2025	-0.0076	0.0147	0.2095
1081	12.5	13	0.6814	2.7326	0.0003	3.4144	0.1982	-0.007	0.011	0.2023
1082	13.3	13	0.6807	2.7329	0	3.4137	0.188	-0.0096	0.0095	0.1878
1083	12.8	13	0.6799	2.7332	-0.0001	3.413	0.1668	-0.0158	0.0075	0.1585
1084	13.3	13	0.6793	2.7328	-0.0001	3.412	0.1584	-0.0206	0.0074	0.1452
1085	13.4	13	0.6783	2.7322	-0.0003	3.4102	0.1609	-0.0233	0.0064	0.1441
1086	13.6	13.1	0.6781	2.733	-0.0004	3.4107	0.1606	-0.0292	0.0076	0.139
1087	12.8	13.1	0.6784	2.7329	-0.0005	3.4108	0.1617	-0.0318	0.0059	0.1359
1088	13.5	13	0.6782	2.7324	-0.0006	3.41	0.165	-0.03	0.0075	0.1426
1089	13.6	13	0.6784	2.7321	-0.0005	3.41	0.1563	-0.0242	0.0095	0.1416
1090	13	13	0.6785	2.7326	-0.0006	3.4105	0.161	-0.0241	0.0134	0.1503
1091	12.6	13	0.6781	2.733	-0.0007	3.4104	0.156	-0.021	0.0116	0.1467
1092	12.8	13	0.6775	2.733	-0.0006	3.4099	0.1602	-0.0165	0.0099	0.1536
1093	13.1	13	0.6769	2.7339	-0.0003	3.4104	0.161	-0.0184	0.0137	0.1563
1094	12.6	13	0.6771	2.7333	-0.0004	3.41	0.1657	-0.0227	0.0136	0.1566
1095	13.1	12.9	0.6773	2.7336	-0.0005	3.4104	0.1702	-0.0195	0.0144	0.165
1096	12.6	12.9	0.6773	2.7337	-0.0006	3.4104	0.1691	-0.0179	0.0112	0.1625
1097	12.7	13	0.6772	2.7345	-0.0005	3.4112	0.1539	-0.0207	0.0127	0.1459
1098	12.8	13	0.6773	2.7347	-0.0007	3.4113	0.1432	-0.0173	0.0166	0.1426
1099	12.8	13	0.6772	2.7344	-0.0005	3.4112	0.1359	-0.0203	0.0133	0.1289
1100	12.7	13	0.6772	2.7345	-0.0003	3.4114	0.1314	-0.0192	0.009	0.1212
1101	13.3	13.1	0.6776	2.7339	0.0001	3.4116	0.134	-0.0133	0.0073	0.128

1102	12.9	13.1	0.6781	2.7339	0.0004	3.4123	0.1339	-0.0066	0.0086	0.1359
1103	12.5	13.2	0.6789	2.7341	0.0003	3.4133	0.1333	-0.0058	0.0065	0.134
1104	12.7	13.2	0.6789	2.7342	0.0003	3.4134	0.1274	-0.0114	0.0012	0.1171
1105	13.4	13.2	0.6782	2.7348	0.0005	3.4135	0.1233	-0.0205	-0.0037	0.0992
1106	14.4	13.3	0.678	2.7355	0.0006	3.4141	0.1186	-0.0283	-0.0055	0.0847
1107	14.1	13.3	0.678	2.7353	0.0006	3.4139	0.1184	-0.0334	-0.007	0.078
1108	13.3	13.3	0.6769	2.7356	0.0001	3.4127	0.1235	-0.0408	-0.0039	0.0787
1109	13.6	13.3	0.6761	2.736	0.0001	3.4122	0.1257	-0.0467	-0.0005	0.0785
1110	13.4	13.3	0.6758	2.7359	0.0002	3.4119	0.1219	-0.0431	0.0004	0.0792
1111	13.7	13.3	0.6756	2.7355	0.0003	3.4114	0.1253	-0.0403	-0.0007	0.0843
1112	13.8	13.3	0.6748	2.7352	0.0002	3.4102	0.1298	-0.0401	0.0007	0.0904
1113	13.4	13.3	0.6742	2.735	0.0002	3.4095	0.1325	-0.046	0.0023	0.0888
1114	13.3	13.4	0.6738	2.7351	0.0004	3.4092	0.134	-0.0438	-0.0002	0.09
1115	13.3	13.3	0.6733	2.7355	0.0003	3.4091	0.1326	-0.0368	-0.0033	0.0924
1116	12.7	13.2	0.6732	2.7356	0.0001	3.4089	0.1327	-0.0437	-0.0054	0.0836
1117	12.8	13.1	0.6731	2.7353	-0.0001	3.4084	0.1317	-0.0458	-0.0046	0.0813
1118	12.6	13.1	0.6726	2.7351	-0.0001	3.4075	0.1301	-0.039	-0.0065	0.0846
1119	12.8	13.1	0.672	2.7351	-0.0001	3.4069	0.1307	-0.0402	-0.0047	0.0858
1120	13.7	13	0.6716	2.7348	-0.0002	3.4062	0.1344	-0.0381	-0.0021	0.0941
1121	13.1	12.9	0.6718	2.7348	-0.0004	3.4063	0.1406	-0.0397	-0.0016	0.0993
1122	13	12.9	0.6719	2.7341	-0.0001	3.4059	0.1412	-0.0426	0.0012	0.0998
1123	13.4	12.8	0.6718	2.7342	0.0002	3.4063	0.1406	-0.0458	0.0043	0.0992
1124	12.8	12.8	0.6717	2.7343	0.0004	3.4064	0.1482	-0.0451	0.0085	0.1116
1125	12.6	12.7	0.6717	2.7346	0.0004	3.4068	0.1553	-0.0466	0.0068	0.1155
1126	12.7	12.7	0.6713	2.7348	0.0005	3.4066	0.1661	-0.0481	0.006	0.124
1127	12.6	12.7	0.671	2.7351	0.0004	3.4065	0.1673	-0.0527	0.0053	0.12
1128	12.6	12.7	0.6707	2.7354	0.0002	3.4063	0.1618	-0.0548	0.0027	0.1098
1129	12.5	12.7	0.6704	2.7357	0	3.4062	0.1573	-0.0545	-0.0019	0.1009
1130	12.2	12.7	0.6709	2.7362	0	3.4071	0.1552	-0.0616	-0.0006	0.093
1131	12.2	12.7	0.6721	2.7367	-0.0001	3.4087	0.1456	-0.0688	0.001	0.0778
1132	12.4	12.7	0.6735	2.7374	0	3.4108	0.1385	-0.0746	-0.0015	0.0623
1133	12.4	12.7	0.6739	2.7374	-0.0001	3.4112	0.1342	-0.0726	-0.0046	0.0571
1134	12.2	12.7	0.6739	2.7373	-0.0001	3.4111	0.128	-0.0704	-0.0057	0.0519
1135	12.4	12.8	0.6735	2.7373	-0.0002	3.4106	0.1243	-0.0758	-0.0047	0.0438
1136	12.7	12.8	0.6729	2.7376	-0.0002	3.4104	0.1203	-0.084	-0.0047	0.0316
1137	12.6	12.9	0.6722	2.7376	-0.0004	3.4094	0.1341	-0.0759	-0.0024	0.0557
1138	13.1	12.9	0.6718	2.7373	-0.0007	3.4083	0.1565	-0.0754	-0.0024	0.0787

1139	13.1	12.9	0.6713	2.737	-0.0009	3.4074	0.1645	-0.079	-0.005	0.0805
1140	13	13	0.6709	2.7366	-0.0008	3.4067	0.1715	-0.0781	-0.0044	0.0889
1141	13.6	13	0.6703	2.7359	-0.0006	3.4056	0.1721	-0.0744	-0.0041	0.0936
1142	13.8	13	0.6701	2.7359	-0.0009	3.4051	0.1669	-0.0676	-0.0065	0.0928
1143	12.9	13	0.6698	2.7362	-0.001	3.4049	0.1638	-0.0701	-0.0046	0.0892
1144	13.6	13	0.6693	2.736	-0.0012	3.4041	0.1653	-0.0651	-0.0024	0.0978
1145	14.1	12.9	0.6688	2.7361	-0.0011	3.4038	0.1707	-0.0694	-0.0027	0.0986
1146	12.9	13	0.6687	2.7364	-0.0012	3.4038	0.1787	-0.0629	-0.0025	0.1134
1147	13.2	13	0.6685	2.7365	-0.0015	3.4036	0.1813	-0.0603	-0.0009	0.1201
1148	13.1	13	0.6688	2.7369	-0.0014	3.4043	0.1833	-0.049	0.0017	0.1361
1149	12.8	12.9	0.6689	2.7368	-0.0014	3.4043	0.1852	-0.0458	-0.0006	0.1389
1150	12.6	12.9	0.6688	2.7361	-0.0013	3.4036	0.1842	-0.0497	0.0027	0.1372
1151	12.3	12.8	0.6687	2.7356	-0.0011	3.4032	0.187	-0.045	0.0076	0.1497
1152	12.3	12.7	0.6682	2.7356	-0.0008	3.403	0.1945	-0.047	0.0143	0.1618
1153	11.9	12.6	0.6678	2.7358	-0.0004	3.4033	0.2024	-0.0514	0.0192	0.1703
1154	12.2	12.6	0.6679	2.7362	-0.0002	3.4039	0.2076	-0.0439	0.0187	0.1824
1155	12.8	12.5	0.6683	2.7365	-0.0002	3.4046	0.2022	-0.0412	0.0168	0.1777
1156	13.2	12.4	0.6687	2.7361	-0.0001	3.4047	0.1886	-0.0324	0.0196	0.1758
1157	12.8	12.3	0.6692	2.7362	-0.0002	3.4052	0.1823	-0.019	0.0205	0.1838
1158	12.8	12.3	0.6698	2.7364	-0.0003	3.406	0.1841	-0.0196	0.0224	0.1869
1159	12.4	12.2	0.6705	2.736	-0.0003	3.4062	0.1759	-0.0177	0.0168	0.175
1160	11.9	12.1	0.6702	2.7356	0	3.4058	0.167	-0.0126	0.0177	0.1721
1161	11.3	12.1	0.6696	2.7357	0.0001	3.4055	0.1692	-0.0104	0.0183	0.177
1162	11.8	12.1	0.6693	2.7361	0.0001	3.4056	0.1703	-0.0111	0.018	0.1773
1163	12	12.1	0.6691	2.736	0.0002	3.4054	0.1601	-0.0139	0.0163	0.1625
1164	12.4	12	0.6689	2.736	0.0005	3.4054	0.1539	-0.0168	0.0157	0.1528
1165	12.4	12	0.6685	2.7367	0.0007	3.4059	0.1515	-0.0159	0.0157	0.1513
1166	11.5	11.9	0.6684	2.7372	0.0006	3.4062	0.1432	-0.0157	0.0148	0.1423
1167	11.5	11.9	0.6685	2.7372	0.0007	3.4064	0.1415	-0.0128	0.0132	0.1419
1168	11.3	11.9	0.6686	2.7372	0.0006	3.4064	0.1427	-0.0031	0.0092	0.1488
1169	12	11.9	0.6685	2.7371	0.0004	3.406	0.1381	-0.0047	0.0068	0.1401
1170	11.7	11.9	0.6683	2.7374	0.0005	3.4062	0.1322	-0.0091	0.006	0.1291
1171	11.3	11.9	0.6681	2.7379	0.0005	3.4066	0.1277	-0.0102	0.0057	0.1232
1172	11.7	11.9	0.6681	2.7378	0.0004	3.4063	0.1282	-0.0058	0.0052	0.1276
1173	11.9	11.9	0.6681	2.7379	0.0003	3.4064	0.1264	-0.0138	0.0086	0.1212
1174	12	11.9	0.6679	2.7385	0.0004	3.4068	0.1239	-0.0181	0.014	0.1198
1175	12.2	11.8	0.6678	2.7387	0.0004	3.407	0.1251	-0.0217	0.017	0.1204

