Test Name	**PLY, WC, rep 2**
Cladding	**Plywood**
Cladding Thickness [mm]	**12**
Insulation	**Water-cooled steel plate**
Insulation Thickness [mm]	
Cavity Width [mm]	**50**
Repetition Number	**2**
Mass Flow Rate (Propane)	**0.2**
Description	This experiment is on a system consisting of a Plywood cladding panel and a Water-cooled steel plate insulation panel, separated with a cavity of 50 mm width. It is the second repetition of this system configuration.
Experiment Notes	At approximately 6 minutes the plywood panel began to touch the insulation panel, affecting the mass measurements.
Peak HRR [kW]	**63.8**
Time to Peak HRR [mins]	**9.53**
Residual HRR [kW]	**2.95**
Total HR [MJ]	**21.8**
Peak dQ/dt [kW/s]	**0.322**
Time to Peak dQ/dt [s]	**8.9**

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	0.447	0.447	3.9492	0	-0.0008	3.9484	0.6146	0	0.014	0.6286
1	0.354	0.434	3.9489	0	-0.0008	3.9481	0.6023	0	0.0137	0.6161
2	0.5	0.546	3.9482	0	-0.0009	3.9473	0.6263	0	0.0135	0.6398
3	0.54	0.857	3.9474	0	-0.0009	3.9465	0.6527	0	0.0115	0.6642
4	0.889	1.38	3.947	0	-0.001	3.946	0.6827	0	0.0111	0.6938
5	1.33	1.99	3.9466	0	-0.001	3.9456	0.7217	0	0.0122	0.734
6	1.94	2.5	3.946	0	-0.001	3.945	0.7617	0	0.0125	0.7742
7	2.8	2.95	3.9458	0	-0.001	3.9448	0.7899	0	0.0123	0.8021
8	3.65	3.41	3.9458	0	-0.001	3.9448	0.8078	0	0.0121	0.8198
9	4.46	3.88	3.9457	0	-0.0009	3.9448	0.8266	0	0.0119	0.8384
10	4.93	4.26	3.9462	0	-0.0009	3.9453	0.8421	0	0.0111	0.8532
11	5.05	4.65	3.9461	0	-0.0009	3.9452	0.8454	0	0.0098	0.8553
12	5.59	5.05	3.946	0	-0.0008	3.9452	0.851	0	0.0097	0.8606
13	5.67	5.47	3.9451	0	-0.001	3.9441	0.86	0	0.0095	0.8695
14	6.05	5.87	3.9433	0	-0.001	3.9423	0.8619	0	0.0093	0.8712
15	6.7	6.24	3.9418	0	-0.001	3.9408	0.8543	0	0.0077	0.862
16	7.01	6.6	3.9408	0	-0.001	3.9398	0.8672	0	0.0089	0.8761
17	7.79	6.91	3.9405	0	-0.001	3.9395	0.872	0	0.0077	0.8798
18	7.94	7.19	3.9401	0	-0.0011	3.939	0.8635	0	0.0074	0.8708
19	7.72	7.42	3.9394	0	-0.0011	3.9384	0.8659	0	0.0082	0.8741
20	7.83	7.65	3.9385	0	-0.001	3.9375	0.8656	0	0.0094	0.8751
21	8.07	7.85	3.9375	0	-0.0011	3.9364	0.862	0	0.0099	0.8719
22	8.42	8.03	3.9366	0	-0.001	3.9356	0.8603	0	0.0091	0.8694
23	8.51	8.23	3.9348	0	-0.0011	3.9337	0.86	0	0.0077	0.8677
24	8.48	8.43	3.9323	0	-0.0011	3.9312	0.8559	0	0.0072	0.8631
25	8.66	8.62	3.9318	0	-0.0011	3.9307	0.846	0	0.0077	0.8537
26	8.72	8.81	3.93	0	-0.0011	3.9289	0.8406	0	0.0066	0.8472
27	9.02	8.94	3.9281	0	-0.001	3.9271	0.8334	0	0.0065	0.8399
28	8.85	9.08	3.9272	0	-0.0011	3.9261	0.8287	0	0.0064	0.8351

29	9.26	9.22	3.9259	0	-0.001	3.9249	0.8264	0	0.0087	0.835
30	8.92	9.35	3.925	0	-0.0009	3.924	0.8262	0	0.0098	0.836
31	8.94	9.48	3.9242	0	-0.001	3.9233	0.8225	0	0.0099	0.8324
32	9.5	9.61	3.9234	0	-0.001	3.9224	0.8198	0	0.0098	0.8296
33	9.83	9.76	3.9232	0	-0.0011	3.9221	0.8177	0	0.0096	0.8274
34	10.3	9.89	3.9238	0	-0.0013	3.9225	0.8247	0	0.0095	0.8342
35	10.7	10	3.9239	0	-0.0014	3.9225	0.8351	0	0.0094	0.8445
36	10.2	10.1	3.9225	0	-0.0014	3.9211	0.8372	0	0.0093	0.8465
37	10.7	10.2	3.9208	0	-0.0015	3.9193	0.8358	0	0.0092	0.845
38	10.3	10.3	3.9211	0	-0.0015	3.9196	0.8402	0	0.0091	0.8492
39	10.3	10.4	3.9206	0	-0.0015	3.9191	0.8385	0	0.0088	0.8473
40	10.6	10.5	3.9212	0	-0.0015	3.9197	0.8346	0	0.0078	0.8423
41	11	10.6	3.922	0	-0.0015	3.9205	0.8323	0	0.0077	0.8399
42	11.2	10.6	3.9221	0	-0.0015	3.9206	0.8163	0	0.0076	0.8239
43	10.9	10.7	3.9219	0	-0.0014	3.9204	0.8026	0	0.0067	0.8093
44	11	10.7	3.9213	0	-0.0014	3.9199	0.7952	0	0.0064	0.8016
45	10.9	10.6	3.9209	0	-0.0014	3.9195	0.7871	0	0.0063	0.7934
46	10.8	10.6	3.9205	0	-0.0015	3.919	0.7847	0	0.0063	0.791
47	11.1	10.6	3.9197	0	-0.0015	3.9182	0.7885	0	0.0057	0.7942
48	10.5	10.6	3.9191	0	-0.0015	3.9176	0.7886	0	0.0051	0.7937
49	10.3	10.7	3.9191	0	-0.0015	3.9176	0.7844	0	0.0054	0.7898
50	10.6	10.7	3.9191	0	-0.0015	3.9176	0.7876	0	0.0058	0.7934
51	10.2	10.6	3.9173	0	-0.0015	3.9158	0.7963	0	0.005	0.8013
52	10.9	10.6	3.9152	0	-0.0014	3.9138	0.8066	0	0.0049	0.8115
53	10.5	10.6	3.913	0	-0.0014	3.9116	0.8124	0	0.0032	0.8155
54	10.1	10.6	3.9101	0	-0.0015	3.9087	0.807	0	0.003	0.81
55	10	10.6	3.9072	0	-0.0015	3.9057	0.8125	0	0.0015	0.814
56	10.3	10.6	3.9048	0	-0.0015	3.9033	0.8168	0	0.001	0.8178
57	10.8	10.6	3.903	0	-0.0015	3.9015	0.8246	0	0.001	0.8256
58	10.7	10.7	3.9011	0	-0.0015	3.8996	0.8338	0	0.001	0.8348
59	10.4	10.8	3.8993	0	-0.0015	3.8978	0.842	0	0.0013	0.8433
60	10.7	10.8	3.8983	0	-0.0014	3.8969	0.8497	0	0.0015	0.8512
61	10.8	10.8	3.8971	0	-0.0014	3.8957	0.8615	0	0.0014	0.8629
62	10.8	10.8	3.8957	0	-0.0014	3.8943	0.8623	0	0.0024	0.8647
63	11.4	10.9	3.8947	0	-0.0014	3.8933	0.8574	0	0.0043	0.8617
64	10.7	10.9	3.8943	0	-0.0013	3.893	0.8385	0	0.003	0.8415
65	11.3	10.9	3.8926	0	-0.0014	3.8912	0.8085	0	0.002	0.8105

66	11.1	11	3.8914	0	-0.0013	3.8901	0.7767	0	0.002	0.7787
67	11.2	11	3.8911	0	-0.0013	3.8898	0.7668	0	0.0039	0.7706
68	11.6	11	3.8901	0	-0.0014	3.8887	0.7733	0	0.004	0.7773
69	11.3	11.1	3.8892	0	-0.0015	3.8878	0.7736	0	0.0027	0.7763
70	11	11.1	3.8886	0	-0.0015	3.8871	0.7737	0	0.0032	0.7769
71	11	11.1	3.8879	0	-0.0015	3.8864	0.7785	0	0.0042	0.7827
72	11	11.2	3.8871	0	-0.0014	3.8857	0.7861	0	0.0038	0.7899
73	10.9	11.1	3.8865	0	-0.0013	3.8852	0.7887	0	0.0042	0.793
74	10.4	11.2	3.8864	0	-0.0014	3.885	0.7741	0	0.0044	0.7785
75	11.3	11.1	3.886	0	-0.0013	3.8847	0.7525	0	0.005	0.7575
76	11.3	11.1	3.8857	0	-0.0013	3.8844	0.7473	0	0.0045	0.7519
77	11.1	11.1	3.8852	0	-0.0013	3.8839	0.7209	0	0.003	0.7239
78	11.1	11.1	3.8846	0	-0.0015	3.8831	0.7003	0	0.0039	0.7042
79	11.3	11.1	3.8837	0	-0.0016	3.8822	0.7039	0	0.0042	0.7081
80	11.4	11.1	3.8832	0	-0.0016	3.8816	0.694	0	0.0047	0.6987
81	11.4	11.1	3.8826	0	-0.0016	3.881	0.6874	0	0.0065	0.6939
82	11.1	11.1	3.882	0	-0.0016	3.8804	0.6857	0	0.0073	0.693
83	11.1	11.1	3.8806	0	-0.0016	3.879	0.6856	0	0.0052	0.6907
84	11	11.1	3.8789	0	-0.0016	3.8773	0.6905	0	0.003	0.6936
85	11	11.1	3.8778	0	-0.0016	3.8762	0.6988	0	0.002	0.7007
86	11.4	11.1	3.8771	0	-0.0016	3.8755	0.6968	0	0.0005	0.6974
87	11.1	11.1	3.8759	0	-0.0016	3.8743	0.6771	0	-0.0001	0.6769
88	11.5	11.1	3.8752	0	-0.0016	3.8736	0.6562	0	-0.0004	0.6557
89	11.2	11.1	3.8747	0	-0.0015	3.8732	0.6609	0	0.0008	0.6617
90	10.6	11.1	3.8741	0	-0.0015	3.8726	0.6642	0	0	0.6642
91	10.8	11.1	3.8747	0	-0.0015	3.8732	0.6741	0	-0.0001	0.674
92	10.6	11.1	3.8752	0	-0.0014	3.8738	0.6857	0	-0.001	0.6847
93	10.8	11.1	3.8751	0	-0.0014	3.8737	0.6891	0	-0.0019	0.6872
94	11.2	11.1	3.8751	0	-0.0014	3.8737	0.7004	0	-0.0014	0.699
95	11.4	11.1	3.8745	0	-0.0014	3.8731	0.6977	0	0.0005	0.6982
96	11.1	11.1	3.8734	0	-0.0014	3.872	0.6899	0	0.0012	0.6911
97	10.8	11	3.8726	0	-0.0013	3.8713	0.6816	0	0.0016	0.6832
98	11	11	3.8722	0	-0.0013	3.8709	0.6749	0	0.0025	0.6774
99	11.4	11	3.8711	0	-0.0014	3.8697	0.6716	0	0.0038	0.6754
100	11.6	11.1	3.8696	0	-0.0013	3.8683	0.6705	0	0.005	0.6755
101	11.1	11.1	3.8683	0	-0.0013	3.867	0.6717	0	0.0052	0.6769
102	10.7	11.2	3.867	0	-0.0012	3.8658	0.6626	0	0.006	0.6686

103	11.1	11.3	3.8667	0	-0.0012	3.8655	0.6481	0	0.0069	0.655
104	11.1	11.3	3.8658	0	-0.0011	3.8646	0.6327	0	0.007	0.6397
105	10.8	11.3	3.8649	0	-0.0011	3.8638	0.6144	0	0.0063	0.6206
106	10.9	11.4	3.8636	0	-0.0011	3.8625	0.5883	0	0.0052	0.5935
107	11.3	11.4	3.8624	0	-0.0011	3.8613	0.5747	0	0.0043	0.579
108	11.5	11.4	3.8616	0	-0.0011	3.8605	0.5645	0	0.0033	0.5679
109	11.7	11.4	3.8608	0	-0.0011	3.8597	0.5536	0	0.003	0.5566
110	11.7	11.4	3.86	0	-0.001	3.859	0.5432	0	0.0028	0.546
111	11.7	11.5	3.8599	0	-0.0011	3.8587	0.5378	0	0.0034	0.5413
112	12.1	11.5	3.8603	0	-0.0012	3.859	0.5338	0	0.004	0.5378
113	11.7	11.5	3.8612	0	-0.0013	3.8599	0.5343	0	0.0037	0.538
114	12	11.6	3.8625	0	-0.0012	3.8613	0.5401	0	0.0028	0.5429
115	11.9	11.6	3.8641	0	-0.0012	3.8629	0.5435	0	0.0028	0.5463
116	11.7	11.7	3.8641	0	-0.0014	3.8627	0.5418	0	0.0012	0.5431
117	11.3	11.7	3.8632	0	-0.0014	3.8618	0.5411	0	0.0038	0.5449
118	11.6	11.7	3.8627	0	-0.0013	3.8614	0.552	0	0.0058	0.5578
119	11.3	11.7	3.862	0	-0.0014	3.8607	0.5446	0	0.0045	0.5491
120	11.6	11.7	3.8607	0	-0.0015	3.8592	0.5372	0	0.0034	0.5406
121	11.5	11.7	3.8589	0	-0.0014	3.8574	0.5381	0	0.003	0.5411
122	11.5	11.7	3.8577	0	-0.0014	3.8563	0.5387	0	0.0034	0.5422
123	11.9	11.7	3.8573	0	-0.0015	3.8558	0.5362	0	0.0049	0.5411
124	12	11.6	3.857	0	-0.0016	3.8554	0.5348	0	0.0044	0.5391
125	11.8	11.6	3.8571	0	-0.0016	3.8555	0.5373	0	0.0019	0.5392
126	11.7	11.6	3.8579	0	-0.0014	3.8565	0.5439	0	0.0026	0.5464
127	11.5	11.6	3.8581	0	-0.0014	3.8567	0.5676	0	0.0042	0.5718
128	11.5	11.6	3.8568	0	-0.0015	3.8553	0.5876	0	0.0051	0.5928
129	11.5	11.6	3.8565	0	-0.0015	3.855	0.5993	0	0.0041	0.6034
130	12.1	11.6	3.8562	0	-0.0016	3.8547	0.6022	0	0.0022	0.6044
131	11.6	11.6	3.8557	0	-0.0017	3.854	0.6212	0	0.0011	0.6223
132	11.4	11.6	3.8549	0	-0.0016	3.8533	0.635	0	0.0018	0.6368
133	11.4	11.6	3.8542	0	-0.0014	3.8527	0.6443	0	0.0013	0.6455
134	11.9	11.6	3.8539	0	-0.0015	3.8524	0.6418	0	0.0004	0.6422
135	12.1	11.6	3.8542	0	-0.0015	3.8528	0.64	0	0	0.64
136	11.5	11.5	3.8548	0	-0.0014	3.8534	0.6489	0	0	0.6489
137	11.3	11.5	3.8552	0	-0.0015	3.8537	0.6569	0	0	0.6569
138	11.5	11.6	3.855	0	-0.0016	3.8534	0.659	0	0	0.659
139	11.3	11.6	3.8542	0	-0.0015	3.8527	0.67	0	0.0007	0.6707