1176	12.1	11.8	0.6678	2.7392	0.0004	3.4074	0.1277	-0.0178	0.0174	0.1273
1177	12	11.8	0.668	2.7393	0.0003	3.4076	0.1254	-0.0109	0.0154	0.1299
1178	12.7	11.9	0.6679	2.7393	0.0004	3.4076	0.1283	-0.0039	0.0135	0.1379
1179	12	11.9	0.6678	2.7398	0.0004	3.408	0.1256	0.0002	0.0111	0.1369
1180	11.5	11.9	0.6677	2.7399	0.0004	3.408	0.1189	0.0016	0.0111	0.1316
1181	11.9	11.9	0.6676	2.7401	0.0005	3.4082	0.1202	0.01	0.01	0.1402
1182	11.7	12	0.6673	2.7402	0.0005	3.408	0.1293	0.0171	0.0097	0.1561
1183	12.2	12	0.6671	2.7402	0.0005	3.4078	0.143	0.0186	0.012	0.1735
1184	11.8	11.9	0.6669	2.7404	0.0004	3.4076	0.1485	0.0213	0.0115	0.1813
1185	11.6	11.9	0.6662	2.7406	0.0002	3.407	0.1484	0.0219	0.0129	0.1832
1186	11.6	12	0.6647	2.7406	-0.0002	3.4051	0.1424	0.0169	0.0132	0.1725
1187	12.1	12	0.6628	2.7404	-0.0002	3.403	0.1359	0.0159	0.0148	0.1666
1188	12	11.9	0.6618	2.7403	-0.0001	3.4019	0.1284	0.0133	0.0141	0.1558
1189	12	11.9	0.6613	2.7399	-0.0001	3.4011	0.1237	0.0101	0.0107	0.1446
1190	11.9	11.9	0.6613	2.7401	-0.0002	3.4012	0.119	0.007	0.0076	0.1335
1191	12.1	12	0.6614	2.7397	0	3.4011	0.1159	-0.0056	0.0083	0.1187
1192	11.9	12	0.6611	2.74	-0.0001	3.401	0.1145	-0.0157	0.0116	0.1104
1193	11.5	11.9	0.6604	2.7404	-0.0001	3.4007	0.1235	-0.0133	0.0086	0.1188
1194	12.1	11.9	0.66	2.7402	-0.0001	3.4001	0.1334	-0.0057	0.0115	0.1393
1195	12.6	11.9	0.6594	2.7399	-0.0003	3.399	0.1399	-0.0047	0.0135	0.1486
1196	12.1	11.9	0.6592	2.7398	-0.0005	3.3984	0.1288	0.0014	0.014	0.1442
1197	11.9	11.8	0.6589	2.7394	-0.0007	3.3976	0.1175	0.0107	0.0111	0.1393
1198	12	11.8	0.6588	2.7393	-0.0006	3.3974	0.1086	0.0172	0.0095	0.1353
1199	12	11.7	0.6588	2.7394	-0.0007	3.3974	0.1043	0.0211	0.0067	0.1321
1200	12	11.7	0.6585	2.739	-0.001	3.3965	0.1005	0.0184	-0.0029	0.1159
1201	11.7	11.7	0.6581	2.7386	-0.0013	3.3954	0.0973	0.0105	-0.0049	0.1028
1202	11.4	11.7	0.6578	2.739	-0.0016	3.3953	0.0974	0.0049	-0.0034	0.0988
1203	11.2	11.7	0.6582	2.7385	-0.0016	3.395	0.0928	-0.0032	-0.0004	0.0892
1204	11.3	11.7	0.6587	2.7383	-0.0014	3.3956	0.0873	-0.0107	0.005	0.0815
1205	11.7	11.6	0.6594	2.738	-0.0015	3.3959	0.0888	-0.0074	0.0084	0.0899
1206	11.1	11.6	0.6598	2.7374	-0.0015	3.3957	0.096	-0.0041	0.0119	0.1037
1207	11.3	11.6	0.6596	2.7373	-0.0016	3.3952	0.0952	-0.0126	0.0154	0.0979
1208	11	11.6	0.6593	2.7374	-0.0016	3.3952	0.0988	-0.0154	0.0145	0.0979
1209	11.6	11.6	0.6594	2.7373	-0.0017	3.395	0.1017	-0.013	0.013	0.1017
1210	11.7	11.6	0.6589	2.7369	-0.0016	3.3942	0.1018	-0.0204	0.013	0.0943
1211	11.7	11.6	0.6586	2.7366	-0.0015	3.3937	0.0925	-0.0255	0.0147	0.0816
1212	11.4	11.6	0.6588	2.7366	-0.0014	3.3939	0.0858	-0.0207	0.0151	0.0802

1213	11.6	11.6	0.6588	2.7367	-0.0013	3.3942	0.0871	-0.015	0.0152	0.0874
1214	11.7	11.6	0.6586	2.7367	-0.0012	3.3941	0.0912	-0.0134	0.0178	0.0956
1215	12	11.5	0.659	2.7371	-0.0012	3.3949	0.0952	-0.0177	0.0228	0.1003
1216	12.5	11.6	0.6591	2.7368	-0.0012	3.3947	0.1004	-0.0149	0.0248	0.1103
1217	11.9	11.5	0.6588	2.7357	-0.001	3.3935	0.0989	-0.0043	0.0242	0.1188
1218	11.8	11.5	0.6588	2.7355	-0.0008	3.3935	0.0964	0.0027	0.0291	0.1281
1219	11.3	11.5	0.6587	2.736	-0.0007	3.394	0.1012	0.0076	0.0291	0.1379
1220	11.7	11.5	0.6588	2.7358	-0.0008	3.3939	0.101	0.006	0.0281	0.1352
1221	11.9	11.4	0.659	2.7354	-0.0009	3.3935	0.1026	0.0135	0.0275	0.1436
1222	11.1	11.4	0.6593	2.7355	-0.001	3.3938	0.1099	0.0187	0.0253	0.1539
1223	10.9	11.4	0.6595	2.7361	-0.0012	3.3943	0.1173	0.0145	0.0246	0.1565
1224	11.1	11.4	0.6592	2.7364	-0.0013	3.3944	0.1207	0.0178	0.025	0.1635
1225	11.2	11.3	0.6589	2.7364	-0.0013	3.3941	0.1221	0.0261	0.0267	0.1749
1226	11.2	11.3	0.6587	2.7359	-0.001	3.3936	0.1216	0.0319	0.0247	0.1782
1227	11.1	11.2	0.6581	2.7355	-0.0009	3.3927	0.1145	0.0427	0.0207	0.1779
1228	11.1	11.2	0.6581	2.7354	-0.0009	3.3926	0.0987	0.0425	0.0183	0.1596
1229	11.3	11.2	0.6585	2.7356	-0.0011	3.393	0.0778	0.043	0.0141	0.1348
1230	10.7	11.2	0.6589	2.7352	-0.001	3.3931	0.0831	0.0437	0.0119	0.1387
1231	11	11.1	0.6591	2.735	-0.0011	3.3931	0.0842	0.0431	0.0099	0.1372
1232	11.2	11.1	0.6592	2.7355	-0.0012	3.3935	0.0934	0.044	0.0106	0.148
1233	11	11.1	0.6591	2.7353	-0.0012	3.3931	0.0966	0.04	0.013	0.1496
1234	11.2	11.1	0.6591	2.7351	-0.0014	3.3928	0.1057	0.0406	0.0127	0.1591
1235	11.5	11.2	0.6593	2.7356	-0.0015	3.3934	0.1104	0.0427	0.0112	0.1643
1236	11.2	11.2	0.6593	2.736	-0.0016	3.3937	0.1075	0.0449	0.0092	0.1616
1237	11.6	11.2	0.6594	2.7363	-0.0019	3.3938	0.0966	0.043	0.0045	0.1441
1238	11.3	11.2	0.6594	2.7363	-0.0018	3.3939	0.079	0.0347	0.0062	0.1199
1239	11	11.2	0.6594	2.7363	-0.0016	3.3941	0.0672	0.0266	0.0103	0.1041
1240	10.6	11.2	0.6593	2.7371	-0.0016	3.3948	0.0575	0.021	0.0084	0.0869
1241	11.1	11.2	0.6589	2.7375	-0.0018	3.3946	0.0521	0.0207	0.0062	0.079
1242	10.8	11.2	0.6577	2.7373	-0.0018	3.3932	0.0559	0.0113	0.0088	0.076
1243	11.5	11.2	0.6564	2.7367	-0.0022	3.391	0.0516	0.0161	0.0058	0.0735
1244	11.5	11.2	0.6553	2.7365	-0.0025	3.3893	0.0427	0.0199	0.0034	0.066
1245	11.2	11.2	0.6559	2.736	-0.0025	3.3894	0.0396	0.0153	0.0005	0.0554
1246	11.4	11.2	0.6569	2.7353	-0.0023	3.3899	0.0364	0.0013	-0.0019	0.0357
1247	11.3	11.1	0.6577	2.7348	-0.0024	3.39	0.0366	-0.0058	-0.0055	0.0253
1248	11.3	11.1	0.6583	2.7348	-0.0021	3.3911	0.0348	-0.0128	-0.0064	0.0156
1249	11.4	11.1	0.6588	2.735	-0.0011	3.3927	0.0354	-0.0187	-0.0046	0.0122

1250	11.2	11.1	0.6591	2.7351	-0.0008	3.3933	0.041	-0.0187	-0.0064	0.016
1251	11.1	11.1	0.659	2.7351	-0.0008	3.3933	0.0495	-0.027	-0.0094	0.0131
1252	11.2	11.1	0.6589	2.7359	-0.0008	3.3941	0.0577	-0.0315	-0.0114	0.0148
1253	10.8	11.1	0.6591	2.7369	-0.0009	3.3951	0.0602	-0.0269	-0.0079	0.0254
1254	10.6	11	0.659	2.737	-0.0011	3.3949	0.0742	-0.0283	-0.008	0.0379
1255	11.1	11.1	0.6587	2.7369	-0.0014	3.3942	0.0969	-0.0272	-0.0059	0.0638
1256	11.4	11	0.6592	2.7374	-0.0016	3.3949	0.1096	-0.0304	-0.0063	0.0729
1257	10.7	11	0.6593	2.7378	-0.0017	3.3954	0.1061	-0.0309	-0.0074	0.0679
1258	10.7	11	0.6596	2.7377	-0.0016	3.3958	0.0932	-0.0277	-0.0081	0.0574
1259	10.9	11	0.6603	2.738	-0.0016	3.3968	0.0894	-0.0197	-0.0059	0.0638
1260	11.1	11	0.6609	2.7382	-0.0015	3.3976	0.0847	-0.0184	-0.0055	0.0609
1261	11.1	11	0.661	2.7378	-0.0014	3.3974	0.0743	-0.0201	-0.0056	0.0486
1262	10.6	11	0.6606	2.7376	-0.0014	3.3969	0.0693	-0.0229	-0.0054	0.0411
1263	11	11	0.66	2.7374	-0.0016	3.3958	0.0711	-0.0233	-0.0035	0.0443
1264	11.4	11	0.6594	2.7377	-0.0018	3.3953	0.0686	-0.024	-0.0005	0.0442
1265	11.1	11	0.6585	2.7382	-0.0018	3.3948	0.0683	-0.0221	0.0018	0.048
1266	11.4	10.9	0.6585	2.7376	-0.0018	3.3943	0.0709	-0.0164	0.0009	0.0554
1267	11.2	10.9	0.6589	2.7369	-0.0022	3.3936	0.074	-0.021	-0.001	0.052
1268	10.9	10.9	0.6585	2.7364	-0.0023	3.3926	0.0724	-0.0284	-0.0001	0.0439
1269	11	11	0.6584	2.7365	-0.0024	3.3925	0.0746	-0.0295	0.0007	0.0458
1270	10.8	11	0.658	2.7361	-0.0022	3.3919	0.0766	-0.023	0.0033	0.0569
1271	10.9	10.9	0.6571	2.7361	-0.002	3.3912	0.076	-0.0232	0.0033	0.056
1272	10.9	11	0.6564	2.7364	-0.0021	3.3907	0.0744	-0.0293	0.0025	0.0475
1273	10.6	11	0.656	2.7362	-0.0022	3.39	0.077	-0.0282	0.002	0.0508
1274	10.6	10.9	0.6557	2.7359	-0.0023	3.3893	0.076	-0.0201	-0.0002	0.0557
1275	10.9	10.9	0.6557	2.7355	-0.0021	3.3892	0.0701	-0.0142	-0.0032	0.0527
1276	10.6	10.9	0.6564	2.7349	-0.0017	3.3896	0.0665	-0.0105	-0.0032	0.0528
1277	10.7	10.8	0.6581	2.7351	-0.0015	3.3916	0.0634	-0.0071	-0.0022	0.0541
1278	11.5	10.8	0.6601	2.735	-0.001	3.3941	0.0592	-0.006	-0.0039	0.0493
1279	10.8	10.8	0.6595	2.7354	-0.0008	3.3941	0.059	-0.0102	-0.0049	0.0438
1280	10.9	10.8	0.6593	2.7356	-0.0006	3.3943	0.06	-0.0167	-0.0037	0.0395
1281	11.1	10.8	0.6582	2.7357	-0.0006	3.3934	0.0615	-0.0305	-0.0018	0.0292
1282	10.9	10.8	0.6576	2.7362	-0.0008	3.393	0.0691	-0.0391	-0.001	0.029
1283	10.7	10.9	0.6566	2.7362	-0.0008	3.3919	0.0729	-0.0422	-0.0003	0.0304
1284	10.6	10.9	0.6558	2.7361	-0.0008	3.3912	0.0696	-0.0519	0.0005	0.0183
1285	10.5	10.9	0.6555	2.7361	-0.0008	3.3908	0.0685	-0.0541	-0.0011	0.0134
1286	10.8	10.9	0.655	2.7363	-0.0006	3.3907	0.0708	-0.0495	-0.002	0.0193

1287	10.9	10.9	0.6549	2.737	-0.0009	3.391	0.0727	-0.0446	-0.0034	0.0247
1288	10.7	10.8	0.6551	2.7376	-0.0012	3.3915	0.076	-0.0409	-0.0071	0.028
1289	11.3	10.8	0.6555	2.7378	-0.0009	3.3924	0.0778	-0.0367	-0.0063	0.0348
1290	10.7	10.8	0.6561	2.738	-0.0008	3.3933	0.0753	-0.0315	-0.0032	0.0406
1291	10.8	10.8	0.6558	2.7386	-0.0009	3.3935	0.0787	-0.0209	-0.005	0.0528
1292	11.3	10.8	0.6559	2.7384	-0.0007	3.3936	0.0744	-0.017	-0.0059	0.0514
1293	10.9	10.8	0.6561	2.7384	-0.0004	3.3941	0.0572	-0.0171	-0.0067	0.0334
1294	10.8	10.8	0.656	2.7387	-0.0002	3.3946	0.0424	-0.0198	-0.0105	0.0121
1295	10.7	10.8	0.6558	2.7397	-0.0001	3.3955	0.0327	-0.0197	-0.015	-0.002
1296	10.7	10.9	0.6555	2.7403	0	3.3959	0.0402	-0.027	-0.0175	-0.0043
1297	10.4	10.9	0.6554	2.7407	-0.0001	3.3961	0.0536	-0.0378	-0.0198	-0.0039
1298	10.5	10.9	0.6552	2.7411	-0.0001	3.3962	0.0649	-0.0529	-0.0243	-0.0124
1299	10.5	11	0.6547	2.7413	-0.0001	3.3958	0.0739	-0.0615	-0.0221	-0.0097
1300	10.8	11	0.6535	2.7417	-0.0001	3.3951	0.0846	-0.0636	-0.0121	0.009
1301	11.2	11.1	0.6523	2.7418	-0.0002	3.3939	0.1004	-0.0631	-0.0076	0.0297
1302	10.9	11.1	0.6518	2.7417	-0.0008	3.3927	0.1089	-0.0655	-0.0062	0.0373
1303	10.8	11.2	0.6507	2.7413	-0.0008	3.3912	0.1082	-0.0603	-0.006	0.0418
1304	10.8	11.2	0.649	2.741	-0.0008	3.3892	0.1051	-0.0489	-0.0042	0.052
1305	11.4	11.2	0.6484	2.7411	-0.0009	3.3886	0.1017	-0.0478	-0.0037	0.0502
1306	11.6	11.2	0.6492	2.7404	-0.0007	3.3889	0.0965	-0.0516	-0.0084	0.0365
1307	11.3	11.3	0.6503	2.74	-0.0008	3.3895	0.1	-0.0441	-0.0129	0.0431
1308	11.9	11.3	0.6504	2.7394	-0.001	3.3888	0.0988	-0.0384	-0.0112	0.0491
1309	11.9	11.3	0.6509	2.7391	-0.0011	3.3889	0.0983	-0.0369	-0.0096	0.0518
1310	11.8	11.3	0.6515	2.7389	-0.001	3.3894	0.1015	-0.0371	-0.0085	0.0559
1311	12	11.3	0.6517	2.7389	-0.001	3.3896	0.1102	-0.0375	-0.0074	0.0653
1312	11.9	11.3	0.6517	2.7389	-0.0011	3.3895	0.1127	-0.0392	-0.0057	0.0678
1313	11.1	11.3	0.652	2.7391	-0.0013	3.3898	0.1069	-0.04	-0.0057	0.0611
1314	11.4	11.3	0.6518	2.7389	-0.0014	3.3893	0.0994	-0.0407	-0.0084	0.0502
1315	10.9	11.2	0.6519	2.7387	-0.0013	3.3893	0.0946	-0.0348	-0.0089	0.0509
1316	11.3	11.2	0.6517	2.7389	-0.0011	3.3895	0.0896	-0.0312	-0.007	0.0515
1317	11.6	11.2	0.6516	2.7385	-0.001	3.3891	0.0939	-0.0318	-0.0059	0.0562
1318	11	11.1	0.6513	2.7385	-0.0009	3.3889	0.0956	-0.034	-0.0081	0.0534
1319	10.8	11.1	0.6511	2.7383	-0.001	3.3883	0.0918	-0.0342	-0.0087	0.0489
1320	10.8	11	0.6512	2.7381	-0.0011	3.3883	0.0885	-0.0282	-0.0071	0.0533
1321	10.5	10.9	0.6516	2.7383	-0.0011	3.3887	0.0784	-0.031	-0.0025	0.0448
1322	10.5	10.9	0.6516	2.7383	-0.0012	3.3887	0.0652	-0.0285	0.0016	0.0384
1323	10.6	10.9	0.6519	2.7381	-0.0012	3.3887	0.0582	-0.0186	0.0027	0.0423

1324	10.8	10.8	0.6522	2.7379	-0.001	3.3891	0.057	-0.0155	0.004	0.0455
1325	11.2	10.9	0.6523	2.7375	-0.001	3.3888	0.0522	-0.0159	0.0033	0.0396
1326	10.5	10.8	0.6524	2.7366	-0.0008	3.3882	0.05	-0.0154	0.0053	0.0398
1327	11.3	10.8	0.6522	2.7361	-0.0005	3.3878	0.0557	-0.019	0.0101	0.0468
1328	10.5	10.8	0.6522	2.7364	-0.0004	3.3882	0.0701	-0.0192	0.0091	0.0601
1329	10.7	10.8	0.6525	2.7372	-0.0007	3.3891	0.0923	-0.018	0.0118	0.0862
1330	10.7	10.8	0.6527	2.7382	-0.0008	3.3901	0.0872	-0.0182	0.0119	0.0809
1331	10.9	10.9	0.6522	2.7389	-0.001	3.3902	0.0893	-0.0196	0.0107	0.0804
1332	11	10.9	0.6519	2.7397	-0.0012	3.3904	0.0825	-0.0166	0.008	0.0739
1333	10.5	10.9	0.6521	2.7405	-0.0013	3.3912	0.0772	-0.0122	0.0034	0.0685
1334	11.1	10.9	0.6523	2.7405	-0.0013	3.3915	0.064	-0.0115	0.0012	0.0537
1335	11.1	10.9	0.6522	2.7405	-0.0013	3.3914	0.0531	-0.0179	0.0005	0.0356
1336	11	10.9	0.652	2.7405	-0.0013	3.3912	0.0537	-0.0234	0.0005	0.0307
1337	10.5	10.9	0.6518	2.7404	-0.0012	3.391	0.0555	-0.0239	0.0019	0.0336
1338	11	10.9	0.6516	2.74	-0.0012	3.3904	0.0588	-0.0205	0.0002	0.0384
1339	11.3	10.9	0.6519	2.7395	-0.0013	3.39	0.0639	-0.0145	-0.0018	0.0475
1340	11.4	10.9	0.6514	2.7392	-0.0011	3.3895	0.0702	-0.0147	0.0006	0.0561
1341	10.7	10.9	0.6514	2.7392	-0.0012	3.3894	0.0758	-0.0131	0.0029	0.0655
1342	10.6	10.9	0.652	2.739	-0.0011	3.3899	0.073	-0.0051	0.0011	0.069
1343	10.9	10.9	0.6522	2.7387	-0.0011	3.3898	0.0732	-0.0041	-0.0008	0.0684
1344	11.1	10.9	0.6521	2.7385	-0.001	3.3895	0.0749	-0.005	0.0015	0.0714
1345	11.2	10.9	0.6519	2.7387	-0.0008	3.3898	0.0814	-0.0023	0.0039	0.083
1346	10.5	10.9	0.6516	2.7391	-0.0004	3.3903	0.0848	0.0059	0.0074	0.0981
1347	11	10.9	0.6512	2.7401	0	3.3913	0.0856	0.0094	0.0074	0.1024
1348	11.3	10.9	0.6509	2.741	0.0001	3.392	0.0793	0.0099	0.0044	0.0936
1349	10.7	10.9	0.6504	2.7413	0.0001	3.3918	0.0721	0.0122	0.0041	0.0885
1350	11	10.9	0.649	2.7414	-0.0001	3.3904	0.0654	0.0155	0.0038	0.0847
1351	10.6	10.9	0.6481	2.7417	-0.0002	3.3896	0.0552	0.0203	0.0017	0.0771
1352	10.9	10.9	0.6481	2.742	-0.0002	3.3899	0.0441	0.0142	-0.0014	0.0569
1353	11	10.9	0.6486	2.7418	-0.0005	3.3899	0.0416	0.0086	-0.0094	0.0408
1354	10.5	10.9	0.6488	2.7417	-0.0007	3.3899	0.0323	-0.0007	-0.01	0.0217
1355	10.6	10.9	0.6491	2.7421	-0.0006	3.3906	0.0072	-0.0187	-0.0091	-0.0207
1356	10.7	11	0.6492	2.7418	-0.0004	3.3906	-0.0006	-0.0183	-0.0045	-0.0234
1357	11.1	11.1	0.6495	2.7416	-0.0005	3.3905	0.0125	-0.0244	-0.0013	-0.0131
1358	11.2	11.1	0.6498	2.7414	-0.0006	3.3906	0.0205	-0.0266	-0.0023	-0.0084
1359	11.4	11.1	0.6502	2.7418	-0.0007	3.3912	0.0122	-0.0287	-0.0039	-0.0204
1360	11.1	11.1	0.6499	2.7419	-0.0008	3.3911	0.0088	-0.0289	-0.0054	-0.0255