140	11.3	11.6	3.8538	0	-0.0015	3.8523	0.6756	0	0.0035	0.6791
141	11.9	11.5	3.8534	0	-0.0014	3.852	0.6809	0	0.0062	0.6871
142	11.8	11.5	3.8532	0	-0.0013	3.8519	0.6945	0	0.0081	0.7026
143	10.9	11.6	3.8518	0	-0.0013	3.8505	0.7028	0	0.0116	0.7144
144	11.5	11.6	3.8516	0	-0.0014	3.8501	0.7001	0	0.012	0.7121
145	11.2	11.6	3.8519	0	-0.0016	3.8504	0.6924	0	0.012	0.7044
146	11.7	11.6	3.8523	0	-0.0017	3.8507	0.6763	0	0.0113	0.6876
147	11.9	11.7	3.8522	0	-0.0017	3.8505	0.6642	0	0.0108	0.675
148	11.7	11.7	3.8519	0	-0.0019	3.8501	0.6611	0	0.011	0.6721
149	11.7	11.8	3.8521	0	-0.002	3.8501	0.6613	0	0.0107	0.672
150	11.4	11.8	3.852	0	-0.002	3.8499	0.653	0	0.0102	0.6633
151	11.4	11.8	3.851	0	-0.0021	3.8489	0.6403	0	0.011	0.6513
152	12.2	11.8	3.8504	0	-0.0021	3.8483	0.6297	0	0.0106	0.6403
153	12.5	11.9	3.8497	0	-0.0021	3.8476	0.6205	0	0.01	0.6305
154	12	11.9	3.8487	0	-0.0021	3.8466	0.6203	0	0.01	0.6303
155	11.7	12	3.8484	0	-0.002	3.8463	0.6116	0	0.0109	0.6224
156	12.3	12.1	3.8473	0	-0.0019	3.8454	0.6057	0	0.011	0.6167
157	12.1	12.2	3.8465	0	-0.0018	3.8447	0.6054	0	0.0127	0.6181
158	12	12.2	3.8457	0	-0.0018	3.8439	0.6112	0	0.013	0.6242
159	12	12.2	3.845	0	-0.0017	3.8432	0.6148	0	0.0143	0.6291
160	12	12.3	3.8445	0	-0.0017	3.8427	0.6174	0	0.0149	0.6323
161	12.3	12.4	3.8437	0	-0.0018	3.8419	0.6225	0	0.0151	0.6376
162	12.5	12.4	3.8422	0	-0.0018	3.8405	0.6341	0	0.0151	0.6491
163	12.5	12.4	3.8407	0	-0.0017	3.839	0.6483	0	0.0151	0.6634
164	13	12.5	3.84	0	-0.0016	3.8384	0.6654	0	0.0144	0.6798
165	12.2	12.6	3.8384	0	-0.0015	3.8369	0.6934	0	0.0128	0.7063
166	13.7	12.7	3.8373	0	-0.0017	3.8356	0.7301	0	0.0121	0.7421
167	12	12.7	3.8359	0	-0.0019	3.834	0.7513	0	0.0112	0.7625
168	12.8	12.8	3.8356	0	-0.0018	3.8338	0.7586	0	0.0148	0.7734
169	12.9	12.9	3.8355	0	-0.0018	3.8337	0.7695	0	0.014	0.7836
170	12.6	12.9	3.8348	0	-0.0018	3.833	0.7761	0	0.0125	0.7887
171	12.8	12.9	3.834	0	-0.0018	3.8322	0.7849	0	0.0107	0.7957
172	13.1	13	3.8334	0	-0.0019	3.8316	0.7895	0	0.0093	0.7989
173	13.2	13	3.833	0	-0.0018	3.8313	0.8074	0	0.0091	0.8165
174	13.5	13.1	3.8327	0	-0.0016	3.8311	0.8409	0	0.0082	0.8491
175	13.4	13.1	3.8316	0	-0.0016	3.83	0.8655	0	0.0074	0.8729
176	13	13.1	3.8289	0	-0.0017	3.8272	0.8823	0	0.0085	0.8907

177	13.8	13.2	3.8264	0	-0.0018	3.8246	0.9137	0	0.01	0.9237
178	12.8	13.3	3.8246	0	-0.0019	3.8227	0.9241	0	0.0101	0.9341
179	12.7	13.4	3.8235	0	-0.0018	3.8217	0.9181	0	0.0101	0.9282
180	12.7	13.5	3.8211	0	-0.0017	3.8194	0.9172	0	0.011	0.9282
181	13.7	13.7	3.8191	0	-0.0018	3.8173	0.9318	0	0.0101	0.9419
182	13.7	13.8	3.8175	0	-0.0017	3.8158	0.946	0	0.0101	0.9561
183	13.5	13.8	3.8164	0	-0.0016	3.8148	0.967	0	0.0129	0.98
184	13.6	13.9	3.8149	0	-0.0016	3.8133	0.9918	0	0.0146	1.0065
185	13.7	14	3.813	0	-0.0016	3.8114	1.0153	0	0.0145	1.0298
186	13.9	14.1	3.8114	0	-0.0016	3.8098	1.0405	0	0.0139	1.0545
187	14.5	14.2	3.81	0	-0.0016	3.8084	1.0636	0	0.0135	1.0772
188	14.9	14.3	3.8082	0	-0.0017	3.8066	1.0788	0	0.0124	1.0912
189	14.6	14.5	3.8072	0	-0.0019	3.8053	1.0891	0	0.0106	1.0997
190	15.2	14.6	3.806	0	-0.0021	3.8039	1.0992	0	0.0102	1.1094
191	15.4	14.7	3.8053	0	-0.0023	3.803	1.1104	0	0.0111	1.1214
192	14.3	14.7	3.8049	0	-0.0026	3.8023	1.1173	0	0.0121	1.1295
193	14.8	14.8	3.8051	0	-0.0026	3.8025	1.1312	0	0.0149	1.1461
194	14.3	14.9	3.8058	0	-0.0026	3.8032	1.1284	0	0.0141	1.1425
195	15.3	15	3.8069	0	-0.0025	3.8043	1.1378	0	0.0108	1.1486
196	15.1	15.1	3.8069	0	-0.0024	3.8045	1.1601	0	0.0093	1.1695
197	15.4	15.2	3.8065	0	-0.0024	3.8041	1.1881	0	0.0077	1.1958
198	15.7	15.1	3.8061	0	-0.0024	3.8037	1.2143	0	0.0065	1.2208
199	15.4	15.1	3.8058	0	-0.0024	3.8034	1.2442	0	0.0063	1.2505
200	15	15.1	3.8055	0	-0.0024	3.8031	1.2861	0	0.0069	1.2931
201	14.6	15.1	3.8053	0	-0.0024	3.803	1.3288	0	0.0086	1.3373
202	14.9	15.1	3.8049	0	-0.0022	3.8027	1.3576	0	0.0087	1.3663
203	15.6	15.1	3.8047	0	-0.0022	3.8025	1.3814	0	0.008	1.3894
204	15.4	15.1	3.8046	0	-0.0022	3.8024	1.3886	0	0.0081	1.3968
205	16.4	15.1	3.8043	0	-0.0022	3.8021	1.3841	0	0.0091	1.3932
206	15.2	15.1	3.803	0	-0.0024	3.8007	1.4064	0	0.0108	1.4172
207	14.5	15.1	3.8013	0	-0.0024	3.7989	1.4307	0	0.0145	1.4452
208	14.6	15.1	3.8001	0	-0.0025	3.7976	1.4567	0	0.0131	1.4698
209	14.8	15.2	3.799	0	-0.0025	3.7965	1.4857	0	0.0115	1.4971
210	14.9	15.4	3.7978	0	-0.0026	3.7952	1.5067	0	0.0115	1.5182
211	14.9	15.5	3.7965	0	-0.0026	3.7938	1.5358	0	0.0103	1.5461
212	14.7	15.6	3.7954	0	-0.0027	3.7927	1.5554	0	0.0095	1.5649
213	14.6	15.7	3.7947	0	-0.0027	3.792	1.5633	0	0.0112	1.5745

214	15.4	15.9	3.7931	0	-0.0025	3.7906	1.5786	0	0.0121	1.5906
215	15.1	16	3.7911	0	-0.0024	3.7887	1.6108	0	0.0111	1.622
216	15.1	16.2	3.789	0	-0.0025	3.7865	1.631	0	0.0121	1.6431
217	16	16.3	3.7873	0	-0.0029	3.7844	1.6331	0	0.0113	1.6444
218	17.4	16.6	3.7857	0	-0.0027	3.783	1.6387	0	0.0112	1.6499
219	17.9	16.8	3.7844	0	-0.0026	3.7818	1.6616	0	0.0118	1.6735
220	17.6	17.1	3.7822	0	-0.0025	3.7797	1.6855	0	0.0093	1.6948
221	17	17.3	3.7799	0	-0.0024	3.7775	1.7035	0	0.009	1.7125
222	17.6	17.6	3.777	0	-0.0024	3.7746	1.7098	0	0.009	1.7188
223	18.7	17.8	3.7733	0	-0.0024	3.7709	1.7184	0	0.0078	1.7262
224	18.6	18.1	3.7705	0	-0.0023	3.7681	1.7331	0	0.0083	1.7415
225	17.6	18.3	3.7688	0	-0.0024	3.7664	1.7522	0	0.0104	1.7626
226	18.1	18.6	3.7666	0	-0.0024	3.7642	1.7634	0	0.0108	1.7743
227	18.8	18.8	3.7657	0	-0.0024	3.7633	1.7579	0	0.0098	1.7677
228	18.9	19	3.765	0	-0.0025	3.7625	1.7556	0	0.0091	1.7647
229	20.1	19.1	3.7648	0	-0.0026	3.7622	1.7561	0	0.0096	1.7657
230	19.7	19.3	3.7631	0	-0.0026	3.7605	1.764	0	0.013	1.7769
231	19.5	19.5	3.761	0	-0.0027	3.7584	1.7552	0	0.0139	1.769
232	19.7	19.8	3.7582	0	-0.0029	3.7553	1.7464	0	0.0123	1.7587
233	20.4	20	3.755	0	-0.0029	3.7521	1.7383	0	0.0127	1.7511
234	19.5	20.2	3.7524	0	-0.0029	3.7495	1.7318	0	0.0144	1.7462
235	19.5	20.4	3.7502	0	-0.0028	3.7473	1.7303	0	0.0143	1.7446
236	20.4	20.6	3.7485	0	-0.0028	3.7457	1.728	0	0.0127	1.7407
237	20.5	20.9	3.7473	0	-0.0027	3.7446	1.7266	0	0.0114	1.7381
238	20.8	21.1	3.7461	0	-0.0026	3.7435	1.733	0	0.0105	1.7435
239	21.1	21.2	3.7443	0	-0.0025	3.7418	1.7407	0	0.0091	1.7498
240	21.6	21.3	3.7427	0	-0.0026	3.7401	1.7552	0	0.0065	1.7617
241	21.8	21.4	3.7417	0	-0.0026	3.7391	1.7769	0	0.004	1.781
242	22.9	21.6	3.7401	0	-0.0028	3.7373	1.8096	0	0.0032	1.8128
243	22.5	21.8	3.739	0	-0.0027	3.7363	1.8357	0	0.002	1.8377
244	22.2	22	3.7378	0	-0.0025	3.7353	1.8427	0	0	1.8427
245	22.2	22.2	3.7359	0	-0.0025	3.7334	1.881	0	0.0027	1.8838
246	23.2	22.4	3.7335	0	-0.0024	3.7311	1.9108	0	0.0071	1.9179
247	22.5	22.6	3.7308	0	-0.0024	3.7284	1.9335	0	0.0094	1.9429
248	22.1	22.7	3.7275	0	-0.0025	3.725	1.9435	0	0.01	1.9535
249	22.1	22.7	3.7235	0	-0.0027	3.7208	1.9534	0	0.0112	1.9646
250	22.3	22.8	3.7191	0	-0.0029	3.7162	1.9659	0	0.0104	1.9763

251	23.1	22.9	3.7153	0	-0.003	3.7123	1.9834	0	0.0085	1.9919
252	23.4	23	3.7123	0	-0.0029	3.7094	2.0065	0	0.0073	2.0138
253	23.9	23.1	3.7108	0	-0.0029	3.7079	2.033	0	0.0067	2.0397
254	23.8	23.2	3.7103	0	-0.003	3.7073	2.0611	0	0.0062	2.0673
255	23.1	23.3	3.7077	0	-0.0031	3.7046	2.078	0	0.007	2.085
256	24.4	23.3	3.7043	0	-0.0034	3.7009	2.0985	0	0.0068	2.1053
257	23	23.3	3.7009	0	-0.0031	3.6977	2.1021	0	0.0023	2.1044
258	21.8	23.4	3.6971	0	-0.0029	3.6942	2.1067	0	0.0002	2.1068
259	23.6	23.4	3.6943	0	-0.0029	3.6914	2.1195	0	-0.0013	2.1182
260	23.6	23.5	3.6909	0	-0.0028	3.6881	2.1327	0	-0.0007	2.132
261	23.9	23.7	3.6882	0	-0.0028	3.6854	2.1408	0	0.0002	2.1409
262	24.6	23.7	3.6859	0	-0.0029	3.683	2.1549	0	-0.001	2.1539
263	24	23.8	3.6828	0	-0.0029	3.6799	2.1754	0	-0.0018	2.1735
264	23.3	23.9	3.6789	0	-0.0027	3.6762	2.2008	0	-0.0008	2.2001
265	23.7	23.9	3.6753	0	-0.0027	3.6726	2.2165	0	0.0018	2.2183
266	23.8	24	3.674	0	-0.0028	3.6712	2.2246	0	0.0019	2.2266
267	22.7	24.2	3.6721	0	-0.003	3.6691	2.2467	0	0.0007	2.2475
268	23.2	24.6	3.6695	0	-0.003	3.6665	2.2695	0	-0.0036	2.2658
269	24.3	24.8	3.667	0	-0.0027	3.6642	2.2726	0	-0.0013	2.2713
270	25.3	25	3.6645	0	-0.0027	3.6618	2.286	0	-0.0012	2.2848
271	24.7	25.1	3.663	0	-0.0027	3.6603	2.2887	0	-0.0021	2.2866
272	25.3	25.2	3.6616	0	-0.0026	3.659	2.3019	0	-0.0008	2.3011
273	25.2	25.3	3.6597	0	-0.0026	3.6571	2.2914	0	-0.0019	2.2895
274	24.4	25.4	3.6574	0	-0.0026	3.6548	2.2801	0	-0.0032	2.2769
275	25.5	25.7	3.6552	0	-0.0026	3.6526	2.2879	0	-0.0028	2.2851
276	27.5	25.8	3.6531	0	-0.0027	3.6504	2.2999	0	-0.003	2.2969
277	28.1	26	3.6509	0	-0.0027	3.6482	2.3025	0	-0.0026	2.2999
278	28.2	26.2	3.649	0	-0.0029	3.6462	2.3295	0	-0.0021	2.3274
279	26.5	26.3	3.6471	0	-0.0031	3.644	2.3584	0	-0.0033	2.3551
280	26.1	26.4	3.6456	0	-0.0031	3.6425	2.3804	0	-0.0048	2.3756
281	26.5	26.5	3.6445	0	-0.003	3.6415	2.3937	0	-0.004	2.3897
282	26	26.6	3.6437	0	-0.003	3.6407	2.3957	0	-0.0048	2.3908
283	26.2	26.6	3.6432	0	-0.0031	3.6401	2.3928	0	-0.0075	2.3853
284	28.4	26.8	3.6418	0	-0.003	3.6388	2.3884	0	-0.0063	2.3821
285	26.3	27	3.6402	0	-0.0029	3.6373	2.3869	0	-0.0068	2.3801
286	26.5	27	3.6388	0	-0.0027	3.636	2.3918	0	-0.0065	2.3853
287	26.9	26.9	3.6367	0	-0.0027	3.6341	2.4067	0	-0.0055	2.4012