1361	10.6	11.1	0.6498	2.7417	-0.0008	3.3907	0.0165	-0.0291	-0.0049	-0.0175
1362	11.1	11.1	0.65	2.7416	-0.0008	3.3908	0.028	-0.0295	-0.004	-0.0055
1363	10.7	11.1	0.6501	2.7414	-0.0007	3.3908	0.0333	-0.029	-0.0035	0.0007
1364	11.4	11.1	0.6499	2.7412	-0.0009	3.3902	0.0394	-0.0244	-0.004	0.0109
1365	12.2	11.1	0.6495	2.7413	-0.0011	3.3897	0.0438	-0.0257	-0.0042	0.0138
1366	12	11.2	0.6491	2.7408	-0.0012	3.3887	0.0476	-0.0279	-0.0021	0.0177
1367	11.3	11.1	0.6493	2.7403	-0.0014	3.3882	0.0532	-0.0265	0.0019	0.0287
1368	11.5	11.1	0.6493	2.7399	-0.0014	3.3877	0.0526	-0.03	0.0034	0.026
1369	11.5	11.1	0.6495	2.7393	-0.0017	3.3872	0.0515	-0.0294	0.0035	0.0255
1370	11	11.1	0.6502	2.7392	-0.002	3.3874	0.0533	-0.0337	0.0018	0.0214
1371	10.7	11.1	0.6506	2.7389	-0.0021	3.3874	0.061	-0.0336	0.0024	0.0298
1372	10.7	11.1	0.6506	2.7382	-0.0024	3.3864	0.0736	-0.0318	0.0041	0.0459
1373	10.6	11.2	0.6503	2.7377	-0.0026	3.3855	0.0808	-0.0309	0.005	0.0549
1374	11.1	11.1	0.6505	2.7375	-0.0026	3.3854	0.0821	-0.0281	0.0046	0.0586
1375	11	11.1	0.6507	2.7371	-0.0026	3.3852	0.0841	-0.0269	0.0067	0.0639
1376	10.6	11	0.6508	2.7368	-0.0027	3.3849	0.0852	-0.0279	0.006	0.0633
1377	10.7	11	0.6511	2.737	-0.0024	3.3856	0.0869	-0.0343	0.0068	0.0593
1378	11.5	10.9	0.6509	2.7368	-0.0022	3.3855	0.0866	-0.0426	0.0114	0.0554
1379	11	10.9	0.6508	2.7372	-0.002	3.386	0.0905	-0.0365	0.0129	0.0668
1380	11	10.9	0.6503	2.7376	-0.0017	3.3862	0.1045	-0.0258	0.008	0.0867
1381	11.3	10.8	0.65	2.7374	-0.0014	3.386	0.1052	-0.0155	0.0078	0.0975
1382	11	10.7	0.6499	2.7374	-0.0011	3.3862	0.0965	-0.0104	0.0084	0.0945
1383	10.7	10.8	0.6502	2.7373	-0.0009	3.3866	0.0979	-0.0003	0.0063	0.1039
1384	10.9	10.7	0.6505	2.7379	-0.0008	3.3876	0.1007	0.0081	0.005	0.1139
1385	11	10.7	0.6501	2.7384	-0.0008	3.3878	0.1018	0.0076	0.0053	0.1147
1386	10.4	10.7	0.6495	2.7387	-0.0008	3.3873	0.1015	0.0101	0.006	0.1176
1387	10.6	10.7	0.649	2.739	-0.0009	3.3871	0.0985	0.0098	0.0056	0.1138
1388	11	10.6	0.6487	2.739	-0.001	3.3867	0.0933	0.007	0.0055	0.1058
1389	10.4	10.6	0.6485	2.7393	-0.001	3.3868	0.0913	0.0031	0.0024	0.0969
1390	9.92	10.6	0.6485	2.7393	-0.0011	3.3867	0.098	-0.0018	-0.0019	0.0943
1391	9.51	10.6	0.6485	2.7391	-0.001	3.3866	0.0937	0.002	-0.0011	0.0946
1392	10.7	10.6	0.6486	2.7388	-0.0006	3.3868	0.0754	0.0031	-0.0036	0.0749
1393	10.4	10.6	0.6486	2.7389	-0.0006	3.3869	0.0494	0.0034	-0.003	0.0499
1394	10.6	10.6	0.6479	2.7389	-0.0006	3.3863	0.0429	-0.0028	-0.001	0.0391
1395	10.2	10.5	0.6473	2.7392	-0.0008	3.3857	0.0459	-0.0107	0.0005	0.0357
1396	10.6	10.6	0.6469	2.7394	-0.0007	3.3857	0.0473	-0.0149	0.002	0.0344
1397	10.6	10.6	0.6475	2.7397	-0.0005	3.3867	0.0479	-0.0147	0.0037	0.0369

1398	10.9	10.6	0.648	2.7399	-0.0006	3.3874	0.0495	-0.0051	0.008	0.0524
1399	11.3	10.6	0.6481	2.7397	-0.0005	3.3874	0.0498	-0.0015	0.0061	0.0543
1400	11.4	10.6	0.648	2.7397	-0.0003	3.3874	0.0537	-0.0045	0.0037	0.053
1401	10.9	10.7	0.6479	2.7404	0	3.3883	0.0574	-0.0081	-0.0005	0.0488
1402	10.8	10.8	0.6477	2.7408	0.0002	3.3887	0.0617	-0.0138	-0.0022	0.0456
1403	9.98	10.8	0.6475	2.7414	0.0002	3.3891	0.0781	-0.0196	-0.0007	0.0578
1404	10.2	10.9	0.6483	2.7429	0.0001	3.3913	0.0935	-0.0247	-0.003	0.0658
1405	10.6	10.9	0.6485	2.7429	-0.0004	3.3909	0.1038	-0.0273	-0.0057	0.0708
1406	10.6	10.9	0.6479	2.7429	-0.0006	3.3902	0.1125	-0.0272	-0.0054	0.0799
1407	10.9	11	0.6482	2.7427	-0.0006	3.3903	0.1138	-0.0322	-0.0035	0.0781
1408	11.1	11	0.6492	2.7422	-0.0006	3.3908	0.1199	-0.0362	-0.0054	0.0783
1409	10.7	11	0.65	2.742	-0.0006	3.3914	0.1271	-0.0409	-0.0085	0.0777
1410	11.1	11	0.6498	2.7418	-0.0005	3.3911	0.1291	-0.0407	-0.01	0.0784
1411	11.7	11	0.6489	2.7418	-0.0006	3.3901	0.1147	-0.0404	-0.0113	0.063
1412	11.7	11	0.6484	2.7418	-0.0007	3.3894	0.0934	-0.0414	-0.014	0.038
1413	11.2	11.1	0.648	2.7415	-0.0009	3.3887	0.0769	-0.0395	-0.0144	0.023
1414	11	11.1	0.6474	2.7415	-0.001	3.3879	0.0685	-0.0377	-0.0137	0.0171
1415	10.9	11.2	0.6471	2.7415	-0.0011	3.3875	0.0625	-0.0378	-0.0149	0.0099
1416	11.2	11.2	0.6464	2.7416	-0.0013	3.3867	0.0595	-0.0361	-0.017	0.0064
1417	11.4	11.3	0.6463	2.7415	-0.0013	3.3865	0.0636	-0.0413	-0.0182	0.0041
1418	11.4	11.3	0.6462	2.7414	-0.0012	3.3864	0.072	-0.0448	-0.02	0.0071
1419	11.4	11.3	0.6457	2.7417	-0.0012	3.3862	0.0808	-0.052	-0.0205	0.0083
1420	11.5	11.3	0.6451	2.7415	-0.0013	3.3853	0.087	-0.0586	-0.0229	0.0055
1421	11.3	11.3	0.6442	2.7415	-0.0016	3.3842	0.0946	-0.058	-0.0228	0.0139
1422	10.9	11.2	0.6435	2.7414	-0.0017	3.3832	0.1162	-0.0591	-0.0224	0.0347
1423	11.2	11.2	0.6436	2.7409	-0.0017	3.3829	0.1368	-0.0703	-0.0235	0.043
1424	11.2	11.2	0.6438	2.7405	-0.0017	3.3827	0.1525	-0.0769	-0.0244	0.0511
1425	11.5	11.2	0.6438	2.7403	-0.0016	3.3825	0.1658	-0.0758	-0.0237	0.0664
1426	11.6	11.2	0.6437	2.74	-0.0015	3.3822	0.1762	-0.0765	-0.0226	0.0771
1427	11.4	11.2	0.6436	2.7404	-0.0016	3.3823	0.1739	-0.0749	-0.0219	0.0771
1428	10.9	11.1	0.6432	2.7401	-0.0017	3.3815	0.1747	-0.0717	-0.0172	0.0858
1429	11.1	11.1	0.6421	2.7398	-0.0015	3.3804	0.172	-0.0728	-0.0134	0.0859
1430	11.4	11	0.6422	2.7398	-0.0016	3.3804	0.1749	-0.0664	-0.0087	0.0997
1431	11	10.9	0.6426	2.74	-0.0018	3.3808	0.1786	-0.0609	-0.003	0.1147
1432	11	10.9	0.6421	2.7398	-0.0018	3.3801	0.1709	-0.0573	-0.0004	0.1132
1433	10.9	10.9	0.642	2.7396	-0.0018	3.3799	0.157	-0.0522	-0.0002	0.1047
1434	10.6	10.8	0.6421	2.7397	-0.0018	3.38	0.1548	-0.0499	-0.0012	0.1037