288	26.4	26.8	3.6341	0	-0.0026	3.6316	2.4268	0	-0.0044	2.4224
289	27	26.9	3.6317	0	-0.0025	3.6292	2.4503	0	-0.0043	2.446
290	26.3	27	3.6283	0	-0.0025	3.6258	2.4755	0	-0.0042	2.4713
291	26.8	27.1	3.6243	0	-0.0026	3.6217	2.5032	0	-0.004	2.4992
292	26.7	27.2	3.6214	0	-0.0028	3.6186	2.5322	0	-0.0019	2.5303
293	28	27.3	3.6208	0	-0.0026	3.6182	2.5563	0	-0.0032	2.5532
294	28.4	27.4	3.6177	0	-0.0029	3.6148	2.5855	0	-0.0032	2.5823
295	27.3	27.6	3.6158	0	-0.0032	3.6126	2.6065	0	-0.0033	2.6032
296	26.5	27.7	3.6136	0	-0.0034	3.6102	2.6291	0	-0.0048	2.6243
297	27.4	27.8	3.6121	0	-0.0034	3.6087	2.6436	0	-0.0035	2.6401
298	26.9	28	3.6107	0	-0.0035	3.6072	2.647	0	-0.0045	2.6425
299	28.7	28.1	3.6092	0	-0.0034	3.6057	2.6632	0	-0.0054	2.6578
300	28.7	28.2	3.6072	0	-0.0033	3.6039	2.6631	0	-0.0075	2.6556
301	27.3	28.3	3.6047	0	-0.0031	3.6016	2.656	0	-0.0108	2.6451
302	28.9	28.4	3.6016	0	-0.0029	3.5988	2.6495	0	-0.0136	2.6359
303	28.9	28.5	3.5986	0	-0.0028	3.5958	2.6537	0	-0.0162	2.6375
304	29.9	28.6	3.5968	0	-0.0029	3.5939	2.685	0	-0.0196	2.6654
305	28.9	28.7	3.5945	0	-0.0029	3.5916	2.7152	0	-0.0191	2.6961
306	29.9	29	3.5928	0	-0.0026	3.5902	2.7221	0	-0.02	2.7021
307	30.1	29.2	3.5906	0	-0.0024	3.5882	2.7296	0	-0.0229	2.7068
308	28.5	29.4	3.5882	0	-0.0024	3.5858	2.7373	0	-0.0224	2.7149
309	28.3	29.6	3.5858	0	-0.0025	3.5833	2.7361	0	-0.0214	2.7148
310	28.9	29.8	3.5837	0	-0.0026	3.5811	2.756	0	-0.0234	2.7326
311	29.1	30	3.581	0	-0.0025	3.5784	2.7867	0	-0.0213	2.7654
312	29.3	30.3	3.5779	0	-0.0026	3.5753	2.8121	0	-0.0212	2.7909
313	29.5	30.5	3.5746	0	-0.0026	3.572	2.8246	0	-0.0229	2.8017
314	30.2	30.6	3.5715	0	-0.0027	3.5688	2.8192	0	-0.0214	2.7978
315	31.5	30.8	3.5686	0	-0.0026	3.566	2.8097	0	-0.018	2.7917
316	31.4	30.9	3.5643	0	-0.0026	3.5617	2.8091	0	-0.0182	2.7909
317	30.7	31	3.5604	0	-0.0025	3.5578	2.8275	0	-0.0193	2.8082
318	32	31.2	3.5585	0	-0.0026	3.5559	2.8508	0	-0.0213	2.8295
319	32.8	31.6	3.5558	0	-0.0025	3.5533	2.8698	0	-0.0229	2.8469
320	32.2	31.8	3.5533	0	-0.0023	3.551	2.8743	0	-0.0193	2.855
321	33.4	32	3.5497	0	-0.0023	3.5474	2.8983	0	-0.019	2.8793
322	32.4	32.2	3.5478	0	-0.0022	3.5457	2.9305	0	-0.0198	2.9107
323	32	32.7	3.5452	0	-0.002	3.5432	2.9568	0	-0.0178	2.939
324	32.5	32.9	3.5417	0	-0.0021	3.5396	2.925	0	-0.0177	2.9073

325	32.5	33.1	3.5388	0	-0.0021	3.5367	2.8053	0	-0.0186	2.7867
326	31.4	33.2	3.5363	0	-0.0021	3.5342	2.6977	0	-0.0199	2.6778
327	32.3	33.5	3.5327	0	-0.0022	3.5305	2.6401	0	-0.021	2.6191
328	35.5	33.8	3.5291	0	-0.0022	3.527	2.647	0	-0.0213	2.6258
329	34.2	34	3.5268	0	-0.0021	3.5246	2.6607	0	-0.0226	2.6381
330	32.8	34.2	3.5237	0	-0.0022	3.5215	2.5209	0	-0.0254	2.4955
331	33.1	34.3	3.5215	0	-0.0022	3.5193	2.4394	0	-0.027	2.4124
332	38.4	34.6	3.5189	0	-0.0021	3.5168	2.4218	0	-0.0262	2.3956
333	34.5	34.9	3.5161	0	-0.0023	3.5139	2.2653	0	-0.028	2.2374
334	34.2	35.1	3.5137	0	-0.0022	3.5115	2.3135	0	-0.0288	2.2847
335	34.9	35.4	3.511	0	-0.0022	3.5088	2.3561	0	-0.0291	2.327
336	36.3	35.6	3.5078	0	-0.0022	3.5056	2.4995	0	-0.0285	2.4711
337	36.7	35.9	3.5046	0	-0.0023	3.5024	2.8563	0	-0.0242	2.8321
338	36.3	36.1	3.5011	0	-0.0022	3.4989	2.9795	0	-0.0215	2.958
339	36	36.4	3.4968	0	-0.0021	3.4947	2.9279	0	-0.0201	2.9078
340	36.4	36.8	3.4924	0	-0.0022	3.4902	2.8764	0	-0.0186	2.8579
341	37.5	37.2	3.4884	0	-0.0024	3.486	2.8152	0	-0.0179	2.7973
342	37.9	37.3	3.4845	0	-0.0025	3.482	2.7913	0	-0.0189	2.7725
343	36.8	37.7	3.4804	0	-0.0024	3.478	2.8402	0	-0.0228	2.8175
344	36.6	38.1	3.4771	0	-0.0022	3.4749	2.9214	0	-0.025	2.8964
345	35.5	38.7	3.473	0	-0.002	3.471	2.986	0	-0.0277	2.9583
346	38.8	39.2	3.4692	0	-0.0021	3.4671	3.1027	0	-0.0304	3.0722
347	38.3	39.5	3.4661	0	-0.0019	3.4641	3.0914	0	-0.0326	3.0588
348	40.3	40	3.4612	0	-0.002	3.4592	3.1741	0	-0.0338	3.1403
349	40.4	40.4	3.4571	0	-0.0019	3.4552	3.2342	0	-0.0352	3.199
350	40.8	40.7	3.4535	0	-0.0018	3.4517	3.3123	0	-0.035	3.2772
351	41.1	40.9	3.4503	0	-0.0016	3.4487	3.409	0	-0.0318	3.3771
352	41	41.2	3.4469	0	-0.0013	3.4456	3.5167	0	-0.0289	3.4879
353	43.3	41.5	3.4423	0	-0.001	3.4414	3.5766	0	-0.0263	3.5503
354	45.6	41.7	3.4388	0	-0.0011	3.4377	3.5638	0	-0.0252	3.5386
355	45.1	42	3.4355	0	-0.0011	3.4344	3.5572	0	-0.0255	3.5318
356	43.8	42.2	3.4313	0	-0.0011	3.4302	3.5555	0	-0.024	3.5315
357	43.9	42.6	3.4271	0	-0.0009	3.4262	3.5336	0	-0.0223	3.5114
358	44.1	42.7	3.4235	0	-0.0008	3.4227	3.6168	0	-0.0222	3.5946
359	42	42.9	3.4187	0	-0.0006	3.4182	3.8007	0	-0.0229	3.7778
360	42.6	43	3.4122	0	-0.0006	3.4116	3.863	0	-0.0263	3.8368
361	43.1	43.2	3.407	0	-0.0006	3.4063	3.9536	0	-0.0284	3.9252

362	41.7	43.6	3.4034	0	-0.0006	3.4028	4.0549	0	-0.0257	4.0292
363	40.8	43.9	3.4009	0	-0.0007	3.4001	4.0512	0	-0.0251	4.0261
364	41.3	43.8	3.3979	0	-0.0009	3.397	3.985	0	-0.0264	3.9586
365	42.9	43.7	3.3944	0	-0.0009	3.3935	3.9498	0	-0.0267	3.9231
366	44.7	43.7	3.3912	0	-0.0009	3.3903	3.9433	0	-0.0249	3.9184
367	42.5	43.8	3.387	0	-0.0009	3.3861	3.8976	0	-0.0228	3.8748
368	44.5	43.9	3.3825	0	-0.0007	3.3818	3.848	0	-0.0229	3.8251
369	43.7	44.1	3.3795	0	-0.0008	3.3787	3.84	0	-0.027	3.813
370	44.4	44.1	3.3747	0	-0.0008	3.3739	3.8577	0	-0.0261	3.8316
371	48.4	44.3	3.37	0	-0.0007	3.3693	3.9473	0	-0.0262	3.9211
372	48.1	44.3	3.3659	0	-0.0009	3.3651	3.9386	0	-0.0251	3.9135
373	45	44.5	3.3672	0	-0.0008	3.3664	3.9157	0	-0.0213	3.8944
374	43.6	44.7	3.3769	0	-0.0007	3.3762	3.8969	0	-0.0173	3.8796
375	43.7	44.7	3.3855	0	-0.0006	3.3848	3.8584	0	-0.0178	3.8407
376	44.5	44.8	3.3891	0	-0.0006	3.3885	3.8496	0	-0.0206	3.8291
377	45.8	44.9	3.3862	0	-0.0006	3.3856	3.881	0	-0.0242	3.8569
378	45.8	44.9	3.3829	0	-0.0006	3.3823	3.9191	0	-0.0266	3.8924
379	44.2	44.9	3.395	0	-0.0006	3.3945	3.9566	0	-0.0258	3.9308
380	45.5	44.9	3.4016	0	-0.0004	3.4012	3.9918	0	-0.0248	3.9671
381	42.8	44.8	3.4023	0	-0.0004	3.4019	4.0024	0	-0.024	3.9784
382	44.5	44.6	3.4172	0	-0.0002	3.417	3.9916	0	-0.0239	3.9677
383	44	44.6	3.4119	0	-0.0002	3.4117	3.9856	0	-0.0212	3.9644
384	44.2	44.5	3.4062	0	-0.0001	3.4061	3.9968	0	-0.0218	3.975
385	45.3	44.6	3.3902	0	0	3.3902	4.0135	0	-0.0252	3.9883
386	45.2	44.6	3.3531	0	-0.0003	3.3528	4.0182	0	-0.0289	3.9893
387	44.3	44.6	3.3388	0	-0.0005	3.3383	4.0244	0	-0.03	3.9944
388	44	44.7	3.3413	0	-0.0005	3.3408	4.0258	0	-0.0311	3.9946
389	44.7	44.8	3.344	0	-0.0006	3.3434	4.1754	0	-0.1931	3.9824
390	45.5	44.8	3.3468	0	-0.0007	3.3461	4.3376	0	-0.3603	3.9773
391	45.6	44.9	3.3452	0	-0.0007	3.3445	4.3489	0	-0.361	3.9879
392	44.1	44.9	3.3373	0	-0.0005	3.3368	4.366	0	-0.3699	3.996
393	42.1	45	3.3287	0	-0.0001	3.3286	4.3782	0	-0.3778	4.0004
394	45.6	45.1	3.3191	0	-0.0001	3.319	4.3649	0	-0.372	3.9929
395	45.1	45.1	3.3055	0	-0.0002	3.3053	4.3772	0	-0.3721	4.0052
396	44.5	45	3.3045	0	-0.0001	3.3043	4.3818	0	-0.3721	4.0098
397	47.9	45	3.2947	0	0	3.2947	4.3695	0	-0.3695	4
398	45.5	45	3.2873	0	0	3.2873	4.3836	0	-0.3735	4.0101

399	45.7	45.1	3.278	0	0.0001	3.278	4.3786	0	-0.375	4.0036
400	45	45.1	3.2663	0	-0.0001	3.2662	4.3809	0	-0.3726	4.0083
401	45	45.1	3.253	0	-0.0002	3.2528	4.393	0	-0.371	4.022
402	46.7	45.2	3.244	0	-0.0002	3.2437	4.4076	0	-0.3727	4.0349
403	46.1	45.3	3.2422	0	-0.0003	3.2419	4.4096	0	-0.3693	4.0404
404	43.7	45.3	3.2411	0	-0.0004	3.2407	4.391	0	-0.3582	4.0328
405	43.9	45.4	3.2389	0	-0.0005	3.2384	4.3838	0	-0.3575	4.0263
406	44.9	45.4	3.2395	0	-0.0004	3.2391	4.4017	0	-0.3623	4.0394
407	44.4	45.3	3.2289	0	-0.0002	3.2287	4.3992	0	-0.3576	4.0417
408	46.6	45.3	3.2081	0	-0.0001	3.208	4.4055	0	-0.3502	4.0554
409	44.6	45.3	3.1995	0	0.0002	3.1996	4.3929	0	-0.3437	4.0492
410	44.8	45.3	3.1883	0	0.0003	3.1886	4.3855	0	-0.3389	4.0465
411	46.3	45.4	3.1755	0	0	3.1755	4.3632	0	-0.3336	4.0297
412	45.4	45.3	3.1728	0	0	3.1727	4.349	0	-0.332	4.017
413	45.4	45.3	3.1761	0	0	3.1761	4.3538	0	-0.3332	4.0206
414	45.7	45.4	3.1765	0	0	3.1765	4.3779	0	-0.336	4.0419
415	45	45.5	3.1743	0	-0.0001	3.1742	4.3923	0	-0.3359	4.0564
416	45.6	45.6	3.1745	0	-0.0003	3.1742	4.3949	0	-0.3319	4.0629
417	46.7	45.9	3.1756	0	-0.0002	3.1753	4.4152	0	-0.3317	4.0835
418	44.3	46	3.1745	0	0.0001	3.1746	4.4261	0	-0.3349	4.0912
419	46.4	46.1	3.1701	0	0.0001	3.1702	4.4212	0	-0.3291	4.0922
420	46.3	46.1	3.1586	0	0.0003	3.1589	4.4442	0	-0.3231	4.1211
421	43.8	46.1	3.1559	0	0.0002	3.1561	4.4296	0	-0.3249	4.1047
422	46	46.1	3.1563	0	0	3.1562	4.4207	0	-0.3179	4.1028
423	46.3	46.2	3.1556	0	-0.0003	3.1552	4.4317	0	-0.3177	4.114
424	46.5	46.3	3.1558	0	-0.0003	3.1555	4.4936	0	-0.3129	4.1808
425	47.2	46.4	3.1539	0	0	3.1538	4.6427	0	-0.3144	4.3283
426	48.6	46.5	3.1482	0	0.0003	3.1485	4.7695	0	-0.3149	4.4546
427	48.7	46.4	3.1408	0	0.0005	3.1413	4.8423	0	-0.3119	4.5303
428	46.7	46.4	3.1335	0	0.0004	3.1339	4.8606	0	-0.3113	4.5493
429	45.9	46.4	3.1276	0	0.0004	3.1279	4.8904	0	-0.3116	4.5788
430	45.5	46.5	3.1235	0	0.0002	3.1237	5.0761	0	-0.3094	4.7667
431	46	46.5	3.1223	0	0.0002	3.1225	5.1991	0	-0.3106	4.8885
432	46	46.4	3.1203	0	0	3.1203	5.2637	0	-0.3122	4.9516
433	48.6	46.3	3.1165	0	-0.0001	3.1164	5.4654	0	-0.3049	5.1605
434	47.2	46.4	3.1123	0	0.0003	3.1126	5.4744	0	-0.3021	5.1723
435	47.1	46.2	3.1092	0	0.0007	3.1099	5.4878	0	-0.3056	5.1822

436	45	45.9	3.1053	0	0.0008	3.1061	5.3805	0	-0.3132	5.0673
437	44.2	45.6	3.1021	0	0.0009	3.1029	5.049	0	-0.3176	4.7314
438	46.5	45.5	3.0835	0	0.0171	3.1006	4.9336	0	-0.3114	4.6222
439	47.1	45.3	3.063	0	0.0339	3.0969	5.0023	0	-0.308	4.6942
440	44.3	45.1	3.0575	0	0.0339	3.0914	5.0726	0	-0.3076	4.765
441	43.5	45	3.0519	0	0.0346	3.0864	5.1508	0	-0.3097	4.8411
442	45.7	45	3.0466	0	0.0353	3.0819	5.1961	0	-0.3137	4.8824
443	47.4	44.8	3.0439	0	0.0348	3.0788	5.1547	0	-0.3084	4.8464
444	44.2	44.7	3.0394	0	0.035	3.0744	5.1252	0	-0.3081	4.817
445	43	44.6	3.0348	0	0.0352	3.07	5.0906	0	-0.3032	4.7874
446	43	44.7	3.0322	0	0.0349	3.0671	5.0167	0	-0.3069	4.7098
447	44	44.8	3.0277	0	0.0354	3.0631	5.0535	0	-0.3052	4.7483
448	42.8	44.7	3.0233	0	0.0355	3.0589	4.9965	0	-0.3001	4.6964
449	42.1	44.9	3.019	0	0.0353	3.0544	4.9778	0	-0.2997	4.6781
450	43.7	45.2	3.0142	0	0.0353	3.0495	4.9335	0	-0.2946	4.6389
451	45.4	45.4	3.0095	0	0.0357	3.0452	4.8755	0	-0.2979	4.5776
452	45.3	45.5	3.006	0	0.0356	3.0416	4.8019	0	-0.3108	4.4911
453	45	45.5	3.0032	0	0.0349	3.0381	4.7523	0	-0.3172	4.4351
454	45.6	45.7	3.0004	0	0.0346	3.0351	4.7661	0	-0.3128	4.4533
455	46.4	46	2.9953	0	0.0351	3.0305	4.7997	0	-0.3076	4.4922
456	47.2	46.4	2.9914	0	0.0347	3.0261	4.8276	0	-0.3022	4.5254
457	44.4	46.7	2.9866	0	0.0341	3.0207	4.8875	0	-0.2949	4.5926
458	51.1	47.1	2.9842	0	0.0336	3.0178	4.8423	0	-0.2939	4.5484
459	48.9	47.8	2.9802	0	0.0333	3.0135	4.665	0	-0.2921	4.3729
460	48.1	48.3	2.9759	0	0.0327	3.0086	4.6253	0	-0.2886	4.3366
461	47.5	48.8	2.9721	0	0.0326	3.0046	4.5601	0	-0.2842	4.2759
462	47.6	49.2	2.9681	0	0.0327	3.0008	4.4812	0	-0.2892	4.192
463	48.1	49.7	2.9631	0	0.0329	2.996	4.5034	0	-0.297	4.2064
464	48.3	50.4	2.9587	0	0.0327	2.9914	4.574	0	-0.2968	4.2772
465	49.6	51	2.9549	0	0.0323	2.9872	4.6167	0	-0.2944	4.3223
466	51.2	51.5	2.9497	0	0.0323	2.982	4.6435	0	-0.295	4.3485
467	50.2	52.1	2.9444	0	0.0326	2.977	4.697	0	-0.2977	4.3993
468	54.8	52.4	2.9404	0	0.0322	2.9726	4.7634	0	-0.3029	4.4605
469	52.4	52.8	2.9351	0	0.0315	2.9666	4.802	0	-0.2941	4.5079
470	55	53.4	2.9317	0	0.0317	2.9634	4.7917	0	-0.295	4.4967
471	53.1	53.9	2.9279	0	0.0311	2.959	4.7301	0	-0.2959	4.4342
472	54.6	54.4	2.9227	0	0.0309	2.9537	4.7556	0	-0.2969	4.4587

473	58.3	54.9	2.9178	0	0.0305	2.9483	4.81	0	-0.3001	4.5099
474	57.9	55.5	2.9126	0	0.0307	2.9433	4.8458	0	-0.301	4.5448
475	57.2	56.2	2.9085	0	0.0308	2.9393	4.8983	0	-0.2968	4.6014
476	56.8	56.7	2.9049	0	0.0306	2.9355	4.9412	0	-0.2944	4.6468
477	56.5	57.2	2.9001	0	0.0305	2.9307	4.9522	0	-0.2944	4.6578
478	57	57.5	2.8939	0	0.0306	2.9245	4.9386	0	-0.2963	4.6423
479	57.7	57.8	2.8874	0	0.0304	2.9178	4.9179	0	-0.2998	4.6181
480	57.5	58.1	2.8817	0	0.0307	2.9124	4.9124	0	-0.2954	4.6171
481	57.9	58.4	2.8759	0	0.0308	2.9068	4.8977	0	-0.2921	4.6056
482	57.7	58.8	2.8706	0	0.0303	2.9009	4.9277	0	-0.2931	4.6346
483	60	59	2.8644	0	0.03	2.8944	4.9683	0	-0.294	4.6744
484	62	59.1	2.8574	0	0.0304	2.8879	4.9993	0	-0.2949	4.7044
485	60.6	59.3	2.8522	0	0.0313	2.8834	5.0376	0	-0.2857	4.7519
486	60.7	59.4	2.8482	0	0.0314	2.8797	5.0647	0	-0.2883	4.7763
487	59.1	59.6	2.8454	0	0.0306	2.876	5.0769	0	-0.291	4.7859
488	59.1	59.8	2.8411	0	0.0303	2.8714	5.0991	0	-0.2867	4.8124
489	59.4	60.1	2.8368	0	0.0301	2.8669	4.972	0	-0.1233	4.8487
490	60	60.2	2.8317	0	0.0302	2.862	4.8339	0	0.0412	4.8751
491	62.7	60.3	2.8256	0	0.0306	2.8562	4.8523	0	0.0381	4.8904
492	62.2	60.5	2.8219	0	0.0303	2.8522	4.8514	0	0.0432	4.8945
493	59.1	60.6	2.8161	0	0.0307	2.8469	4.8464	0	0.052	4.8984
494	59.9	60.6	2.8101	0	0.0302	2.8403	4.8619	0	0.0473	4.9092
495	59.4	60.7	2.8039	0	0.0305	2.8344	4.8593	0	0.051	4.9103
496	60.3	60.8	2.7991	0	0.0304	2.8295	4.8795	0	0.0501	4.9296
497	61.7	60.9	2.795	0	0.03	2.825	4.8799	0	0.0558	4.9357
498	62.2	60.9	2.7895	0	0.03	2.8195	4.8761	0	0.0645	4.9406
499	60.1	61.2	2.7846	0	0.0295	2.8141	4.8793	0	0.0663	4.9457
500	58.7	61.1	2.7788	0	0.0297	2.8085	4.882	0	0.0659	4.9479
501	61.5	61	2.7728	0	0.0309	2.8037	4.8942	0	0.0651	4.9593
502	63.1	61	2.7688	0	0.0315	2.8002	4.9098	0	0.0654	4.9752
503	62.1	61	2.7656	0	0.031	2.7966	4.9286	0	0.0641	4.9928
504	62.5	60.9	2.7611	0	0.0304	2.7915	4.9738	0	0.0551	5.0289
505	61.3	60.8	2.7562	0	0.0297	2.7859	5.0087	0	0.0452	5.0538
506	61.8	60.8	2.7507	0	0.0291	2.7798	5.019	0	0.0486	5.0675
507	59.2	60.6	2.7447	0	0.0292	2.7739	5.033	0	0.0466	5.0796
508	65.5	60.4	2.7416	0	0.0291	2.7707	5.0245	0	0.0492	5.0736
509	58.2	60.3	2.7369	0	0.029	2.7659	5.0685	0	0.0494	5.1179

510	60.6	60.4	2.7323	0	0.0287	2.761	5.0948	0	0.0513	5.1461
511	60.7	60.3	2.7274	0	0.0289	2.7563	5.1106	0	0.0468	5.1573
512	59.4	60.2	2.7224	0	0.0297	2.7521	5.1287	0	0.0451	5.1737
513	58.3	60.3	2.7187	0	0.0297	2.7484	5.1407	0	0.0462	5.1868
514	58.4	60.1	2.7148	0	0.0294	2.7443	5.1333	0	0.0479	5.1812
515	59.3	60	2.7099	0	0.0294	2.7393	5.1343	0	0.0459	5.1802
516	59.1	60.1	2.7048	0	0.0295	2.7343	5.1576	0	0.0413	5.1989
517	57.6	60.2	2.6992	0	0.0301	2.7293	5.1639	0	0.0455	5.2094
518	59.1	60	2.6943	0	0.0295	2.7238	5.1668	0	0.0479	5.2147
519	59.4	60.3	2.6909	0	0.0296	2.7205	5.1875	0	0.0401	5.2276
520	60.6	60.5	2.6856	0	0.0299	2.7155	5.1779	0	0.0358	5.2137
521	60.7	60.5	2.6803	0	0.0299	2.7102	5.1984	0	0.0332	5.2315
522	63.3	60.6	2.6753	0	0.03	2.7052	5.2059	0	0.0214	5.2272
523	59	60.6	2.671	0	0.0298	2.7008	5.1814	0	0.0234	5.2048
524	60.3	60.8	2.666	0	0.0294	2.6954	5.1754	0	0.0193	5.1947
525	62.2	60.9	2.6598	0	0.0294	2.6892	5.1823	0	0.022	5.2042
526	61.6	61.1	2.653	0	0.0297	2.6827	5.1981	0	0.0238	5.2218
527	61.8	61.4	2.647	0	0.0301	2.6771	5.2121	0	0.0183	5.2303
528	63.2	61.7	2.6417	0	0.0304	2.6721	5.2024	0	0.022	5.2244
529	65	62.1	2.6363	0	0.0299	2.6662	5.1557	0	0.0395	5.1951
530	61.4	62.3	2.6337	0	0.0294	2.6631	5.125	0	0.0368	5.1618
531	60.6	62.5	2.6296	0	0.0295	2.6591	5.1067	0	0.0369	5.1436
532	59.2	62.3	2.6235	0	0.0294	2.6529	5.0751	0	0.0391	5.1142
533	61.8	62.4	2.6165	0	0.0294	2.6459	5.0691	0	0.0317	5.1008
534	61.9	62.4	2.6086	0	0.0289	2.6374	5.0354	0	0.0275	5.0629
535	61.7	62.5	2.6027	0	0.0295	2.6322	4.9922	0	0.0286	5.0207
536	62.8	62.5	2.5977	0	0.0299	2.6276	4.9825	0	0.0349	5.0175
537	66.2	62.7	2.5922	0	0.0295	2.6217	4.9888	0	0.0245	5.0132
538	66.9	62.7	2.5863	0	0.0294	2.6158	4.9881	0	0.0017	4.9898
539	64.9	62.9	2.5796	0	0.0298	2.6094	4.9598	0	0.003	4.9628
540	63.2	63.2	2.5723	0	0.0301	2.6024	4.9367	0	0.005	4.9416
541	60.1	63.6	2.5667	0	0.0303	2.597	4.9056	0	0.0162	4.9219
542	61.6	64.1	2.562	0	0.0301	2.5921	4.8647	0	0.0182	4.8829
543	59.1	64.4	2.5578	0	0.0301	2.5878	4.8621	0	0.0071	4.8693
544	64.6	64.7	2.5535	0	0.0299	2.5834	4.8427	0	-0.0132	4.8294
545	62.4	65.1	2.5469	0	0.0302	2.577	4.7968	0	-0.0213	4.7755
546	64.2	65.5	2.5442	0	0.0293	2.5735	4.7475	0	-0.0168	4.7308

547	64.5	65.7	2.5401	0	0.029	2.569	4.718	0	-0.0135	4.7045
548	67.3	65.8	2.5354	0	0.0289	2.5643	4.6898	0	-0.0123	4.6775
549	67.9	65.9	2.5309	0	0.0287	2.5596	4.6456	0	-0.0085	4.6371
550	68.7	66.2	2.5248	0	0.0288	2.5535	4.6248	0	-0.0135	4.6113
551	68.6	66.5	2.5186	0	0.0291	2.5477	4.6054	0	-0.0154	4.5901
552	66.8	66.8	2.5131	0	0.0292	2.5423	4.5633	0	-0.0018	4.5615
553	68.7	67.4	2.5059	0	0.0293	2.5352	4.5404	0	0.0067	4.5471
554	69.1	67.9	2.4995	0	0.0301	2.5297	4.5497	0	-0.0001	4.5496
555	69.9	68.3	2.4934	0	0.0303	2.5237	4.5376	0	-0.0016	4.536
556	70.2	68.7	2.4881	0	0.03	2.5181	4.4965	0	-0.0084	4.4881
557	69.3	69	2.4841	0	0.0292	2.5133	4.4502	0	-0.0135	4.4367
558	66.8	69.1	2.4774	0	0.0286	2.506	4.4125	0	-0.0139	4.3986
559	67.6	69.3	2.4707	0	0.0282	2.4989	4.3969	0	-0.0242	4.3727
560	66.5	69.5	2.4649	0	0.028	2.4929	4.3566	0	-0.0333	4.3233
561	66.1	69.6	2.4592	0	0.0281	2.4872	4.3163	0	-0.0362	4.2801
562	71.4	70	2.454	0	0.0281	2.4821	4.2708	0	-0.0293	4.2414
563	73.7	70.2	2.4498	0	0.0281	2.4778	4.2284	0	-0.0199	4.2085
564	70.6	70.5	2.4453	0	0.0281	2.4733	4.2073	0	-0.0216	4.1857
565	71.8	70.8	2.4392	0	0.0282	2.4673	4.1768	0	-0.0265	4.1503
566	69.4	70.9	2.4333	0	0.0277	2.4611	4.1363	0	-0.0261	4.1102
567	70.1	71.1	2.4277	0	0.0278	2.4555	4.1122	0	-0.0182	4.094
568	71.6	71.5	2.4216	0	0.0282	2.4498	4.0831	0	-0.0066	4.0766
569	71.6	71.8	2.4173	0	0.0279	2.4453	4.0526	0	-0.0116	4.041
570	71.5	72.1	2.4119	0	0.0284	2.4402	4.0546	0	-0.0122	4.0424
571	73.7	72.4	2.4073	0	0.0289	2.4363	4.0795	0	-0.014	4.0655
572	72.9	72.4	2.4046	0	0.0286	2.4332	4.0889	0	-0.0334	4.0555
573	74.1	72.2	2.4003	0	0.0285	2.4288	4.0587	0	-0.0492	4.0095
574	75.5	72	2.3944	0	0.0285	2.4229	4.0315	0	-0.0476	3.9839
575	73.7	71.7	2.3887	0	0.0285	2.4172	4.0002	0	-0.0545	3.9457
576	72.1	71.5	2.3837	0	0.0288	2.4124	3.9594	0	-0.0522	3.9072
577	74.3	71	2.3799	0	0.0283	2.4082	3.9107	0	-0.0435	3.8672
578	74.4	70.4	2.3783	0	0.0266	2.405	3.866	0	-0.0333	3.8326
579	70.5	69.8	2.3749	0	0.0267	2.4016	3.8342	0	-0.0285	3.8057
580	72	69.1	2.3711	0	0.027	2.398	3.7833	0	-0.0354	3.7479
581	71.4	68	2.3684	0	0.0269	2.3953	3.7727	0	-0.0431	3.7296
582	69.9	67.2	2.3637	0	0.0271	2.3908	3.742	0	-0.0405	3.7015
583	67.3	65.9	2.3609	0	0.0273	2.3881	3.6818	0	-0.0421	3.6397

584	66.6	64.6	2.3582	0	0.0276	2.3858	3.621	0	-0.0421	3.5789
585	64.8	63.4	2.3539	0	0.0278	2.3817	3.5594	0	-0.0468	3.5126
586	61.8	62.1	2.3494	0	0.029	2.3784	3.5118	0	-0.0452	3.4667
587	60.1	60.5	2.3466	0	0.0305	2.3771	3.4693	0	-0.0459	3.4234
588	59.5	58.8	2.3451	0	0.03	2.3751	3.4279	0	-0.0456	3.3823
589	58.8	57.2	2.3431	0	0.0296	2.3727	3.3657	0	-0.0457	3.3201
590	53.1	55.4	2.3412	0	0.0286	2.3698	3.3068	0	-0.0409	3.2659
591	56.3	53.7	2.3391	0	0.0288	2.3679	3.2314	0	-0.0354	3.1959
592	50.4	52	2.3356	0	0.0296	2.3653	3.1807	0	-0.0382	3.1425
593	50.3	50.5	2.3319	0	0.032	2.3639	3.1343	0	-0.041	3.0933
594	50.5	48.9	2.3304	0	0.0324	2.3627	3.1024	0	-0.0444	3.0581
595	47.1	47.4	2.3291	0	0.0322	2.3613	3.0688	0	-0.048	3.0208
596	44.2	46	2.3273	0	0.0318	2.3591	3.0003	0	-0.0408	2.9595
597	42	44.7	2.3261	0	0.0312	2.3573	2.9688	0	-0.0439	2.9249
598	40.2	43.4	2.3249	0	0.0308	2.3558	2.931	0	-0.0458	2.8851
599	39.3	42	2.3221	0	0.0309	2.353	2.8933	0	-0.0475	2.8458
600	38.3	40.9	2.3182	0	0.0313	2.3495	2.8551	0	-0.0514	2.8037
601	38.3	39.6	2.3165	0	0.0311	2.3475	2.8155	0	-0.0551	2.7604
602	38	38.6	2.3147	0	0.0308	2.3455	2.7672	0	-0.0518	2.7154
603	36.7	37.5	2.3106	0	0.031	2.3416	2.7264	0	-0.0453	2.681
604	36.3	36.3	2.3073	0	0.0306	2.3379	2.6636	0	-0.0379	2.6257
605	34.5	35.3	2.3065	0	0.0306	2.3371	2.6117	0	-0.028	2.5837
606	34.6	34.6	2.3057	0	0.0305	2.3361	2.557	0	-0.0243	2.5326
607	34.8	33.8	2.3035	0	0.0306	2.334	2.5185	0	-0.0231	2.4953
608	32.9	33.2	2.3019	0	0.0315	2.3334	2.4957	0	-0.0281	2.4676
609	32.1	32.6	2.3013	0	0.0323	2.3336	2.4405	0	-0.0317	2.4089
610	32.3	32	2.3007	0	0.0323	2.333	2.3848	0	-0.0324	2.3523
611	30.7	31.4	2.3003	0	0.0319	2.3322	2.3357	0	-0.0317	2.3039
612	29.2	30.9	2.2996	0	0.0316	2.3312	2.2869	0	-0.0349	2.252
613	28.6	30.4	2.298	0	0.0318	2.3298	2.2145	0	-0.031	2.1835
614	28.2	29.9	2.2971	0	0.0321	2.3292	2.1593	0	-0.0304	2.1288
615	29.6	29.6	2.2963	0	0.032	2.3283	2.1118	0	-0.0301	2.0817
616	28.3	29.3	2.2936	0	0.0313	2.3249	2.0553	0	-0.0286	2.0267
617	28.8	28.9	2.2909	0	0.0307	2.3216	2.0082	0	-0.0308	1.9774
618	27.3	28.8	2.289	0	0.0307	2.3197	1.9621	0	-0.0306	1.9315
619	26.8	28.6	2.2854	0	0.0308	2.3163	1.9088	0	-0.0312	1.8776
620	27.4	28.5	2.2776	0	0.0313	2.3089	1.8689	0	-0.0354	1.8335