1435	11.1	10.7	0.642	2.7395	-0.0019	3.3797	0.1428	-0.0423	-0.0009	0.0996
1436	11	10.7	0.6422	2.7395	-0.0019	3.3798	0.1349	-0.0398	-0.0002	0.0949
1437	10.6	10.6	0.6424	2.7397	-0.0017	3.3804	0.1204	-0.0394	-0.0008	0.0803
1438	10	10.5	0.6425	2.7397	-0.0014	3.3807	0.1134	-0.0389	-0.001	0.0735
1439	10.3	10.5	0.6421	2.7396	-0.0011	3.3806	0.1067	-0.0354	-0.002	0.0693
1440	10.2	10.4	0.642	2.739	-0.001	3.3801	0.1061	-0.0286	-0.0005	0.077
1441	9.79	10.3	0.6439	2.7389	-0.0008	3.3819	0.1092	-0.0272	-0.0004	0.0816
1442	10.7	10.3	0.6471	2.7386	-0.0008	3.3849	0.1116	-0.0303	0.001	0.0823
1443	10.3	10.3	0.6479	2.739	-0.001	3.3859	0.1152	-0.0322	0.0071	0.09
1444	10.1	10.3	0.6475	2.7395	-0.0011	3.3859	0.1146	-0.0287	0.0127	0.0985
1445	10.1	10.2	0.6472	2.7402	-0.001	3.3864	0.1028	-0.0251	0.0152	0.0929
1446	10.4	10.2	0.6468	2.7406	-0.0007	3.3866	0.0934	-0.0144	0.0112	0.0902
1447	9.77	10.2	0.6462	2.7406	-0.0008	3.386	0.0875	-0.0081	0.0111	0.0906
1448	9.99	10.3	0.646	2.7411	-0.0005	3.3866	0.0959	-0.0099	0.014	0.1
1449	10	10.3	0.645	2.7418	-0.0003	3.3865	0.1079	-0.0143	0.0135	0.1071
1450	9.75	10.3	0.6433	2.7422	0	3.3855	0.1084	-0.0191	0.014	0.1033
1451	10.1	10.4	0.6419	2.743	0	3.385	0.1071	-0.0211	0.0156	0.1016
1452	10.5	10.4	0.6403	2.7439	-0.0001	3.3841	0.1049	-0.0115	0.0192	0.1125
1453	10.3	10.4	0.6392	2.7443	-0.0002	3.3833	0.1032	-0.0019	0.0222	0.1236
1454	10.3	10.5	0.6384	2.7445	-0.0001	3.3828	0.1041	0.0099	0.022	0.136
1455	10.3	10.6	0.6379	2.7448	0	3.3826	0.1103	0.0283	0.0204	0.159
1456	10.8	10.7	0.6378	2.745	0	3.3828	0.11	0.027	0.013	0.15
1457	11.2	10.8	0.6375	2.7452	0	3.3827	0.1021	0.0262	0.0086	0.1369
1458	10.8	10.9	0.6371	2.7455	0.0002	3.3828	0.1003	0.0199	0.0111	0.1313
1459	11	11	0.6372	2.7458	0.0003	3.3834	0.1062	0.011	0.0137	0.1309
1460	10.9	11.1	0.6384	2.746	0.0004	3.3848	0.1158	0.006	0.0163	0.138
1461	10.8	11.2	0.6404	2.7458	0.0006	3.3869	0.1163	0.0095	0.0175	0.1433
1462	11.3	11.3	0.6423	2.7455	0.0006	3.3884	0.101	0.0106	0.0158	0.1274
1463	11.7	11.4	0.6432	2.7452	0.0007	3.3891	0.0863	0.0122	0.0114	0.1099
1464	11.3	11.5	0.6437	2.745	0.0006	3.3893	0.0735	0.0107	0.0076	0.0917
1465	11.6	11.5	0.6435	2.7449	0.0006	3.389	0.0567	0.0118	0.0026	0.0711
1466	11.7	11.6	0.6428	2.7449	0.0006	3.3883	0.0407	0.0104	-0.0018	0.0493
1467	11.8	11.6	0.6421	2.7448	0.0006	3.3875	0.0325	0.0085	-0.0048	0.0362
1468	11.9	11.6	0.6412	2.7451	0.0006	3.3869	0.0304	0.0039	-0.0065	0.0278
1469	12	11.6	0.6408	2.7452	0.0006	3.3866	0.0275	-0.0039	-0.006	0.0176
1470	13	11.7	0.6407	2.745	0.0003	3.386	0.0257	-0.0094	-0.0061	0.0101
1471	12.1	11.7	0.639	2.7448	0.0001	3.3839	0.0247	-0.0154	-0.0074	0.0018

1472	11.5	11.7	0.6369	2.7452	0	3.3821	0.0153	-0.0165	-0.0111	-0.0123
1473	11.9	11.7	0.6351	2.7454	-0.0001	3.3804	0.006	-0.0169	-0.0121	-0.0231
1474	11.7	11.7	0.6339	2.745	-0.0002	3.3787	0.0122	-0.0213	-0.0116	-0.0207
1475	11.7	11.6	0.6331	2.7447	-0.0003	3.3775	0.0182	-0.0354	-0.0115	-0.0288
1476	11.7	11.6	0.6334	2.7443	-0.0005	3.3772	0.0218	-0.0357	-0.0106	-0.0246
1477	11.3	11.5	0.6336	2.7442	-0.0007	3.3771	0.0203	-0.042	-0.008	-0.0297
1478	11.2	11.5	0.6337	2.7441	-0.0009	3.3769	0.0148	-0.039	-0.0097	-0.034
1479	11.4	11.5	0.6333	2.7439	-0.0011	3.376	0.0071	-0.0388	-0.011	-0.0427
1480	11.8	11.4	0.6325	2.7436	-0.0014	3.3748	-0.009	-0.0455	-0.0095	-0.064
1481	11.1	11.3	0.6329	2.7431	-0.0013	3.3747	-0.0124	-0.0509	-0.0096	-0.0729
1482	10.7	11.2	0.6342	2.7426	-0.0011	3.3757	-0.0103	-0.0501	-0.01	-0.0704
1483	11.2	11.1	0.6347	2.7423	-0.0008	3.3762	-0.0115	-0.0523	-0.0106	-0.0744
1484	11	11	0.6362	2.7421	-0.0007	3.3776	-0.0058	-0.0523	-0.011	-0.069
1485	10.8	10.9	0.6366	2.7424	-0.0008	3.3783	0.0027	-0.0505	-0.0105	-0.0584
1486	11.3	10.8	0.6374	2.7426	-0.0007	3.3793	0.0035	-0.0519	-0.0102	-0.0585
1487	11.1	10.8	0.6377	2.7429	-0.0008	3.3798	-0.0033	-0.0536	-0.0123	-0.0692
1488	11.5	10.8	0.638	2.7426	-0.0008	3.3798	-0.0015	-0.0496	-0.01	-0.0612
1489	10.8	10.7	0.6379	2.7421	-0.0009	3.3791	0.0102	-0.0504	-0.0053	-0.0456
1490	10.3	10.7	0.6376	2.742	-0.0011	3.3785	0.0387	-0.0508	-0.003	-0.0151
1491	10.2	10.7	0.6373	2.7421	-0.0011	3.3784	0.0552	-0.0585	-0.002	-0.0053
1492	9.92	10.6	0.6371	2.742	-0.0013	3.3778	0.0777	-0.0622	-0.0004	0.0151
1493	9.9	10.6	0.6372	2.7418	-0.0019	3.3771	0.1109	-0.0647	0	0.0462
1494	9.82	10.6	0.6376	2.7415	-0.0021	3.377	0.1165	-0.0607	-0.0024	0.0535
1495	10.3	10.5	0.638	2.7406	-0.0019	3.3766	0.1151	-0.0542	-0.003	0.0579
1496	10.8	10.5	0.6382	2.7402	-0.0018	3.3766	0.1194	-0.0468	-0.0001	0.0725
1497	10.6	10.4	0.6379	2.7407	-0.0019	3.3767	0.1182	-0.0404	0.0032	0.081
1498	10.6	10.4	0.6372	2.7413	-0.0019	3.3766	0.12	-0.0378	0.0038	0.0859
1499	10.5	10.3	0.6373	2.7416	-0.0019	3.3771	0.1334	-0.0342	0.0081	0.1074
1500	11.1	10.3	0.6373	2.7418	-0.0018	3.3773	0.1303	-0.029	0.0111	0.1124
1501	10.6	10.3	0.6374	2.7415	-0.002	3.377	0.1049	-0.0258	0.014	0.0931
1502	10.6	10.3	0.6373	2.741	-0.0021	3.3763	0.0885	-0.0147	0.0163	0.0901
1503	10.3	10.4	0.6371	2.7404	-0.002	3.3755	0.0754	-0.0025	0.0147	0.0876
1504	10.1	10.4	0.6373	2.7401	-0.0019	3.3754	0.0534	0.0034	0.0148	0.0716
1505	10.1	10.3	0.6375	2.7402	-0.0017	3.3759	0.0353	0.0112	0.0138	0.0604
1506	9.91	10.3	0.6377	2.7403	-0.0015	3.3765	0.0197	0.0167	0.0149	0.0513
1507	10.3	10.3	0.6382	2.7407	-0.0017	3.3772	0.0159	0.0175	0.015	0.0485
1508	10.3	10.3	0.6386	2.7411	-0.002	3.3777	0.0092	0.0163	0.0168	0.0422

1509	10	10.3	0.6384	2.7414	-0.0022	3.3776	0.004	0.0193	0.0221	0.0453
1510	10.1	10.3	0.6382	2.7409	-0.0023	3.3768	0.0119	0.0228	0.024	0.0587
1511	10.2	10.3	0.6388	2.7408	-0.0022	3.3774	0.0321	0.025	0.0247	0.0818
1512	10.6	10.3	0.6397	2.7406	-0.0019	3.3785	0.0557	0.0258	0.027	0.1084
1513	9.94	10.2	0.6407	2.7405	-0.0016	3.3795	0.0738	0.0281	0.0274	0.1293
1514	9.68	10.3	0.6418	2.7403	-0.0012	3.3808	0.0833	0.0287	0.0293	0.1412
1515	10.1	10.3	0.6431	2.7405	-0.0009	3.3826	0.0886	0.025	0.0309	0.1445
1516	11	10.3	0.6431	2.7407	-0.0008	3.3831	0.0824	0.0251	0.03	0.1374
1517	10.8	10.3	0.6433	2.7411	-0.0006	3.3837	0.0682	0.0298	0.0278	0.1258
1518	10.5	10.4	0.6434	2.7418	-0.0006	3.3846	0.0579	0.0282	0.0262	0.1123
1519	10.4	10.4	0.6432	2.7426	-0.0006	3.3852	0.0482	0.0356	0.0265	0.1104
1520	10.6	10.4	0.6427	2.743	-0.0006	3.3851	0.0436	0.0387	0.0241	0.1064
1521	9.79	10.5	0.6427	2.7432	-0.0004	3.3854	0.0398	0.0406	0.0194	0.0998
1522	10.1	10.5	0.6429	2.7431	-0.0005	3.3855	0.0193	0.0365	0.0175	0.0733
1523	10.5	10.5	0.6424	2.743	-0.0005	3.3849	-0.0035	0.0374	0.0153	0.0492
1524	11	10.5	0.642	2.7441	-0.0005	3.3856	-0.0244	0.0357	0.0138	0.0251
1525	10.4	10.5	0.6416	2.7438	-0.0005	3.3849	-0.0384	0.031	0.0127	0.0053
1526	10.3	10.5	0.6417	2.7442	-0.0007	3.3852	-0.0467	0.03	0.0124	-0.0043
1527	10.5	10.5	0.6421	2.7443	-0.0007	3.3857	-0.0431	0.0211	0.0119	-0.01
1528	10.8	10.5	0.6425	2.744	-0.0006	3.3858	-0.04	0.0122	0.0126	-0.0152
1529	10.9	10.5	0.643	2.7444	-0.0006	3.3868	-0.036	0.0108	0.0144	-0.0109
1530	10.7	10.5	0.6434	2.7449	-0.0006	3.3877	-0.042	0.0128	0.0119	-0.0173
1531	10.6	10.6	0.6436	2.745	-0.0008	3.3878	-0.0482	0.0133	0.0093	-0.0256
1532	10.5	10.6	0.6432	2.745	-0.0007	3.3875	-0.0442	0.014	0.0093	-0.0209
1533	9.97	10.7	0.6426	2.7449	-0.0007	3.3868	-0.0299	0.0122	0.0134	-0.0043
1534	10.3	10.7	0.6418	2.7448	-0.0008	3.3858	-0.0146	0.0057	0.0187	0.0098
1535	10.8	10.7	0.6417	2.7447	-0.0009	3.3855	0.0134	0.0028	0.0218	0.038
1536	10.6	10.8	0.6425	2.7449	-0.0006	3.3868	0.0138	0.0067	0.0211	0.0417
1537	11	10.8	0.6426	2.7446	-0.0007	3.3865	0.0169	0.009	0.0213	0.0473
1538	10.6	10.9	0.6415	2.7447	-0.0009	3.3853	0.0149	0.0111	0.0207	0.0467
1539	10.8	10.9	0.6382	2.7447	-0.0008	3.3821	0.0134	0.0115	0.0202	0.0451
1540	11	11	0.6365	2.7449	-0.0008	3.3806	0.0079	0.0097	0.0193	0.0369
1541	10.9	11	0.6361	2.7451	-0.0008	3.3804	0.0003	0.0101	0.0176	0.028
1542	11.1	11	0.636	2.7451	-0.0008	3.3803	-0.0045	0.0114	0.0133	0.0201
1543	11.1	11.1	0.6362	2.7451	-0.0008	3.3805	-0.0071	0.0093	0.0099	0.0121
1544	11.4	11.2	0.636	2.745	-0.0008	3.3801	-0.0046	0.0061	0.0041	0.0057
1545	11.4	11.2	0.6352	2.7448	-0.001	3.3791	-0.0008	0.0072	-0.0017	0.0047