621	27.4	28.5	2.2714	0	0.0332	2.3047	1.8132	0	-0.0292	1.784
622	27.2	28.5	2.2694	0	0.0349	2.3043	1.77	0	-0.0231	1.7468
623	28.2	28.4	2.2678	0	0.0346	2.3024	1.749	0	-0.0245	1.7245
624	29.1	28.4	2.266	0	0.0349	2.3008	1.7015	0	-0.0218	1.6797
625	28.2	28.2	2.2638	0	0.0346	2.2984	1.6474	0	-0.0229	1.6244
626	27.7	28.1	2.2619	0	0.0341	2.296	1.606	0	-0.0224	1.5836
627	29.9	28	2.2604	0	0.0334	2.2938	1.5593	0	-0.0202	1.5391
628	29.4	27.9	2.2583	0	0.0332	2.2915	1.5218	0	-0.021	1.5008
629	30.3	27.9	2.258	0	0.0334	2.2914	1.5031	0	-0.0329	1.4702
630	30.1	27.7	2.2564	0	0.0337	2.2901	1.4649	0	-0.027	1.4379
631	28.9	27.6	2.2554	0	0.0335	2.2889	1.4272	0	-0.0233	1.4039
632	27.7	27.5	2.2553	0	0.0336	2.2889	1.4078	0	-0.0244	1.3834
633	26.8	27.3	2.2544	0	0.0336	2.288	1.3672	0	-0.0215	1.3457
634	26.8	27	2.2526	0	0.0336	2.2862	1.3423	0	-0.0234	1.3189
635	26.8	26.7	2.2515	0	0.034	2.2856	1.3236	0	-0.0313	1.2922
636	25.2	26.5	2.2507	0	0.0345	2.2852	1.2729	0	-0.0296	1.2433
637	25.4	26.2	2.2494	0	0.0341	2.2834	1.2176	0	-0.0142	1.2034
638	26.8	25.8	2.2498	0	0.034	2.2837	1.187	0	-0.0002	1.1868
639	25.1	25.3	2.2489	0	0.0339	2.2828	1.1675	0	-0.0038	1.1637
640	24.5	24.8	2.2492	0	0.0336	2.2828	1.1481	0	-0.0031	1.145
641	25.6	24.5	2.2486	0	0.0341	2.2827	1.1362	0	-0.0099	1.1262
642	24.2	24.1	2.2486	0	0.0342	2.2828	1.1266	0	-0.0053	1.1213
643	23.4	23.9	2.2475	0	0.0345	2.282	1.1114	0	0.0047	1.1161
644	23.2	23.5	2.2466	0	0.0347	2.2813	1.0916	0	0.0282	1.1197
645	23.4	23.2	2.2468	0	0.0343	2.2811	1.0821	0	0.0292	1.1113
646	23.3	22.9	2.2473	0	0.0337	2.281	1.0778	0	0.025	1.1028
647	22.2	22.6	2.247	0	0.0335	2.2805	1.079	0	0.0151	1.0942
648	21.4	22.3	2.2461	0	0.0336	2.2797	1.0778	0	0.0072	1.085
649	21.2	21.9	2.2453	0	0.0339	2.2792	1.0685	0	0.0042	1.0727
650	21.8	21.6	2.2432	0	0.0343	2.2775	1.0467	0	0.0103	1.0569
651	21.4	21.3	2.2418	0	0.0343	2.2761	1.0139	0	0.0137	1.0277
652	21.6	21	2.2405	0	0.0338	2.2742	1.0059	0	0.0086	1.0145
653	19.9	20.8	2.2395	0	0.0331	2.2726	0.9919	0	0.0098	1.0017
654	20.9	20.6	2.2384	0	0.0329	2.2713	0.9547	0	0.0162	0.971
655	20.5	20.3	2.2377	0	0.0327	2.2705	0.9234	0	0.0141	0.9375
656	19.8	20	2.2363	0	0.0323	2.2686	0.9213	0	0.0109	0.9322
657	19.4	19.8	2.2346	0	0.032	2.2666	0.925	0	0.0042	0.9292

658	18.6	19.6	2.2333	0	0.0318	2.2651	0.9054	0	0.0057	0.9111
659	18.4	19.5	2.2322	0	0.0314	2.2637	0.8904	0	0.0173	0.9077
660	19.4	19.3	2.2313	0	0.0312	2.2625	0.8987	0	0.0259	0.9246
661	18.8	19.1	2.2305	0	0.0315	2.262	0.9014	0	0.0301	0.9315
662	20	18.9	2.2326	0	0.0312	2.2638	0.9081	0	0.0268	0.9348
663	19.2	18.8	2.2338	0	0.0311	2.265	0.912	0	0.0244	0.9364
664	17.8	18.6	2.2341	0	0.0311	2.2652	0.9	0	0.0272	0.9272
665	18.7	18.4	2.2336	0	0.031	2.2647	0.8977	0	0.0299	0.9277
666	18	18.2	2.2325	0	0.0308	2.2633	0.8968	0	0.0279	0.9246
667	17.9	18.2	2.2315	0	0.0309	2.2624	0.8737	0	0.0208	0.8945
668	18.1	18.1	2.2307	0	0.0313	2.262	0.8609	0	0.0133	0.8742
669	18.2	18	2.2304	0	0.0315	2.2619	0.8631	0	0.0101	0.8732
670	18.1	17.9	2.2305	0	0.0313	2.2618	0.8592	0	-0.0154	0.8438
671	17.6	17.9	2.2303	0	0.0312	2.2616	0.8652	0	-0.0978	0.7674
672	17.6	17.8	2.2297	0	0.031	2.2607	0.8028	0	-0.0658	0.737
673	17.1	17.8	2.2302	0	0.0307	2.2609	0.7909	0	-0.052	0.7388
674	16.2	17.9	2.2297	0	0.0308	2.2605	0.7771	0	-0.0582	0.7188
675	17.2	17.9	2.2281	0	0.0307	2.2588	0.7503	0	-0.0554	0.6948
676	18.2	17.9	2.2277	0	0.0308	2.2585	0.7189	0	-0.0555	0.6634
677	17.1	18	2.2277	0	0.0304	2.2581	0.6987	0	-0.0623	0.6364
678	16.9	18.1	2.228	0	0.0299	2.2579	0.6801	0	-0.0715	0.6086
679	17.2	18.1	2.2284	0	0.0294	2.2578	0.6522	0	-0.0727	0.5795
680	18.2	18.1	2.2283	0	0.0293	2.2576	0.6394	0	-0.0665	0.573
681	18.9	18.2	2.2276	0	0.0294	2.257	0.6172	0	-0.0598	0.5574
682	19.3	18.2	2.227	0	0.0293	2.2563	0.6093	0	-0.0595	0.5498
683	19.6	18.2	2.2266	0	0.0296	2.2563	0.6107	0	-0.0585	0.5522
684	19.1	18.3	2.2259	0	0.0307	2.2566	0.5997	0	-0.0565	0.5432
685	18.6	18.2	2.2266	0	0.0308	2.2574	0.5871	0	-0.0525	0.5346
686	19.2	18.2	2.2276	0	0.0304	2.258	0.5798	0	-0.0476	0.5322
687	20.1	18.2	2.2279	0	0.0305	2.2584	0.5761	0	-0.0446	0.5315
688	18.3	18.2	2.2284	0	0.0303	2.2587	0.5643	0	-0.0457	0.5187
689	18.2	18.2	2.2283	0	0.0299	2.2582	0.5704	0	-0.0451	0.5253
690	18.2	18.2	2.2275	0	0.0296	2.2572	0.5681	0	-0.0422	0.5259
691	18	18.2	2.2265	0	0.0293	2.2558	0.5765	0	-0.038	0.5385
692	17.7	18.1	2.2245	0	0.0292	2.2537	0.584	0	-0.0288	0.5552
693	17.1	18.1	2.2227	0	0.0292	2.2519	0.6028	0	-0.0264	0.5764
694	16.7	18	2.2222	0	0.0294	2.2516	0.5962	0	-0.0213	0.5748

695	17.2	18	2.2213	0	0.0297	2.251	0.5839	0	-0.0183	0.5656
696	17.5	18	2.2194	0	0.0302	2.2496	0.5844	0	-0.0246	0.5598
697	17.3	17.8	2.2183	0	0.0305	2.2488	0.5904	0	-0.0341	0.5563
698	17.3	17.7	2.2181	0	0.0304	2.2485	0.5844	0	-0.0374	0.5469
699	18.2	17.6	2.2175	0	0.0299	2.2473	0.5748	0	-0.0373	0.5375
700	18.1	17.5	2.2168	0	0.0299	2.2467	0.5602	0	-0.0374	0.5227
701	18.2	17.4	2.2159	0	0.0302	2.2461	0.5425	0	-0.0424	0.5001
702	18.2	17.3	2.2155	0	0.0298	2.2454	0.5329	0	-0.047	0.4859
703	18.3	17.3	2.2151	0	0.0294	2.2445	0.5225	0	-0.0542	0.4683
704	18.5	17.3	2.215	0	0.0291	2.2442	0.5006	0	-0.0587	0.4419
705	18.4	17.3	2.2144	0	0.0295	2.2439	0.4656	0	-0.0572	0.4085
706	17.2	17.3	2.2132	0	0.03	2.2432	0.4628	0	-0.0672	0.3956
707	15.8	17.4	2.2129	0	0.03	2.2429	0.4541	0	-0.0788	0.3753
708	16.1	17.5	2.2129	0	0.0298	2.2427	0.4472	0	-0.0817	0.3654
709	16.6	17.5	2.2114	0	0.0297	2.2411	0.4432	0	-0.0793	0.3639
710	16	17.4	2.2106	0	0.0293	2.2399	0.4386	0	-0.078	0.3605
711	16.7	17.4	2.2095	0	0.0292	2.2387	0.4225	0	-0.0741	0.3484
712	16.6	17.4	2.2084	0	0.0292	2.2376	0.4063	0	-0.0665	0.3398
713	16.5	17.4	2.208	0	0.0291	2.2371	0.4172	0	-0.0684	0.3488
714	17.1	17.3	2.2074	0	0.0291	2.2365	0.4236	0	-0.0695	0.354
715	18.4	17.3	2.2066	0	0.0292	2.2359	0.4273	0	-0.0675	0.3598
716	18.5	17.4	2.2063	0	0.0292	2.2355	0.4195	0	-0.0607	0.3588
717	18.4	17.5	2.2048	0	0.0294	2.2342	0.3996	0	-0.0564	0.3431
718	18.2	17.5	2.2027	0	0.0297	2.2324	0.3896	0	-0.0551	0.3345
719	17.2	17.6	2.1995	0	0.0324	2.2319	0.382	0	-0.0478	0.3342
720	18.4	17.7	2.1911	0	0.0411	2.2322	0.3828	0	-0.0463	0.3365
721	17.6	17.8	2.1911	0	0.0398	2.231	0.3873	0	-0.048	0.3393
722	18.2	17.8	2.1903	0	0.0401	2.2304	0.3845	0	-0.0494	0.3351
723	17.5	17.9	2.1901	0	0.0404	2.2305	0.3878	0	-0.0558	0.332
724	18.1	17.9	2.1909	0	0.0404	2.2313	0.3996	0	-0.0628	0.3368
725	18	17.9	2.1919	0	0.0402	2.2321	0.3992	0	-0.0643	0.3349
726	17.6	17.7	2.1921	0	0.0403	2.2324	0.3839	0	-0.0637	0.3202
727	17.8	17.6	2.1924	0	0.0406	2.2329	0.3761	0	-0.0588	0.3173
728	18.1	17.5	2.1931	0	0.0405	2.2336	0.3684	0	-0.0569	0.3115
729	17.9	17.5	2.1941	0	0.0401	2.2341	0.369	0	-0.059	0.31
730	17.3	17.4	2.1947	0	0.0397	2.2344	0.3771	0	-0.0645	0.3127
731	17.3	17.3	2.1944	0	0.0395	2.2339	0.3733	0	-0.061	0.3123

732	17.9	17.1	2.1943	0	0.0395	2.2337	0.3711	0	-0.0606	0.3105
733	17.5	17	2.1945	0	0.0393	2.2337	0.3748	0	-0.0633	0.3115
734	17.6	16.8	2.1939	0	0.0388	2.2327	0.3715	0	-0.0582	0.3133
735	16.3	16.7	2.1935	0	0.0388	2.2323	0.37	0	-0.0452	0.3248
736	16.3	16.6	2.1931	0	0.039	2.2321	0.3777	0	-0.0451	0.3325
737	16.3	16.5	2.1929	0	0.0387	2.2316	0.3902	0	-0.0496	0.3406
738	16.5	16.4	2.1927	0	0.0385	2.2312	0.4031	0	-0.047	0.3561
739	16.6	16.3	2.1921	0	0.0381	2.2302	0.4244	0	-0.0466	0.3777
740	15.9	16.2	2.1915	0	0.0374	2.229	0.4426	0	-0.051	0.3916
741	15	16.2	2.1902	0	0.037	2.2272	0.4523	0	-0.0542	0.3981
742	14.9	16.1	2.1883	0	0.0368	2.2251	0.4444	0	-0.0534	0.391
743	15.3	15.9	2.1879	0	0.0367	2.2245	0.4229	0	-0.0524	0.3705
744	15.5	15.8	2.1882	0	0.0365	2.2248	0.4023	0	-0.0499	0.3525
745	16.3	15.8	2.1884	0	0.0367	2.2251	0.4061	0	-0.0563	0.3499
746	15.8	15.8	2.1883	0	0.0371	2.2254	0.3877	0	-0.0491	0.3386
747	16.3	15.7	2.1886	0	0.0373	2.2258	0.3615	0	-0.0367	0.3248
748	15.5	15.7	2.1886	0	0.0374	2.226	0.3555	0	-0.0303	0.3253
749	15.8	15.6	2.1893	0	0.0376	2.2269	0.3747	0	-0.03	0.3447
750	16.1	15.6	2.189	0	0.0385	2.2275	0.3884	0	-0.0351	0.3533
751	15.8	15.6	2.1885	0	0.039	2.2275	0.3923	0	-0.0335	0.3589
752	15.2	15.7	2.1882	0	0.0392	2.2274	0.3913	0	-0.0277	0.3636
753	15.6	15.7	2.1894	0	0.039	2.2285	0.3904	0	-0.0275	0.3629
754	16.1	15.7	2.1918	0	0.0386	2.2305	0.3912	0	-0.0307	0.3605
755	14.9	15.8	2.1915	0	0.0394	2.2309	0.387	0	-0.0265	0.3605
756	15.9	15.8	2.1909	0	0.0402	2.2311	0.3789	0	-0.0277	0.3512
757	15.8	15.9	2.1899	0	0.0402	2.23	0.3719	0	-0.021	0.3509
758	14.8	15.9	2.189	0	0.0397	2.2287	0.3686	0	-0.0193	0.3493
759	15.5	16	2.1884	0	0.0393	2.2276	0.369	0	-0.0223	0.3467
760	16.1	16	2.189	0	0.0386	2.2277	0.3493	0	-0.0213	0.3281
761	15.7	16.1	2.1899	0	0.0382	2.2281	0.341	0	-0.0274	0.3136
762	15.7	16.2	2.1908	0	0.038	2.2289	0.3352	0	-0.0307	0.3044
763	15.9	16.2	2.1915	0	0.0381	2.2296	0.3239	0	-0.028	0.2959
764	16.9	16.3	2.1913	0	0.0378	2.2292	0.3171	0	-0.0277	0.2894
765	17.4	16.3	2.1917	0	0.0371	2.2288	0.3089	0	-0.0314	0.2775
766	16.6	16.4	2.1926	0	0.0364	2.229	0.3037	0	-0.0329	0.2708
767	16.6	16.4	2.1925	0	0.0364	2.2289	0.3072	0	-0.0349	0.2723
768	16.8	16.4	2.1925	0	0.0361	2.2286	0.2923	0	-0.0304	0.2619

769	17.2	16.4	2.1922	0	0.0361	2.2283	0.271	0	-0.0313	0.2397
770	16.6	16.3	2.1918	0	0.0361	2.2279	0.2391	0	-0.0067	0.2323
771	16.7	16.3	2.1919	0	0.0362	2.2281	0.1577	0	0.0828	0.2405
772	16.8	16.3	2.1909	0	0.0366	2.2275	0.1605	0	0.0705	0.231
773	17.2	16.2	2.1902	0	0.037	2.2272	0.154	0	0.0701	0.2241
774	16.3	16.2	2.1897	0	0.0372	2.227	0.1452	0	0.0727	0.218
775	16	16.1	2.1897	0	0.0371	2.2268	0.1408	0	0.0745	0.2153
776	15.9	16.2	2.1901	0	0.0367	2.2268	0.1506	0	0.0677	0.2183
777	15.4	16.2	2.1909	0	0.0361	2.227	0.1584	0	0.0651	0.2236
778	15.3	16.1	2.1911	0	0.0358	2.2269	0.1749	0	0.0688	0.2437
779	15.3	16	2.1907	0	0.0359	2.2266	0.1921	0	0.067	0.2591
780	14.9	16	2.191	0	0.0354	2.2264	0.2043	0	0.069	0.2733
781	15.3	15.9	2.1905	0	0.0354	2.2259	0.2062	0	0.0771	0.2833
782	14.9	15.9	2.1895	0	0.0356	2.2251	0.2066	0	0.0773	0.2838
783	17	15.8	2.1895	0	0.0354	2.2249	0.2097	0	0.0786	0.2882
784	16	15.8	2.1889	0	0.0352	2.2241	0.2169	0	0.0754	0.2923
785	16.9	15.8	2.1888	0	0.0353	2.2241	0.2184	0	0.0677	0.286
786	16.7	15.8	2.1886	0	0.0354	2.2239	0.2155	0	0.0664	0.2819
787	15.8	15.8	2.1876	0	0.0352	2.2228	0.206	0	0.068	0.274
788	15.6	15.8	2.186	0	0.035	2.221	0.2084	0	0.0625	0.2709
789	15.8	15.9	2.184	0	0.035	2.2191	0.2137	0	0.0574	0.271
790	15.4	15.9	2.1823	0	0.035	2.2173	0.2043	0	0.0563	0.2606
791	16.5	16	2.182	0	0.0347	2.2167	0.2029	0	0.0494	0.2522
792	16.1	16	2.1822	0	0.0344	2.2166	0.2058	0	0.0395	0.2453
793	15.4	16	2.1825	0	0.0342	2.2167	0.1912	0	0.0359	0.2271
794	16.6	15.9	2.1816	0	0.0351	2.2166	0.1906	0	0.0349	0.2256
795	15.3	16	2.1826	0	0.0346	2.2171	0.1947	0	0.0337	0.2283
796	15.3	15.9	2.1832	0	0.0339	2.2172	0.197	0	0.0331	0.2301
797	15.9	15.9	2.1827	0	0.0335	2.2162	0.1966	0	0.0349	0.2315
798	16	16	2.1806	0	0.0334	2.214	0.1994	0	0.0375	0.2368
799	16.1	16	2.1786	0	0.0334	2.212	0.2029	0	0.0395	0.2425
800	16.2	16	2.1776	0	0.0332	2.2108	0.2172	0	0.0406	0.2578
801	16	15.9	2.1767	0	0.033	2.2097	0.2217	0	0.0474	0.2691
802	15.7	15.8	2.1765	0	0.0326	2.2091	0.2181	0	0.0523	0.2703
803	15.7	15.8	2.176	0	0.0324	2.2085	0.2075	0	0.0596	0.2671
804	17.7	15.7	2.1763	0	0.0318	2.2081	0.2082	0	0.0702	0.2784
805	15.9	15.8	2.1765	0	0.0323	2.2087	0.2161	0	0.0762	0.2923

806	15.8	15.8	2.176	0	0.0321	2.2081	0.2079	0	0.087	0.2949
807	16.6	15.8	2.1761	0	0.0319	2.208	0.2064	0	0.092	0.2983
808	15.8	15.7	2.176	0	0.032	2.208	0.2006	0	0.0897	0.2903
809	14.8	15.7	2.1765	0	0.0319	2.2083	0.1966	0	0.0843	0.2809
810	14.9	15.7	2.1765	0	0.032	2.2085	0.196	0	0.0792	0.2752
811	15.2	15.6	2.176	0	0.0323	2.2082	0.2054	0	0.075	0.2804
812	14.9	15.6	2.176	0	0.032	2.208	0.2149	0	0.0729	0.2877
813	15.2	15.5	2.1763	0	0.0319	2.2082	0.2308	0	0.07	0.3008
814	16.4	15.3	2.1765	0	0.0322	2.2087	0.2429	0	0.0666	0.3095
815	15.1	15.2	2.1763	0	0.0325	2.2088	0.2415	0	0.068	0.3095
816	15.8	15.2	2.1755	0	0.0327	2.2082	0.2448	0	0.0657	0.3105
817	15.4	15.1	2.1756	0	0.0324	2.208	0.2544	0	0.0639	0.3183
818	16	15	2.1756	0	0.0328	2.2084	0.2568	0	0.0656	0.3224
819	15.4	14.9	2.1756	0	0.033	2.2086	0.2577	0	0.0652	0.3229
820	14.9	14.9	2.1753	0	0.0328	2.2081	0.2596	0	0.0661	0.3257
821	14.6	14.9	2.1751	0	0.0328	2.2079	0.2634	0	0.0646	0.328
822	14.1	14.9	2.1749	0	0.0331	2.208	0.2637	0	0.0655	0.3292
823	14	14.9	2.1756	0	0.0331	2.2087	0.253	0	0.0709	0.3239
824	14.4	14.8	2.1769	0	0.033	2.2098	0.2515	0	0.0742	0.3257
825	14.6	14.9	2.1769	0	0.0334	2.2103	0.2443	0	0.0785	0.3228
826	14.4	14.9	2.1762	0	0.0338	2.21	0.2403	0	0.0825	0.3228
827	14.1	14.9	2.1749	0	0.0337	2.2086	0.2444	0	0.0795	0.3238
828	14.2	14.9	2.1739	0	0.0338	2.2076	0.2564	0	0.075	0.3313
829	14.4	14.9	2.1736	0	0.0332	2.2068	0.2639	0	0.072	0.3359
830	14.7	15	2.1741	0	0.032	2.2061	0.2631	0	0.0725	0.3356
831	15.1	15.1	2.1738	0	0.0318	2.2055	0.2683	0	0.0696	0.3379
832	15.3	15.2	2.1733	0	0.0316	2.2049	0.2661	0	0.073	0.339
833	15.4	15.2	2.1728	0	0.0317	2.2045	0.2597	0	0.0796	0.3393
834	15.5	15.3	2.1721	0	0.032	2.2041	0.264	0	0.0819	0.3459
835	15.6	15.3	2.172	0	0.0322	2.2042	0.2657	0	0.0786	0.3443
836	15.9	15.4	2.1725	0	0.0322	2.2047	0.28	0	0.0752	0.3552
837	15.6	15.5	2.1721	0	0.0324	2.2045	0.2818	0	0.0717	0.3536
838	16	15.6	2.1713	0	0.0328	2.2041	0.2707	0	0.0737	0.3445
839	17.2	15.7	2.1717	0	0.0325	2.2042	0.258	0	0.0642	0.3223
840	15.7	15.7	2.1712	0	0.0325	2.2037	0.2415	0	0.0595	0.301
841	15.8	15.7	2.1697	0	0.033	2.2027	0.2239	0	0.063	0.2868
842	15.1	15.7	2.1692	0	0.0333	2.2024	0.2238	0	0.0659	0.2897

843	15.4	15.7	2.1688	0	0.0332	2.202	0.225	0	0.0665	0.2914
844	15.6	15.7	2.1688	0	0.0332	2.2019	0.2191	0	0.0664	0.2855
845	15.4	15.6	2.1687	0	0.0334	2.2021	0.2003	0	0.0773	0.2777
846	15.8	15.6	2.1686	0	0.0336	2.2022	0.2081	0	0.0747	0.2828
847	16.7	15.6	2.1686	0	0.0335	2.2022	0.2182	0	0.0715	0.2897
848	16.2	15.6	2.1683	0	0.0334	2.2017	0.2123	0	0.0728	0.2851
849	15.1	15.6	2.1676	0	0.0336	2.2012	0.1916	0	0.0762	0.2677
850	15.3	15.6	2.1668	0	0.0338	2.2006	0.176	0	0.0785	0.2545
851	14.8	15.6	2.1667	0	0.0338	2.2005	0.1835	0	0.0738	0.2572
852	15.1	15.7	2.1675	0	0.0332	2.2007	0.179	0	0.0683	0.2473
853	15.6	15.7	2.1686	0	0.032	2.2006	0.1846	0	0.0624	0.2471
854	14.9	15.7	2.1702	0	0.031	2.2012	0.1827	0	0.0635	0.2461
855	15.1	15.7	2.1707	0	0.0307	2.2014	0.191	0	0.059	0.25
856	15.9	15.7	2.1702	0	0.031	2.2012	0.202	0	0.0654	0.2674
857	16	15.7	2.1698	0	0.0312	2.201	0.2044	0	0.0652	0.2696
858	16	15.6	2.1694	0	0.0313	2.2006	0.2101	0	0.0612	0.2713
859	16.2	15.6	2.1688	0	0.0313	2.2001	0.2145	0	0.0609	0.2754
860	16.2	15.6	2.1685	0	0.0311	2.1996	0.2261	0	0.0573	0.2834
861	16.1	15.7	2.1684	0	0.0309	2.1993	0.2286	0	0.0565	0.2851
862	16	15.7	2.1678	0	0.031	2.1988	0.2226	0	0.0608	0.2834
863	15	15.7	2.1672	0	0.0314	2.1986	0.2256	0	0.0616	0.2873
864	16.2	15.7	2.1672	0	0.031	2.1982	0.2295	0	0.065	0.2945
865	15.9	15.7	2.1672	0	0.0305	2.1977	0.2362	0	0.0672	0.3034
866	16	15.6	2.1671	0	0.03	2.1972	0.2343	0	0.0704	0.3047
867	15	15.5	2.1668	0	0.0298	2.1967	0.2275	0	0.074	0.3015
868	15.1	15.5	2.1668	0	0.0296	2.1963	0.2341	0	0.0719	0.306
869	15.4	15.5	2.1662	0	0.0295	2.1957	0.2435	0	0.0742	0.3177
870	15.7	15.4	2.1655	0	0.0296	2.1951	0.2496	0	0.0754	0.325
871	16	15.4	2.1655	0	0.0296	2.1952	0.2485	0	0.074	0.3224
872	14.9	15.3	2.1656	0	0.0295	2.1951	0.2486	0	0.0759	0.3246
873	15.1	15.3	2.165	0	0.0296	2.1946	0.263	0	0.0688	0.3318
874	15.2	15.3	2.1653	0	0.0294	2.1947	0.269	0	0.0671	0.336
875	15.1	15.3	2.1657	0	0.0288	2.1945	0.2744	0	0.0718	0.3463
876	14	15.3	2.1657	0	0.0287	2.1944	0.2721	0	0.0795	0.3516
877	15.4	15.3	2.1652	0	0.0286	2.1938	0.2697	0	0.0809	0.3506
878	15.6	15.3	2.1647	0	0.0286	2.1933	0.2617	0	0.0784	0.3401
879	15.4	15.3	2.1644	0	0.0286	2.193	0.2547	0	0.0754	0.3301

880	15.2	15.2	2.1642	0	0.0284	2.1926	0.2558	0	0.0653	0.3211
881	15	15.2	2.1639	0	0.0281	2.192	0.2641	0	0.054	0.318
882	15.2	15.2	2.1636	0	0.0276	2.1912	0.2609	0	0.0585	0.3195
883	15.9	15.3	2.1631	0	0.0272	2.1903	0.2523	0	0.0657	0.318
884	16.2	15.3	2.1623	0	0.0274	2.1897	0.2439	0	0.0721	0.316
885	15.2	15.3	2.1608	0	0.0278	2.1886	0.2286	0	0.0794	0.3081
886	14.8	15.4	2.1604	0	0.0282	2.1886	0.227	0	0.0806	0.3076
887	15.6	15.4	2.1605	0	0.0278	2.1883	0.2358	0	0.0797	0.3155
888	14.5	15.4	2.1602	0	0.0286	2.1887	0.237	0	0.0744	0.3114
889	15	15.4	2.1599	0	0.0291	2.189	0.2351	0	0.0697	0.3048
890	15.7	15.4	2.1599	0	0.0287	2.1887	0.2392	0	0.065	0.3042
891	15.4	15.4	2.1596	0	0.0281	2.1877	0.2288	0	0.0693	0.2981
892	15.7	15.4	2.1597	0	0.0277	2.1875	0.2112	0	0.0766	0.2878
893	15.8	15.3	2.1606	0	0.0276	2.1881	0.2117	0	0.0777	0.2893
894	15.2	15.3	2.1615	0	0.0273	2.1888	0.2136	0	0.0777	0.2913
895	15.3	15.2	2.1618	0	0.0271	2.1889	0.2162	0	0.0808	0.297
896	15	15.2	2.1614	0	0.0268	2.1882	0.2241	0	0.0802	0.3044
897	15.6	15.2	2.1615	0	0.0262	2.1877	0.2289	0	0.0784	0.3073
898	15.8	15.1	2.1615	0	0.0258	2.1873	0.2223	0	0.0823	0.3046
899	15	15.1	2.161	0	0.0255	2.1865	0.2173	0	0.0877	0.3049
900	15	15	2.1592	0	0.0259	2.1851	0.2092	0	0.0929	0.3021
901	15.2	15	2.1588	0	0.0261	2.185	0.2024	0	0.0938	0.2961
902	15	15	2.158	0	0.0263	2.1844	0.203	0	0.0934	0.2964
903	14.7	14.9	2.1578	0	0.0261	2.1839	0.2128	0	0.09	0.3028
904	14.5	14.9	2.1572	0	0.0259	2.1831	0.2294	0	0.0767	0.3061
905	14.7	14.8	2.1563	0	0.0257	2.182	0.2493	0	0.0646	0.3139
906	14.5	14.8	2.1556	0	0.0256	2.1812	0.2547	0	0.0635	0.3182
907	14.1	14.7	2.155	0	0.0258	2.1809	0.2501	0	0.07	0.3202
908	14.5	14.7	2.1545	0	0.0259	2.1805	0.2458	0	0.0761	0.322
909	14.6	14.7	2.1539	0	0.0261	2.18	0.2407	0	0.0779	0.3186
910	14.5	14.7	2.1536	0	0.0264	2.18	0.2366	0	0.0812	0.3178
911	15	14.8	2.1537	0	0.0262	2.1799	0.2384	0	0.0775	0.3159
912	14.9	14.8	2.1534	0	0.0258	2.1793	0.2362	0	0.0727	0.309
913	14.5	14.9	2.1533	0	0.0254	2.1787	0.2295	0	0.0711	0.3007
914	14.2	15	2.1529	0	0.0255	2.1784	0.226	0	0.0753	0.3013
915	14.4	15.1	2.1528	0	0.0255	2.1783	0.2298	0	0.0724	0.3023
916	14.8	15.1	2.1528	0	0.0253	2.1781	0.2373	0	0.0643	0.3016