1546	11.5	11.3	0.635	2.7446	-0.0011	3.3785	0.0037	-0.002	0.0005	0.0022
1547	11.8	11.3	0.6342	2.7444	-0.0012	3.3774	0.0099	-0.0035	0.0006	0.007
1548	11.3	11.4	0.6326	2.7445	-0.0013	3.3759	0.0087	-0.0001	-0.0006	0.008
1549	11.5	11.4	0.632	2.7447	-0.0014	3.3753	0.0016	0.0077	-0.0014	0.0079
1550	11.4	11.4	0.6328	2.7448	-0.0014	3.3762	0.0031	0.0156	-0.0034	0.0153
1551	11.5	11.4	0.6331	2.7445	-0.0016	3.376	0.0036	0.0181	-0.0045	0.0173
1552	11.3	11.3	0.6328	2.7442	-0.0016	3.3753	0.0043	0.0098	-0.006	0.0082
1553	11.7	11.4	0.6339	2.7439	-0.0017	3.3762	0.0048	0.0016	-0.0051	0.0013
1554	11.2	11.3	0.6349	2.7433	-0.0015	3.3768	0.003	-0.011	-0.0032	-0.0112
1555	11.9	11.3	0.6359	2.7431	-0.0015	3.3775	0.0038	-0.0162	-0.0007	-0.0131
1556	11.5	11.2	0.6362	2.7432	-0.0015	3.3779	0.0066	-0.0188	0.0028	-0.0094
1557	11.6	11.1	0.6366	2.7436	-0.0017	3.3785	0.0111	-0.0133	0.0044	0.0021
1558	11.2	11.1	0.6367	2.7436	-0.002	3.3783	0.0156	-0.0117	-0.0003	0.0036
1559	10.7	11.1	0.636	2.7436	-0.0021	3.3775	0.0153	-0.003	-0.0048	0.0074
1560	11	11.1	0.6352	2.7435	-0.0021	3.3766	0.0124	-0.0029	-0.0083	0.0011
1561	10.8	11	0.6349	2.7433	-0.0021	3.376	0.0105	-0.0079	-0.0107	-0.0081
1562	11.4	11	0.6349	2.7427	-0.0021	3.3755	0.0154	-0.0126	-0.0091	-0.0064
1563	10.8	10.9	0.6349	2.7423	-0.0023	3.375	0.0255	-0.018	-0.0076	-0.0001
1564	10.3	10.8	0.6348	2.7425	-0.0025	3.3748	0.0322	-0.0235	-0.0058	0.003
1565	10.8	10.7	0.6353	2.7424	-0.0024	3.3753	0.0416	-0.0303	-0.0002	0.0111
1566	9.77	10.6	0.6359	2.7419	-0.0022	3.3757	0.0533	-0.0304	0.002	0.0249
1567	10.7	10.6	0.6363	2.742	-0.002	3.3763	0.051	-0.0268	0.0012	0.0254
1568	11.3	10.6	0.6364	2.7415	-0.0021	3.3758	0.0532	-0.0205	0.0033	0.0361
1569	11	10.5	0.6365	2.7413	-0.0018	3.376	0.0553	-0.0121	0.0005	0.0437
1570	10.5	10.5	0.6367	2.7409	-0.0016	3.376	0.0517	-0.0076	0	0.0441
1571	10.3	10.4	0.637	2.7412	-0.0017	3.3766	0.0417	-0.0095	0.0001	0.0323
1572	10.1	10.4	0.6373	2.7415	-0.0015	3.3772	0.0407	-0.0056	0.0056	0.0406
1573	9.83	10.4	0.6375	2.7418	-0.0015	3.3779	0.0437	-0.0092	0.005	0.0395
1574	9.9	10.4	0.6378	2.7419	-0.0015	3.3782	0.0398	-0.0069	0.0048	0.0376
1575	10.2	10.4	0.6377	2.7417	-0.0016	3.3779	0.0372	0.0026	0.007	0.0468
1576	10.8	10.4	0.6377	2.7422	-0.0017	3.3782	0.0336	-0.0042	0.0061	0.0355
1577	10.3	10.4	0.6376	2.7429	-0.002	3.3786	0.0337	-0.0027	0.0035	0.0344
1578	10.1	10.3	0.6373	2.743	-0.0023	3.378	0.0388	-0.0038	0.0048	0.0398
1579	10	10.3	0.6375	2.7426	-0.0023	3.3778	0.0466	-0.0096	0.006	0.043
1580	10	10.3	0.6373	2.7423	-0.0023	3.3773	0.0565	-0.009	0.007	0.0546
1581	10.3	10.3	0.6373	2.7417	-0.0022	3.3768	0.0756	-0.0029	0.0066	0.0793
1582	10.7	10.4	0.6372	2.7414	-0.0025	3.3761	0.0899	0.0014	0.005	0.0963

1583	10.6	10.4	0.6362	2.7417	-0.0027	3.3752	0.0849	-0.0024	0.0056	0.0881
1584	10.3	10.4	0.6349	2.7418	-0.0029	3.3738	0.0957	-0.0081	0.006	0.0936
1585	10.3	10.3	0.6353	2.7417	-0.0029	3.3741	0.094	-0.007	0.0063	0.0933
1586	10.5	10.3	0.6357	2.7417	-0.0029	3.3746	0.0911	-0.0055	0.0065	0.0921
1587	10.4	10.2	0.6362	2.7418	-0.0028	3.3751	0.0925	-0.0009	0.0119	0.1035
1588	10.8	10.2	0.6367	2.7414	-0.0028	3.3753	0.0916	-0.0017	0.0125	0.1025
1589	10.8	10.2	0.6371	2.7411	-0.0029	3.3754	0.085	0.0025	0.0124	0.0999
1590	10.6	10.2	0.6375	2.741	-0.0028	3.3757	0.0461	0.0108	0.014	0.0708
1591	10.4	10.2	0.6378	2.741	-0.0024	3.3764	0.0204	0.017	0.0131	0.0505
1592	9.95	10.1	0.6378	2.7411	-0.0023	3.3766	0.0158	0.0247	0.0104	0.0509
1593	10.2	10.1	0.6376	2.7412	-0.0023	3.3765	0.012	0.0302	0.0096	0.0518
1594	9.49	10.1	0.6377	2.7407	-0.0019	3.3765	0.009	0.0239	0.0104	0.0433
1595	9.2	10.1	0.6376	2.7408	-0.002	3.3764	0.0047	0.0203	0.0101	0.035
1596	9.47	10.1	0.6372	2.7406	-0.0019	3.3759	-0.006	0.0211	0.0085	0.0235
1597	9.99	10.1	0.637	2.7407	-0.0018	3.3759	-0.0076	0.0209	0.0065	0.0198
1598	9.84	10.1	0.637	2.7406	-0.0018	3.3759	-0.0155	0.0215	0.0034	0.0094
1599	9.83	10.1	0.637	2.7401	-0.0015	3.3755	-0.0308	0.0241	0.0002	-0.0065
1600	9.81	10.1	0.637	2.74	-0.0014	3.3755	-0.0396	0.0204	-0.0008	-0.0201
1601	9.6	10	0.637	2.7405	-0.0014	3.3762	-0.0322	0.0166	-0.0008	-0.0164
1602	10.5	10	0.6368	2.7409	-0.0016	3.3762	-0.0307	0.0123	-0.0019	-0.0203
1603	10.1	10.1	0.6368	2.7415	-0.0017	3.3766	-0.0371	0.0102	-0.002	-0.0289
1604	10.3	10.1	0.6369	2.7417	-0.0019	3.3767	-0.0273	0.0076	-0.0042	-0.0239
1605	10.2	10.2	0.6368	2.7421	-0.002	3.3769	-0.0205	-0.0021	-0.005	-0.0276
1606	10.7	10.2	0.6366	2.7416	-0.0019	3.3763	-0.0196	-0.0095	-0.0055	-0.0346
1607	10.4	10.2	0.6366	2.7419	-0.0017	3.3768	-0.0225	-0.0102	-0.006	-0.0387
1608	11	10.2	0.637	2.7414	-0.0015	3.377	-0.0225	-0.0097	-0.0083	-0.0405
1609	10.2	10.2	0.6372	2.7417	-0.0014	3.3775	-0.0272	-0.0131	-0.0112	-0.0516
1610	9.83	10.2	0.6372	2.7417	-0.0012	3.3776	-0.0355	-0.0137	-0.0136	-0.0628
1611	10.3	10.3	0.6372	2.742	-0.0013	3.378	-0.0522	-0.0159	-0.0165	-0.0847
1612	10.6	10.3	0.6372	2.7424	-0.0011	3.3785	-0.0565	-0.0147	-0.0161	-0.0872
1613	10.5	10.3	0.6375	2.7428	-0.0011	3.3792	-0.0512	-0.0207	-0.012	-0.0839
1614	10.4	10.3	0.6376	2.7433	-0.0012	3.3797	-0.0466	-0.0257	-0.0137	-0.0861
1615	10.4	10.3	0.6377	2.7435	-0.0011	3.3801	-0.0425	-0.0265	-0.016	-0.0851
1616	10.2	10.3	0.638	2.7434	-0.0009	3.3805	-0.0369	-0.0305	-0.0158	-0.0831
1617	9.58	10.3	0.6379	2.7432	-0.001	3.3801	-0.0397	-0.0381	-0.0128	-0.0906
1618	10.2	10.2	0.6379	2.743	-0.0006	3.3803	-0.0375	-0.0403	-0.0112	-0.089
1619	9.58	10.3	0.638	2.7434	-0.0006	3.3808	-0.0301	-0.0444	-0.0111	-0.0856