917	14.8	15.2	2.1522	0	0.0252	2.1774	0.2434	0	0.059	0.3024
918	14.7	15.3	2.1512	0	0.0254	2.1766	0.2417	0	0.0629	0.3046
919	15.5	15.4	2.1506	0	0.0255	2.1761	0.2395	0	0.0647	0.3042
920	16.5	15.4	2.1505	0	0.0254	2.1759	0.2392	0	0.0627	0.302
921	16.4	15.4	2.1502	0	0.0252	2.1754	0.2337	0	0.0624	0.2961
922	16.3	15.5	2.1486	0	0.0262	2.1748	0.2396	0	0.0615	0.3011
923	15.9	15.5	2.1487	0	0.0264	2.1751	0.2435	0	0.0626	0.3061
924	16	15.5	2.1494	0	0.0258	2.1752	0.2384	0	0.0657	0.3041
925	16.2	15.6	2.1497	0	0.0255	2.1751	0.2395	0	0.0636	0.3032
926	15.7	15.6	2.1493	0	0.0257	2.175	0.2414	0	0.0551	0.2965
927	16	15.7	2.1487	0	0.0259	2.1746	0.2403	0	0.0521	0.2925
928	15.8	15.8	2.1484	0	0.0263	2.1746	0.236	0	0.0539	0.2899
929	15.4	15.9	2.148	0	0.0267	2.1747	0.2371	0	0.0555	0.2926
930	15.4	15.9	2.1477	0	0.0266	2.1743	0.2377	0	0.0531	0.2908
931	15.4	15.8	2.1477	0	0.0259	2.1736	0.2419	0	0.0524	0.2942
932	15.1	15.8	2.1481	0	0.025	2.1731	0.241	0	0.0501	0.2911
933	15.1	15.7	2.1484	0	0.0245	2.1729	0.2457	0	0.0454	0.2911
934	15.7	15.7	2.1492	0	0.0241	2.1733	0.246	0	0.0405	0.2866
935	15.2	15.6	2.1493	0	0.0241	2.1734	0.2361	0	0.0431	0.2792
936	16.4	15.6	2.1489	0	0.0242	2.1731	0.2222	0	0.047	0.2691
937	16.2	15.5	2.1484	0	0.025	2.1734	0.2244	0	0.0524	0.2768
938	16.8	15.5	2.1478	0	0.0258	2.1736	0.2297	0	0.0518	0.2816
939	16.4	15.4	2.1478	0	0.026	2.1738	0.2261	0	0.064	0.2901
940	15.5	15.4	2.1483	0	0.0256	2.1739	0.226	0	0.0746	0.3005
941	15.1	15.4	2.1485	0	0.0254	2.1739	0.2248	0	0.0737	0.2985
942	15.1	15.3	2.148	0	0.0255	2.1735	0.2254	0	0.0695	0.2949
943	15.1	15.3	2.1475	0	0.0254	2.1729	0.2418	0	0.0616	0.3034
944	15	15.3	2.1471	0	0.0251	2.1722	0.2544	0	0.0606	0.315
945	14.8	15.2	2.1463	0	0.0254	2.1717	0.2725	0	0.0566	0.3291
946	15.3	15.2	2.1458	0	0.0258	2.1715	0.2833	0	0.0473	0.3307
947	14.6	15.1	2.1464	0	0.0253	2.1717	0.2788	0	0.0417	0.3206
948	15	15	2.1466	0	0.0247	2.1712	0.2821	0	0.037	0.3191
949	14.7	14.9	2.1467	0	0.0243	2.171	0.2857	0	0.0373	0.3231
950	14.9	14.9	2.1466	0	0.0244	2.171	0.2784	0	0.0424	0.3209
951	14.4	14.9	2.1464	0	0.0244	2.1709	0.254	0	0.0502	0.3042
952	14.4	15	2.1462	0	0.0242	2.1704	0.2489	0	0.0514	0.3003
953	14.7	15	2.1457	0	0.0243	2.17	0.2454	0	0.0507	0.2962

954	14.9	15.1	2.1453	0	0.0246	2.1698	0.2437	0	0.05	0.2937
955	14.9	15.1	2.1452	0	0.0244	2.1696	0.239	0	0.049	0.288
956	14.9	15.1	2.1452	0	0.024	2.1692	0.2334	0	0.048	0.2814
957	14.3	15.1	2.1452	0	0.0236	2.1688	0.2258	0	0.052	0.2779
958	14.4	15.1	2.1453	0	0.0235	2.1688	0.2219	0	0.0596	0.2815
959	15.6	15.2	2.1451	0	0.0232	2.1683	0.2178	0	0.0631	0.2809
960	15.7	15.2	2.1447	0	0.0234	2.168	0.2149	0	0.0632	0.2781
961	16.5	15.2	2.1448	0	0.0236	2.1684	0.2146	0	0.0648	0.2794
962	16.4	15.2	2.1448	0	0.0239	2.1687	0.2154	0	0.0636	0.279
963	16	15.2	2.1446	0	0.0239	2.1685	0.213	0	0.0591	0.2721
964	15.7	15.2	2.1442	0	0.0238	2.168	0.2121	0	0.0542	0.2663
965	15.4	15.2	2.1435	0	0.0241	2.1676	0.2109	0	0.0561	0.2669
966	15	15.2	2.1428	0	0.0241	2.1669	0.2123	0	0.0547	0.267
967	14.9	15.3	2.1427	0	0.0235	2.1662	0.2119	0	0.0529	0.2647
968	15.9	15.4	2.1428	0	0.0231	2.1659	0.2129	0	0.056	0.269
969	15.6	15.4	2.1423	0	0.0232	2.1655	0.2109	0	0.0602	0.2711
970	14.4	15.4	2.1421	0	0.0234	2.1655	0.2078	0	0.0613	0.2691
971	14.4	15.3	2.1416	0	0.0235	2.1651	0.2082	0	0.0586	0.2669
972	14.8	15.2	2.1413	0	0.0233	2.1645	0.2036	0	0.0557	0.2593
973	14.7	15.2	2.1412	0	0.023	2.1642	0.1842	0	0.0657	0.2499
974	14.9	15.2	2.1414	0	0.023	2.1644	0.185	0	0.068	0.253
975	15.1	15.2	2.1415	0	0.0233	2.1649	0.1971	0	0.0645	0.2615
976	15.4	15.2	2.1417	0	0.0235	2.1652	0.2093	0	0.0637	0.273
977	16	15.2	2.1416	0	0.0232	2.1649	0.2088	0	0.0667	0.2755
978	15.9	15.2	2.141	0	0.023	2.1641	0.207	0	0.0647	0.2716
979	14.8	15.2	2.1406	0	0.0233	2.1639	0.2038	0	0.0695	0.2733
980	15.1	15.2	2.14	0	0.0232	2.1632	0.2021	0	0.0727	0.2748
981	15.7	15.2	2.1398	0	0.0231	2.1629	0.1995	0	0.0704	0.2698
982	15.1	15.2	2.139	0	0.0231	2.1621	0.1984	0	0.0625	0.2609
983	15.7	15.2	2.1385	0	0.0232	2.1617	0.2069	0	0.057	0.2639
984	15.6	15.2	2.1387	0	0.0231	2.1617	0.2169	0	0.0582	0.2751
985	15.4	15.1	2.1386	0	0.0231	2.1617	0.231	0	0.0601	0.2911
986	15.3	15.1	2.138	0	0.023	2.1609	0.2372	0	0.0637	0.3009
987	15.6	15	2.1375	0	0.0226	2.1602	0.236	0	0.0662	0.3022
988	15.6	15	2.1375	0	0.0222	2.1597	0.2296	0	0.0743	0.3039
989	14.5	15	2.1373	0	0.0216	2.1589	0.2224	0	0.0805	0.3029
990	14.2	15	2.1375	0	0.0214	2.1588	0.2227	0	0.0761	0.2988

991	14.5	15	2.1371	0	0.0211	2.1582	0.2285	0	0.0673	0.2958
992	14.8	15.1	2.1355	0	0.0216	2.1571	0.2312	0	0.0629	0.2941
993	14	15.1	2.1351	0	0.0215	2.1566	0.226	0	0.0639	0.2899
994	14.6	15	2.1343	0	0.0217	2.1559	0.2277	0	0.0642	0.2919
995	14.6	14.9	2.1334	0	0.0224	2.1558	0.2339	0	0.0596	0.2935
996	14.3	14.9	2.1335	0	0.0226	2.1561	0.2312	0	0.0594	0.2907
997	14.9	14.8	2.1333	0	0.0225	2.1558	0.2302	0	0.0631	0.2933
998	15.6	14.7	2.1329	0	0.0221	2.155	0.2392	0	0.0622	0.3014
999	16	14.7	2.1332	0	0.0213	2.1544	0.2377	0	0.0588	0.2964
1000	15.7	14.7	2.1338	0	0.0208	2.1547	0.2433	0	0.0548	0.2981
1001	15.2	14.7	2.134	0	0.021	2.155	0.2534	0	0.049	0.3025
1002	15.8	14.7	2.1335	0	0.0213	2.1548	0.2478	0	0.0393	0.2871
1003	14.1	14.7	2.1334	0	0.0211	2.1545	0.2439	0	0.033	0.2769
1004	14.6	14.7	2.1333	0	0.021	2.1543	0.241	0	0.0341	0.2751
1005	13.8	14.7	2.1329	0	0.0209	2.1539	0.2343	0	0.0413	0.2756
1006	14.6	14.8	2.133	0	0.0204	2.1534	0.232	0	0.0436	0.2756
1007	14.3	14.8	2.1329	0	0.0199	2.1527	0.2315	0	0.0415	0.273
1008	14	14.7	2.1327	0	0.0196	2.1524	0.232	0	0.0383	0.2702
1009	14.3	14.7	2.1324	0	0.0198	2.1522	0.2343	0	0.0393	0.2735
1010	14.5	14.6	2.1321	0	0.0199	2.1521	0.2339	0	0.0386	0.2725
1011	14.5	14.6	2.1322	0	0.0198	2.152	0.2327	0	0.0386	0.2713
1012	14.8	14.6	2.1321	0	0.0199	2.1521	0.2388	0	0.0403	0.2791
1013	14.5	14.6	2.1321	0	0.02	2.1521	0.241	0	0.0422	0.2832
1014	14.8	14.6	2.1318	0	0.0199	2.1517	0.2381	0	0.0444	0.2826
1015	14.9	14.6	2.1316	0	0.02	2.1516	0.2392	0	0.0423	0.2815
1016	14.7	14.6	2.1316	0	0.02	2.1516	0.2387	0	0.0464	0.2851
1017	14.7	14.6	2.1309	0	0.0196	2.1505	0.2359	0	0.05	0.2859
1018	14.7	14.6	2.1302	0	0.0194	2.1495	0.2341	0	0.046	0.2801
1019	15.3	14.6	2.1299	0	0.0194	2.1492	0.235	0	0.0436	0.2786
1020	15.5	14.5	2.1297	0	0.0195	2.1492	0.2324	0	0.0454	0.2778
1021	15.1	14.5	2.1299	0	0.0196	2.1495	0.237	0	0.046	0.283
1022	14.6	14.4	2.1302	0	0.0196	2.1498	0.2399	0	0.0469	0.2868
1023	14.2	14.3	2.1302	0	0.0196	2.1498	0.235	0	0.0447	0.2796
1024	14.1	14.3	2.1297	0	0.0193	2.149	0.2375	0	0.0419	0.2795
1025	14.4	14.3	2.1287	0	0.0191	2.1478	0.2577	0	0.0411	0.2988
1026	14.1	14.3	2.1284	0	0.019	2.1474	0.2641	0	0.0442	0.3083
1027	14.1	14.3	2.128	0	0.0194	2.1474	0.2748	0	0.0485	0.3233

1028	13.6	14.3	2.128	0	0.0193	2.1473	0.2815	0	0.0455	0.327
1029	13.4	14.3	2.1278	0	0.0194	2.1472	0.28	0	0.0435	0.3235
1030	13.4	14.3	2.1277	0	0.0196	2.1473	0.2803	0	0.0448	0.3251
1031	13.1	14.4	2.1278	0	0.0197	2.1475	0.2737	0	0.043	0.3167
1032	13.7	14.5	2.1274	0	0.0193	2.1467	0.2696	0	0.0413	0.3109
1033	14.3	14.6	2.1267	0	0.0187	2.1454	0.2654	0	0.0394	0.3048
1034	14.2	14.6	2.1261	0	0.0181	2.1442	0.269	0	0.0385	0.3075
1035	14.2	14.7	2.1256	0	0.0177	2.1433	0.2714	0	0.0366	0.308
1036	14.9	14.8	2.1253	0	0.0176	2.1429	0.2763	0	0.0356	0.312
1037	15.5	15	2.1254	0	0.0175	2.143	0.2706	0	0.0355	0.3061
1038	15.4	15.1	2.1256	0	0.0177	2.1433	0.2697	0	0.0324	0.3021
1039	15.7	15.2	2.1255	0	0.0184	2.1439	0.2728	0	0.0294	0.3022
1040	16	15.3	2.1255	0	0.0188	2.1443	0.265	0	0.0335	0.2985
1041	16.4	15.4	2.1254	0	0.0191	2.1445	0.2671	0	0.0327	0.2997
1042	15.9	15.5	2.1254	0	0.0191	2.1445	0.2704	0	0.0271	0.2975
1043	15.8	15.5	2.1247	0	0.019	2.1437	0.2606	0	0.0299	0.2906
1044	16.1	15.6	2.1237	0	0.0191	2.1429	0.2602	0	0.0309	0.2911
1045	16.3	15.6	2.1232	0	0.0194	2.1426	0.2536	0	0.0359	0.2895
1046	16.2	15.5	2.1227	0	0.0194	2.1422	0.2412	0	0.044	0.2852
1047	15.7	15.5	2.1225	0	0.0191	2.1416	0.2367	0	0.0477	0.2844
1048	15.3	15.5	2.1228	0	0.0188	2.1416	0.2209	0	0.0524	0.2732
1049	15.1	15.4	2.1224	0	0.0188	2.1411	0.217	0	0.0457	0.2627
1050	15.4	15.3	2.1212	0	0.0195	2.1407	0.2244	0	0.0377	0.2621
1051	16.1	15.2	2.1217	0	0.0205	2.1422	0.2364	0	0.0354	0.2718
1052	15.1	15.1	2.1218	0	0.0209	2.1427	0.2407	0	0.0356	0.2763
1053	14.5	15.1	2.1216	0	0.0209	2.1425	0.2399	0	0.0357	0.2756
1054	14.1	15	2.1218	0	0.0204	2.1423	0.2419	0	0.0303	0.2722
1055	14.4	14.8	2.122	0	0.02	2.142	0.2421	0	0.0264	0.2684
1056	14.8	14.7	2.122	0	0.0199	2.1419	0.2422	0	0.0271	0.2693
1057	14.8	14.6	2.122	0	0.0198	2.1418	0.2492	0	0.0253	0.2745
1058	14.5	14.6	2.1219	0	0.0196	2.1414	0.2546	0	0.0208	0.2754
1059	14.6	14.6	2.1217	0	0.0194	2.1411	0.2544	0	0.0194	0.2737
1060	14.1	14.6	2.1214	0	0.0195	2.1409	0.2588	0	0.0203	0.2791
1061	14.2	14.6	2.1209	0	0.0196	2.1405	0.2583	0	0.0227	0.281
1062	14.7	14.6	2.1207	0	0.0197	2.1404	0.2511	0	0.0239	0.275
1063	14.5	14.6	2.1208	0	0.0194	2.1402	0.2437	0	0.0273	0.271
1064	13.4	14.7	2.1203	0	0.0196	2.1399	0.2422	0	0.0293	0.2715

1065	13.7	14.7	2.1196	0	0.0195	2.1391	0.2422	0	0.0292	0.2713
1066	14.1	14.7	2.1192	0	0.0191	2.1383	0.2475	0	0.0296	0.2771
1067	14.4	14.8	2.1193	0	0.0189	2.1382	0.2534	0	0.0293	0.2827
1068	15	14.8	2.1193	0	0.0188	2.1381	0.2446	0	0.0254	0.2701
1069	15.7	14.8	2.119	0	0.0187	2.1377	0.2376	0	0.0192	0.2568
1070	15.7	14.9	2.1184	0	0.0188	2.1372	0.2401	0	0.0176	0.2577
1071	15.3	14.9	2.1176	0	0.0188	2.1364	0.2437	0	0.0182	0.262
1072	15.4	15	2.1178	0	0.0188	2.1366	0.2466	0	0.0172	0.2637
1073	15.3	15	2.1174	0	0.0188	2.1363	0.2499	0	0.0174	0.2673
1074	15.4	15.1	2.1156	0	0.0189	2.1345	0.2492	0	0.0139	0.2631
1075	15.2	15.1	2.1151	0	0.0189	2.134	0.2632	0	-0.0067	0.2564
1076	15.9	15.2	2.1142	0	0.0186	2.1328	0.2647	0	-0.0172	0.2476
1077	15.2	15.2	2.1135	0	0.0187	2.1322	0.2652	0	-0.0187	0.2465
1078	14.6	15.1	2.113	0	0.0187	2.1317	0.2657	0	-0.0152	0.2505
1079	15.1	15.1	2.1126	0	0.0188	2.1314	0.2673	0	-0.0129	0.2545
1080	15.4	15	2.1126	0	0.0189	2.1315	0.2659	0	-0.0084	0.2574
1081	15.1	14.9	2.1129	0	0.019	2.1318	0.2697	0	-0.0075	0.2622
1082	14.8	14.9	2.1124	0	0.0192	2.1316	0.273	0	-0.006	0.267
1083	15.1	14.8	2.1116	0	0.0193	2.1309	0.2627	0	-0.0047	0.2581
1084	14.6	14.8	2.1115	0	0.0194	2.1309	0.2568	0	-0.0138	0.243
1085	15	14.8	2.111	0	0.0195	2.1305	0.2536	0	-0.0226	0.231
1086	14.4	14.7	2.1109	0	0.0194	2.1303	0.2391	0	-0.0237	0.2154
1087	13.8	14.6	2.1105	0	0.0194	2.1299	0.2332	0	-0.0288	0.2044
1088	15	14.6	2.1103	0	0.0192	2.1295	0.2343	0	-0.0334	0.2009
1089	13.9	14.6	2.1108	0	0.0183	2.129	0.2379	0	-0.0307	0.2072
1090	14.3	14.5	2.1108	0	0.0181	2.1288	0.2414	0	-0.019	0.2224
1091	14.7	14.5	2.1101	0	0.0184	2.1285	0.2438	0	-0.0084	0.2355
1092	14.7	14.4	2.1095	0	0.0186	2.1281	0.2434	0	-0.003	0.2404
1093	14.6	14.4	2.1091	0	0.0184	2.1275	0.2553	0	-0.0008	0.2546
1094	14.3	14.5	2.1089	0	0.0181	2.127	0.2429	0	-0.0003	0.2426
1095	15	14.5	2.1093	0	0.018	2.1273	0.2316	0	-0.0016	0.23
1096	14.1	14.5	2.1099	0	0.0178	2.1277	0.2197	0	0.0073	0.227
1097	14.2	14.5	2.1112	0	0.0173	2.1285	0.2098	0	0.0146	0.2244
1098	14.2	14.5	2.1112	0	0.0175	2.1287	0.2058	0	0.0128	0.2186
1099	14	14.5	2.1107	0	0.0175	2.1282	0.2098	0	0.008	0.2178
1100	14.1	14.5	2.1102	0	0.0173	2.1275	0.2045	0	0.0054	0.2099
1101	14.4	14.4	2.1099	0	0.0174	2.1273	0.1938	0	0.0099	0.2037