1620	10.3	10.3	0.6385	2.744	-0.0006	3.3819	-0.0211	-0.0463	-0.0072	-0.0746
1621	10.3	10.3	0.6386	2.7437	-0.001	3.3813	-0.0131	-0.0485	-0.0044	-0.066
1622	10.6	10.3	0.6385	2.744	-0.001	3.3815	-0.0064	-0.0452	-0.0046	-0.0562
1623	10.4	10.3	0.6384	2.7437	-0.001	3.3812	-0.0035	-0.042	-0.0028	-0.0482
1624	10.6	10.3	0.6383	2.7438	-0.0012	3.3809	0.0024	-0.0364	-0.002	-0.036
1625	10	10.3	0.6382	2.7443	-0.0011	3.3814	0.0124	-0.033	-0.0012	-0.0218
1626	10.1	10.3	0.6383	2.7445	-0.001	3.3818	0.0169	-0.0308	-0.0036	-0.0175
1627	10.4	10.4	0.6382	2.7447	-0.0012	3.3817	0.019	-0.023	-0.0048	-0.0089
1628	10.6	10.4	0.6378	2.7449	-0.0012	3.3815	0.0234	-0.0169	-0.0067	-0.0001
1629	10.9	10.5	0.6373	2.7453	-0.0013	3.3813	0.0272	-0.02	-0.01	-0.0028
1630	10.1	10.5	0.6359	2.7452	-0.0013	3.3798	0.0305	-0.0239	-0.0102	-0.0036
1631	10.1	10.6	0.6346	2.7449	-0.0013	3.3782	0.0299	-0.0261	-0.0103	-0.0065
1632	10.6	10.6	0.6347	2.7452	-0.0013	3.3787	0.0291	-0.0324	-0.0084	-0.0117
1633	11.1	10.6	0.633	2.7457	-0.0013	3.3774	0.0327	-0.0339	-0.0106	-0.0117
1634	10.6	10.6	0.6324	2.7455	-0.0014	3.3765	0.022	-0.0332	-0.0132	-0.0244
1635	10.5	10.6	0.6326	2.7453	-0.0015	3.3763	0.0079	-0.0363	-0.017	-0.0454
1636	10.5	10.7	0.6333	2.745	-0.0018	3.3764	0.0129	-0.0392	-0.0167	-0.043
1637	10.9	10.7	0.6334	2.7448	-0.0019	3.3763	0.0205	-0.0391	-0.0163	-0.0349
1638	11.1	10.7	0.633	2.7445	-0.0021	3.3753	0.0264	-0.0372	-0.0179	-0.0287
1639	10.8	10.7	0.6336	2.7436	-0.0022	3.375	0.0316	-0.0381	-0.0172	-0.0236
1640	10.9	10.7	0.6345	2.7432	-0.0021	3.3755	0.0353	-0.0442	-0.0178	-0.0268
1641	10.8	10.7	0.6345	2.7426	-0.0018	3.3753	0.0375	-0.0459	-0.0142	-0.0226
1642	10.5	10.7	0.6348	2.7421	-0.0018	3.3751	0.0433	-0.0411	-0.0082	-0.006
1643	11.1	10.7	0.6353	2.7427	-0.0018	3.3762	0.0507	-0.0412	-0.0055	0.004
1644	10.6	10.7	0.6355	2.7429	-0.0018	3.3766	0.0457	-0.034	-0.0015	0.0102
1645	11	10.7	0.6358	2.7427	-0.0018	3.3768	0.04	-0.0314	0.0031	0.0117
1646	11.3	10.6	0.6357	2.7425	-0.0017	3.3765	0.0347	-0.0261	0.0026	0.0112
1647	10.4	10.6	0.6358	2.7422	-0.0015	3.3765	0.0269	-0.0248	0.0015	0.0036
1648	10.4	10.6	0.6357	2.7421	-0.0013	3.3765	0.0221	-0.0192	0.0006	0.0035
1649	11	10.6	0.6359	2.7426	-0.0013	3.3773	0.0204	-0.0194	0.0009	0.0019
1650	10.1	10.5	0.636	2.7431	-0.0013	3.3778	0.0177	-0.0248	0.0038	-0.0033
1651	10.2	10.5	0.6362	2.7433	-0.0014	3.378	0.0159	-0.0304	0.0069	-0.0076
1652	9.89	10.5	0.6365	2.7432	-0.0014	3.3782	0.016	-0.0265	0.0066	-0.004
1653	10.7	10.5	0.6366	2.7432	-0.0013	3.3785	0.0178	-0.0216	0.0061	0.0023
1654	10.4	10.4	0.637	2.7436	-0.001	3.3795	0.0207	-0.0172	0.0052	0.0087
1655	10.2	10.4	0.6378	2.744	-0.001	3.3809	0.0258	-0.0161	0.0052	0.0149
1656	10.3	10.4	0.6385	2.7443	-0.0009	3.3818	0.0321	-0.0132	0.0032	0.022

1657	10.3	10.4	0.6388	2.7446	-0.0008	3.3825	0.0303	-0.0162	0.0059	0.02
1658	10.6	10.4	0.6394	2.7449	-0.0009	3.3835	0.0342	-0.0068	0.0066	0.034
1659	9.98	10.4	0.6396	2.7449	-0.0007	3.3838	0.0438	-0.009	0.0061	0.0409
1660	10.5	10.5	0.6404	2.7451	-0.0004	3.3851	0.0507	-0.0082	0.0081	0.0506
1661	10.6	10.5	0.6405	2.7447	-0.0005	3.3847	0.0514	-0.0077	0.0115	0.0552
1662	10.2	10.6	0.64	2.7448	-0.0009	3.3839	0.0534	-0.0022	0.0115	0.0627
1663	10.5	10.6	0.6396	2.7449	-0.0009	3.3836	0.0606	0.0008	0.0108	0.0722
1664	10.7	10.6	0.6391	2.7451	-0.0009	3.3833	0.0641	0.0024	0.0117	0.0782
1665	10.2	10.6	0.639	2.7454	-0.0008	3.3836	0.0606	0.0107	0.0109	0.0821
1666	10.7	10.6	0.6399	2.7457	-0.0009	3.3847	0.0603	0.0132	0.0112	0.0848
1667	11	10.6	0.6401	2.746	-0.0009	3.3852	0.0599	0.0205	0.0135	0.0939
1668	10.7	10.7	0.6394	2.7459	-0.0009	3.3844	0.0504	0.0143	0.0123	0.077
1669	11.1	10.7	0.6386	2.746	-0.0011	3.3834	0.0509	0.0159	0.0137	0.0804
1670	11.4	10.8	0.638	2.7458	-0.0012	3.3826	0.0539	0.0238	0.017	0.0947
1671	10.6	10.8	0.6377	2.7457	-0.0012	3.3822	0.0583	0.0292	0.0171	0.1045
1672	10.7	10.8	0.6376	2.7457	-0.0013	3.382	0.0618	0.0295	0.0159	0.1072
1673	10.5	10.8	0.6373	2.7455	-0.0013	3.3815	0.06	0.0323	0.0216	0.1139
1674	10.3	10.8	0.6365	2.7452	-0.0014	3.3804	0.0589	0.0236	0.0218	0.1043
1675	11	10.8	0.636	2.7448	-0.0012	3.3796	0.0542	0.0224	0.0149	0.0915
1676	11	10.8	0.6358	2.7445	-0.0012	3.3791	0.0428	0.029	0.012	0.0838
1677	11.5	10.8	0.6353	2.7446	-0.0013	3.3786	0.0193	0.0315	0.008	0.0588
1678	11.2	10.8	0.6346	2.745	-0.0013	3.3783	-0.0016	0.032	0.0045	0.0349
1679	11.4	10.8	0.6344	2.745	-0.0013	3.3781	-0.013	0.0297	0.0046	0.0213
1680	10.5	10.7	0.6343	2.7449	-0.0013	3.378	-0.0186	0.0285	0.0036	0.0135
1681	10.6	10.7	0.6344	2.7449	-0.0014	3.3779	-0.0356	0.0236	0.003	-0.009
1682	10.7	10.7	0.6339	2.7448	-0.0014	3.3773	-0.0464	0.0179	0.0013	-0.0272
1683	10.1	10.7	0.634	2.7451	-0.0013	3.3777	-0.0389	0.0158	0.0029	-0.0203
1684	10.6	10.8	0.6341	2.7455	-0.0012	3.3784	-0.0446	0.0167	0.002	-0.0259
1685	10.7	10.8	0.634	2.7457	-0.0012	3.3784	-0.0408	0.0149	-0.0011	-0.027
1686	10.9	10.8	0.6337	2.7456	-0.0012	3.3781	-0.0278	0.0119	-0.003	-0.0189
1687	10.7	10.7	0.6335	2.7455	-0.001	3.378	-0.0172	0.0097	-0.0039	-0.0115
1688	10.7	10.7	0.6335	2.7452	-0.0011	3.3777	-0.0111	0.0084	-0.0042	-0.0069
1689	10	10.7	0.6336	2.7456	-0.0011	3.3781	-0.0122	0.0069	-0.0046	-0.0099
1690	10.3	10.7	0.6338	2.7456	-0.0014	3.378	-0.0003	-0.0015	-0.0036	-0.0054
1691	10.6	10.7	0.6335	2.7451	-0.0016	3.377	0.0119	-0.0105	-0.0036	-0.0022
1692	11.2	10.7	0.6327	2.7452	-0.0018	3.3762	0.0141	-0.0152	-0.0042	-0.0053
1693	11.2	10.7	0.633	2.7446	-0.0021	3.3755	0.019	-0.0162	-0.0066	-0.0038

1694	11.1	10.7	0.6337	2.7439	-0.0022	3.3753	0.0261	-0.01	-0.0073	0.0088
1695	10.7	10.6	0.6341	2.7434	-0.0022	3.3753	0.0256	-0.011	-0.0054	0.0092
1696	10.7	10.6	0.6345	2.743	-0.002	3.3755	0.0317	-0.0162	-0.0041	0.0114
1697	11.1	10.5	0.6348	2.7427	-0.0019	3.3756	0.0303	-0.0207	-0.0012	0.0084
1698	10.5	10.5	0.635	2.7425	-0.0018	3.3757	0.0362	-0.0218	0.003	0.0174
1699	10.5	10.6	0.6352	2.7426	-0.0019	3.3759	0.0428	-0.0206	0.0071	0.0293
1700	10.3	10.5	0.6354	2.743	-0.0021	3.3763	0.0523	-0.0132	0.0085	0.0476
1701	10.8	10.5	0.6354	2.7432	-0.002	3.3766	0.0617	-0.0108	0.0115	0.0625
1702	10.4	10.5	0.6351	2.743	-0.0022	3.3759	0.0754	-0.0059	0.0136	0.0831
1703	10.5	10.4	0.6347	2.7432	-0.0022	3.3757	0.0876	-0.0041	0.0157	0.0992
1704	9.92	10.4	0.6343	2.7433	-0.0024	3.3752	0.0885	0.004	0.0193	0.1117
1705	9.61	10.4	0.6336	2.7434	-0.0023	3.3747	0.0881	0.014	0.023	0.1251
1706	9.92	10.4	0.6336	2.7432	-0.0025	3.3743	0.095	0.02	0.0235	0.1385
1707	10.5	10.3	0.6332	2.7425	-0.0023	3.3734	0.0959	0.0232	0.0234	0.1424
1708	10.9	10.3	0.6327	2.7423	-0.0021	3.3729	0.0948	0.0265	0.0236	0.1449
1709	9.83	10.3	0.6321	2.7425	-0.0022	3.3724	0.098	0.0347	0.0225	0.1552
1710	10.2	10.3	0.632	2.7425	-0.0024	3.3721	0.094	0.0421	0.0219	0.1579
1711	10.1	10.3	0.6319	2.7423	-0.0024	3.3717	0.0979	0.0474	0.0245	0.1698
1712	10.5	10.3	0.6311	2.7423	-0.0022	3.3712	0.0971	0.0443	0.025	0.1665
1713	10.3	10.3	0.631	2.7426	-0.0022	3.3714	0.091	0.044	0.021	0.1559
1714	10.2	10.3	0.6315	2.7423	-0.0023	3.3715	0.0843	0.0434	0.0197	0.1475
1715	10.5	10.3	0.6317	2.7422	-0.0022	3.3717	0.0763	0.0481	0.0166	0.1409
1716	10.5	10.3	0.632	2.7414	-0.0023	3.3711	0.0731	0.0485	0.0146	0.1361
1717	11	10.3	0.6329	2.7417	-0.0022	3.3724	0.0782	0.0468	0.0121	0.1371
1718	10.3	10.3	0.6328	2.7414	-0.002	3.3722	0.0754	0.0452	0.0078	0.1284
1719	9.91	10.3	0.6326	2.741	-0.0023	3.3713	0.0637	0.0419	0.0027	0.1084
1720	10.2	10.3	0.6327	2.7411	-0.0023	3.3714	0.0531	0.0389	0.0011	0.0932
1721	10.8	10.3	0.6324	2.7408	-0.0026	3.3706	0.052	0.0301	0.0016	0.0838
1722	10.3	10.3	0.6325	2.7408	-0.0031	3.3702	0.0531	0.0233	0.004	0.0804
1723	10.5	10.3	0.6326	2.7413	-0.0032	3.3707	0.0523	0.0191	0.0028	0.0742
1724	10.3	10.3	0.6328	2.7416	-0.0027	3.3717	0.0481	0.0173	0.0028	0.0683
1725	9.64	10.3	0.634	2.7414	-0.0023	3.373	0.0394	0.0136	0.003	0.056
1726	9.89	10.2	0.6364	2.7414	-0.0018	3.3759	0.0324	0.0131	0.0048	0.0504
1727	10.4	10.2	0.6384	2.7415	-0.0016	3.3782	0.03	0.0079	0.004	0.0419
1728	10.1	10.2	0.6391	2.742	-0.0017	3.3794	0.0213	0.0037	0.0039	0.0289
1729	10.1	10.3	0.6392	2.7424	-0.0016	3.38	0.0105	0.0032	0.0028	0.0165
1730	10.5	10.3	0.6394	2.7428	-0.0016	3.3807	0.0076	0.0031	0.0017	0.0125

1731	10.7	10.3	0.6392	2.7431	-0.0014	3.3809	0.0071	0.0006	-0.0005	0.0072
1732	9.88	10.2	0.6386	2.7437	-0.0016	3.3807	0.0083	0.0005	-0.0048	0.0041
1733	10.3	10.2	0.6375	2.744	-0.0015	3.38	0.0032	-0.0047	-0.0055	-0.007
1734	10.1	10.2	0.6365	2.744	-0.0013	3.3792	0.002	-0.0065	-0.004	-0.0084
1735	9.94	10.3	0.6354	2.7441	-0.0012	3.3782	0.0012	-0.0068	-0.0013	-0.0069
1736	10.2	10.3	0.635	2.744	-0.0014	3.3776	-0.004	-0.006	-0.0019	-0.0119
1737	10.8	10.3	0.6345	2.7439	-0.0015	3.377	0.0013	-0.0065	-0.0001	-0.0052
1738	10.6	10.2	0.6342	2.7438	-0.0017	3.3763	0.0121	-0.0062	0.0026	0.0085
1739	10.3	10.2	0.6336	2.7438	-0.0018	3.3756	0.0149	-0.0103	0.003	0.0076
1740	10.3	10.2	0.6333	2.7442	-0.0017	3.3758	0.0366	-0.0064	0.0039	0.0342
1741	10.2	10.2	0.6331	2.7442	-0.0014	3.3759	0.0561	-0.0089	0.0011	0.0483
1742	10.3	10.2	0.6329	2.7437	-0.0011	3.3755	0.0619	-0.0097	0.0009	0.0531
1743	10.1	10.2	0.6327	2.7437	-0.0011	3.3753	0.0581	-0.0071	-0.0008	0.0502
1744	10.1	10.3	0.6329	2.744	-0.0013	3.3757	0.0606	-0.0156	-0.006	0.039
1745	9.99	10.3	0.6326	2.7444	-0.0014	3.3756	0.0686	-0.0236	-0.0057	0.0394
1746	10.3	10.3	0.6327	2.7446	-0.0016	3.3757	0.0739	-0.0301	-0.0033	0.0406
1747	10	10.3	0.6322	2.7444	-0.0018	3.3748	0.0737	-0.0347	0.0012	0.0402
1748	10	10.3	0.6314	2.7442	-0.002	3.3736	0.0665	-0.0339	0.003	0.0355
1749	10.2	10.3	0.6307	2.744	-0.0022	3.3725	0.0582	-0.0315	0.0046	0.0314
1750	10	10.3	0.6298	2.7442	-0.0025	3.3716	0.0507	-0.0286	0.0048	0.0269
1751	10.3	10.3	0.6286	2.7439	-0.0028	3.3697	0.0445	-0.0264	0.0054	0.0235
1752	10.4	10.3	0.6277	2.7436	-0.003	3.3683	0.0453	-0.0247	0.0059	0.0265
1753	10.7	10.2	0.6278	2.7428	-0.0032	3.3674	0.0424	-0.0266	0.0045	0.0203
1754	10.9	10.2	0.6281	2.7422	-0.0033	3.367	0.0394	-0.0254	0.0042	0.0181
1755	10.8	10.2	0.6283	2.742	-0.0033	3.3671	0.0354	-0.0244	0.0022	0.0131
1756	10.8	10.2	0.6289	2.7419	-0.0032	3.3676	0.0283	-0.0237	0.0031	0.0077
1757	10.5	10.2	0.6293	2.7419	-0.0032	3.368	0.0282	-0.0258	0.0012	0.0037
1758	10.1	10.2	0.6296	2.7414	-0.0031	3.3679	0.0247	-0.0333	0.0028	-0.0058
1759	10.1	10.2	0.6302	2.7407	-0.0029	3.368	0.0189	-0.0358	0.0055	-0.0114
1760	9.82	10.2	0.6307	2.7403	-0.0029	3.3681	0.0131	-0.0345	0.0049	-0.0166
1761	10.1	10.2	0.6308	2.7403	-0.003	3.3681	0.0123	-0.0354	0.0025	-0.0206
1762	9.35	10.1	0.6309	2.7404	-0.003	3.3683	0.0109	-0.038	0.0022	-0.0249
1763	10.1	10.1	0.6311	2.7406	-0.0029	3.3688	0.0025	-0.0379	0.0047	-0.0307
1764	10	10	0.6314	2.7403	-0.0025	3.3692	0.0015	-0.0354	0.0044	-0.0295
1765	9.9	9.95	0.6317	2.7406	-0.0023	3.37	0.0073	-0.0394	0.0036	-0.0285
1766	9.93	9.85	0.6321	2.7411	-0.0021	3.371	0.0093	-0.0408	0.0045	-0.0271
1767	10.1	9.79	0.6325	2.7415	-0.0017	3.3724	0.0133	-0.0508	0.0039	-0.0337

1768	9.91	9.78	0.633	2.7417	-0.0012	3.3736	0.0239	-0.0471	0.0048	-0.0185
1769	9.66	9.77	0.6333	2.7421	-0.0012	3.3741	0.0232	-0.0515	0.0073	-0.0211
1770	9.88	9.76	0.6328	2.7428	-0.0014	3.3742	0.0208	-0.0573	0.0038	-0.0327
1771	9.96	9.74	0.6324	2.7434	-0.0016	3.3741	0.022	-0.0571	0.0036	-0.0315
1772	9.76	9.77	0.6324	2.7438	-0.0016	3.3746	0.019	-0.0615	0.0002	-0.0423
1773	9.69	9.76	0.6325	2.7437	-0.0016	3.3746	0.0203	-0.062	-0.0069	-0.0485
1774	9.35	9.78	0.6326	2.7439	-0.0017	3.3748	0.0214	-0.0558	-0.0071	-0.0416
1775	9.02	9.8	0.6328	2.7435	-0.0017	3.3746	0.0254	-0.0533	-0.0011	-0.029
1776	9.37	9.85	0.6328	2.7437	-0.0016	3.3749	0.0407	-0.0572	0.0037	-0.0128
1777	9.94	9.87	0.6331	2.7443	-0.0017	3.3757	0.0737	-0.058	0.0103	0.0259
1778	9.91	9.88	0.6335	2.7447	-0.0016	3.3766	0.1019	-0.0573	0.0138	0.0584
1779	9.58	9.9	0.6337	2.7447	-0.0015	3.3769	0.1136	-0.0513	0.0131	0.0755
1780	9.63	9.94	0.6336	2.7449	-0.0012	3.3773	0.1167	-0.0455	0.0138	0.085
1781	9.88	9.95	0.6336	2.7449	-0.0009	3.3775	0.1218	-0.0404	0.0144	0.0958
1782	10	9.98	0.6336	2.7453	-0.0008	3.378	0.1207	-0.0373	0.0171	0.1005
1783	10.3	10	0.6338	2.7457	-0.001	3.3785	0.1137	-0.0292	0.015	0.0995
1784	10.3	10.1	0.634	2.7462	-0.0011	3.3791	0.0981	-0.0245	0.0166	0.0902
1785	10.8	10.2	0.6344	2.7463	-0.001	3.3796	0.0844	-0.0248	0.0199	0.0795
1786	10.5	10.2	0.6335	2.7463	-0.0012	3.3786	0.0683	-0.024	0.0211	0.0654
1787	10.2	10.3	0.6323	2.7461	-0.0013	3.3772	0.0636	-0.0257	0.0185	0.0564
1788	10.1	10.3	0.632	2.7463	-0.0014	3.3769	0.0576	-0.027	0.0171	0.0476
1789	10.6	10.4	0.6299	2.7462	-0.0015	3.3746	0.0527	-0.0303	0.0151	0.0375
1790	10.2	10.4	0.6282	2.7465	-0.0015	3.3732	0.0445	-0.0304	0.0125	0.0265
1791	10.2	10.5	0.6273	2.7461	-0.0017	3.3717	0.0398	-0.024	0.0143	0.0301
1792	10.4	10.5	0.6269	2.7459	-0.0017	3.3712	0.0378	-0.0253	0.02	0.0325
1793	10.7	10.5	0.627	2.7461	-0.0015	3.3716	0.0343	-0.0335	0.0259	0.0268
1794	10.6	10.5	0.6268	2.7462	-0.0017	3.3714	0.0318	-0.0346	0.0269	0.0242
1795	10.7	10.6	0.6267	2.7464	-0.0019	3.3712	0.0362	-0.029	0.024	0.0313
1796	10.5	10.7	0.6271	2.7465	-0.0021	3.3715	0.0315	-0.0233	0.0221	0.0304
1797	10.4	10.7	0.6281	2.7461	-0.0022	3.372	0.033	-0.0195	0.0188	0.0323
1798	10.7	10.7	0.6292	2.7456	-0.0023	3.3725	0.0239	-0.0236	0.0151	0.0153
1799	10.9	10.8	0.6301	2.7454	-0.0024	3.3732	0.0099	-0.0284	0.0115	-0.007
1800	10.9	10.9	0.6309	2.7456	-0.0026	3.374	-0.0046	-0.0328	0.0089	-0.0285