1102	14.8	14.4	2.1095	0	0.0177	2.1272	0.2026	0	0.0166	0.2193
1103	15	14.3	2.1092	0	0.0181	2.1273	0.2097	0	0.0186	0.2283
1104	15.3	14.3	2.1091	0	0.0184	2.1275	0.2133	0	0.0192	0.2325
1105	15.4	14.2	2.1087	0	0.0182	2.1269	0.2187	0	0.0145	0.2332
1106	14.2	14.2	2.1081	0	0.0179	2.1259	0.224	0	0.0123	0.2363
1107	15	14.3	2.1074	0	0.0178	2.1252	0.2218	0	0.0169	0.2386
1108	14	14.3	2.1073	0	0.0177	2.125	0.2179	0	0.0198	0.2378
1109	13.5	14.4	2.1065	0	0.0178	2.1243	0.2171	0	0.0194	0.2365
1110	13	14.4	2.1063	0	0.0176	2.124	0.2188	0	0.0149	0.2337
1111	13.7	14.5	2.1071	0	0.0174	2.1245	0.2197	0	0.0135	0.2332
1112	13.8	14.5	2.1078	0	0.0172	2.125	0.2178	0	0.0131	0.2308
1113	13.9	14.6	2.1079	0	0.017	2.1249	0.2166	0	0.0151	0.2318
1114	14	14.6	2.1076	0	0.017	2.1246	0.2172	0	0.0137	0.2309
1115	14.2	14.6	2.1069	0	0.017	2.1239	0.2128	0	0.0135	0.2262
1116	14.7	14.7	2.1063	0	0.0171	2.1233	0.2044	0	0.0116	0.216
1117	15.1	14.7	2.1064	0	0.0171	2.1235	0.196	0	0.0094	0.2054
1118	14.7	14.6	2.1064	0	0.0174	2.1238	0.1958	0	0.0093	0.2051
1119	14.9	14.7	2.1058	0	0.0176	2.1235	0.1943	0	0.011	0.2053
1120	16.2	14.7	2.1053	0	0.0177	2.123	0.1869	0	0.0131	0.1999
1121	15	14.7	2.1052	0	0.0179	2.1231	0.1823	0	0.015	0.1973
1122	16.9	14.7	2.1052	0	0.0179	2.1231	0.1786	0	0.0162	0.1948
1123	15.6	14.8	2.1053	0	0.0182	2.1235	0.1847	0	0.016	0.2007
1124	15.3	14.8	2.1034	0	0.02	2.1234	0.1835	0	0.0142	0.1977
1125	15.7	14.8	2.1023	0	0.0208	2.1231	0.1664	0	0.014	0.1804
1126	14.6	14.8	2.1018	0	0.0209	2.1227	0.1663	0	0.0132	0.1795
1127	13.6	14.8	2.1014	0	0.0209	2.1223	0.162	0	0.0077	0.1697
1128	13.8	14.8	2.1013	0	0.0206	2.1219	0.1556	0	0.0049	0.1604
1129	13.7	14.8	2.1012	0	0.0202	2.1215	0.1493	0	0.006	0.1553
1130	14	14.7	2.1008	0	0.0203	2.1211	0.1434	0	0.0062	0.1496
1131	14.1	14.6	2.1005	0	0.0203	2.1208	0.1434	0	0.0077	0.1511
1132	14.8	14.5	2.1011	0	0.0198	2.1209	0.1475	0	0.0075	0.155
1133	14.3	14.4	2.101	0	0.0201	2.1211	0.1433	0	0.0102	0.1535
1134	14.2	14.3	2.1008	0	0.0203	2.1211	0.1358	0	0.0137	0.1495
1135	15.3	14.2	2.1017	0	0.0201	2.1218	0.1376	0	0.0162	0.1538
1136	14.4	14.2	2.102	0	0.0205	2.1225	0.1332	0	0.02	0.1533
1137	14.2	14.3	2.102	0	0.0209	2.1229	0.1334	0	0.0235	0.1569
1138	14.8	14.4	2.1018	0	0.0208	2.1226	0.1319	0	0.0302	0.1621

1139	14.5	14.4	2.1014	0	0.0203	2.1217	0.1327	0	0.0304	0.1631
1140	14	14.5	2.1011	0	0.0197	2.1208	0.1504	0	0.0217	0.1721
1141	14.1	14.6	2.1011	0	0.0194	2.1204	0.1612	0	0.0174	0.1787
1142	14.4	14.6	2.0999	0	0.0192	2.119	0.1623	0	0.0166	0.1789
1143	14	14.6	2.1004	0	0.019	2.1194	0.1636	0	0.0195	0.183
1144	13.9	14.7	2.1006	0	0.0193	2.1199	0.1612	0	0.0237	0.1849
1145	14.4	14.7	2.1012	0	0.0187	2.1199	0.1536	0	0.0267	0.1803
1146	15.1	14.7	2.1018	0	0.018	2.1197	0.1517	0	0.0274	0.1791
1147	14.6	14.7	2.1019	0	0.0178	2.1197	0.1555	0	0.0215	0.177
1148	15.1	14.6	2.1018	0	0.018	2.1198	0.1635	0	0.0126	0.1761
1149	15.5	14.6	2.1019	0	0.0183	2.1202	0.159	0	0.0099	0.169
1150	15.2	14.7	2.1018	0	0.0185	2.1204	0.1535	0	0.0091	0.1626
1151	15.1	14.7	2.1014	0	0.0188	2.1202	0.1495	0	0.007	0.1564
1152	15.2	14.7	2.1008	0	0.0191	2.1199	0.1461	0	0.0084	0.1545
1153	16.1	14.7	2.1002	0	0.019	2.1192	0.1392	0	0.0121	0.1513
1154	15.2	14.7	2.1	0	0.019	2.1189	0.1357	0	0.0179	0.1537
1155	13.8	14.7	2.0996	0	0.0188	2.1184	0.1376	0	0.0226	0.1602
1156	13.7	14.8	2.0999	0	0.0182	2.118	0.135	0	0.0218	0.1568
1157	14	14.8	2.1002	0	0.0178	2.118	0.128	0	0.0216	0.1496
1158	14.6	14.7	2.1002	0	0.0176	2.1178	0.1257	0	0.018	0.1438
1159	14.8	14.7	2.0998	0	0.0179	2.1177	0.1276	0	0.0196	0.1472
1160	14.7	14.7	2.0994	0	0.0182	2.1176	0.1237	0	0.0232	0.1469
1161	14.3	14.7	2.0991	0	0.0183	2.1174	0.1252	0	0.023	0.1482
1162	13.8	14.6	2.099	0	0.0182	2.1172	0.1335	0	0.0232	0.1567
1163	14	14.5	2.0991	0	0.0181	2.1171	0.1416	0	0.021	0.1627
1164	15	14.5	2.099	0	0.0182	2.1172	0.1457	0	0.0181	0.1637
1165	16.1	14.5	2.0992	0	0.0183	2.1174	0.146	0	0.0172	0.1632
1166	14.7	14.6	2.0996	0	0.0182	2.1178	0.1395	0	0.0186	0.158
1167	14.2	14.6	2.0997	0	0.018	2.1177	0.1277	0	0.0197	0.1474
1168	14.6	14.6	2.0999	0	0.0177	2.1175	0.1302	0	0.02	0.1501
1169	15.5	14.7	2.1004	0	0.0174	2.1177	0.1324	0	0.0225	0.1549
1170	14.5	14.7	2.1002	0	0.0173	2.1175	0.1289	0	0.0234	0.1523
1171	14	14.8	2.0997	0	0.0172	2.1169	0.1253	0	0.0234	0.1486
1172	14.2	14.8	2.0993	0	0.0172	2.1165	0.1278	0	0.0254	0.1532
1173	14.4	14.8	2.0991	0	0.0174	2.1165	0.13	0	0.0268	0.1568
1174	14.6	14.8	2.099	0	0.0175	2.1165	0.132	0	0.0315	0.1635
1175	14.6	14.8	2.0985	0	0.0176	2.1161	0.1176	0	0.0513	0.1689

1176	14.3	14.8	2.098	0	0.0179	2.1159	0.1106	0	0.0609	0.1715
1177	14.8	14.8	2.0979	0	0.0182	2.1161	0.1065	0	0.0602	0.1666
1178	16.2	14.8	2.0981	0	0.0181	2.1162	0.1073	0	0.061	0.1683
1179	15.5	14.8	2.0983	0	0.0182	2.1165	0.1095	0	0.0565	0.166
1180	15.3	14.8	2.0983	0	0.0181	2.1164	0.1105	0	0.051	0.1615
1181	14.7	14.8	2.0981	0	0.0182	2.1163	0.1055	0	0.0505	0.156
1182	14.8	14.8	2.0981	0	0.0181	2.1162	0.1002	0	0.0497	0.1499
1183	15	14.8	2.098	0	0.018	2.116	0.1	0	0.0451	0.1451
1184	14.8	14.8	2.0978	0	0.0178	2.1156	0.0967	0	0.0477	0.1444
1185	14.9	14.8	2.0977	0	0.0175	2.1152	0.0926	0	0.0506	0.1432
1186	15.4	14.8	2.0976	0	0.017	2.1146	0.1026	0	0.05	0.1526
1187	14.5	14.8	2.0974	0	0.0164	2.1137	0.112	0	0.0518	0.1639
1188	14.8	14.7	2.097	0	0.0162	2.1132	0.1176	0	0.058	0.1755
1189	14.1	14.6	2.0957	0	0.0161	2.1118	0.1209	0	0.0581	0.179
1190	14.5	14.5	2.0946	0	0.0163	2.111	0.1192	0	0.0529	0.172
1191	14	14.5	2.0938	0	0.0168	2.1106	0.1167	0	0.0468	0.1635
1192	14.3	14.4	2.0931	0	0.0167	2.1098	0.1172	0	0.0425	0.1598
1193	14.8	14.3	2.093	0	0.016	2.109	0.1091	0	0.0393	0.1484
1194	14.7	14.2	2.0935	0	0.0154	2.109	0.1195	0	0.0389	0.1584
1195	14.3	14.2	2.0941	0	0.0152	2.1094	0.1237	0	0.041	0.1648
1196	14.4	14.1	2.0943	0	0.0157	2.11	0.1279	0	0.039	0.167
1197	14.3	14	2.0948	0	0.016	2.1109	0.1379	0	0.0363	0.1743
1198	13.9	14	2.0953	0	0.0165	2.1118	0.1407	0	0.0343	0.175
1199	13.6	14	2.0954	0	0.0166	2.112	0.1404	0	0.0376	0.178
1200	14	13.9	2.0952	0	0.0166	2.1118	0.1473	0	0.042	0.1893
1201	13.3	13.9	2.0953	0	0.0166	2.1119	0.1511	0	0.0461	0.1972
1202	13.4	13.8	2.0956	0	0.0165	2.1121	0.1455	0	0.0507	0.1961
1203	13.6	13.7	2.0956	0	0.0163	2.1119	0.142	0	0.0543	0.1964
1204	13.4	13.7	2.0953	0	0.0161	2.1114	0.1414	0	0.057	0.1985
1205	13.6	13.6	2.0952	0	0.016	2.1112	0.1377	0	0.0578	0.1955
1206	13.8	13.7	2.0953	0	0.0157	2.111	0.1365	0	0.0552	0.1917
1207	13.7	13.6	2.0948	0	0.016	2.1108	0.139	0	0.0472	0.1861
1208	13.7	13.6	2.0945	0	0.0157	2.1103	0.1429	0	0.0415	0.1844
1209	13.2	13.6	2.0941	0	0.0155	2.1096	0.1464	0	0.0387	0.1851
1210	13.5	13.6	2.0938	0	0.0153	2.1091	0.1486	0	0.0388	0.1874
1211	13.5	13.6	2.0937	0	0.0151	2.1088	0.1495	0	0.04	0.1896
1212	13.4	13.7	2.0936	0	0.0151	2.1087	0.1491	0	0.0436	0.1927

1213	13.4	13.8	2.0933	0	0.0152	2.1086	0.14	0	0.0489	0.189
1214	13.6	13.8	2.093	0	0.0153	2.1082	0.1323	0	0.0494	0.1818
1215	14.5	13.8	2.0929	0	0.0152	2.1081	0.1296	0	0.0512	0.1808
1216	13.9	13.9	2.0935	0	0.0151	2.1086	0.1356	0	0.0512	0.1868
1217	13.6	13.9	2.0934	0	0.0151	2.1085	0.145	0	0.0488	0.1937
1218	13.6	14	2.0932	0	0.0152	2.1083	0.146	0	0.0451	0.1911
1219	13.6	14	2.093	0	0.0153	2.1082	0.1461	0	0.043	0.1891
1220	13.8	14	2.0928	0	0.0154	2.1081	0.1501	0	0.0437	0.1938
1221	14.7	14.1	2.0924	0	0.0153	2.1078	0.1448	0	0.0424	0.1872
1222	15	14.1	2.0922	0	0.0152	2.1074	0.1411	0	0.0378	0.1789
1223	14.5	14.1	2.0921	0	0.0151	2.1071	0.1388	0	0.0371	0.1759
1224	14	14.1	2.0916	0	0.0149	2.1065	0.1428	0	0.0364	0.1792
1225	14.5	14.1	2.0912	0	0.0147	2.1059	0.1477	0	0.0356	0.1832
1226	14.4	14.2	2.0912	0	0.0149	2.1061	0.1492	0	0.037	0.1862
1227	14.6	14.1	2.0907	0	0.0148	2.1055	0.1525	0	0.0408	0.1933
1228	13.9	14.1	2.0903	0	0.0149	2.1053	0.16	0	0.0446	0.2047
1229	13.9	14.1	2.0902	0	0.0151	2.1053	0.1663	0	0.0455	0.2118
1230	14.2	14.1	2.0902	0	0.0153	2.1055	0.1722	0	0.0476	0.2198
1231	14.1	14.1	2.0905	0	0.0153	2.1058	0.175	0	0.0453	0.2202
1232	13.9	14	2.0911	0	0.0153	2.1064	0.1776	0	0.0454	0.2229
1233	13.9	14	2.0913	0	0.0153	2.1066	0.183	0	0.0427	0.2257
1234	14.7	14	2.0915	0	0.0153	2.1068	0.1839	0	0.042	0.2259
1235	14.2	14	2.0914	0	0.0151	2.1065	0.1855	0	0.0403	0.2257
1236	13.2	14	2.0908	0	0.0153	2.1061	0.1894	0	0.0369	0.2263
1237	13.6	14	2.0902	0	0.0151	2.1053	0.1932	0	0.0325	0.2257
1238	13.8	14.1	2.0897	0	0.015	2.1047	0.1963	0	0.0255	0.2218
1239	13.8	14.1	2.0894	0	0.015	2.1044	0.1974	0	0.0228	0.2202
1240	13.4	14.1	2.0894	0	0.015	2.1044	0.1911	0	0.0211	0.2121
1241	13.3	14.1	2.0894	0	0.0151	2.1045	0.1902	0	0.0234	0.2136
1242	13.9	14.1	2.089	0	0.0153	2.1042	0.1904	0	0.0293	0.2197
1243	14.2	14.2	2.0885	0	0.0151	2.1036	0.1913	0	0.031	0.2223
1244	14.6	14.1	2.0882	0	0.0152	2.1034	0.1977	0	0.0269	0.2246
1245	15.1	14.1	2.0884	0	0.0148	2.1032	0.2017	0	0.0223	0.224
1246	15	14.2	2.088	0	0.0144	2.1023	0.2043	0	0.023	0.2272
1247	14.8	14.2	2.0878	0	0.0144	2.1022	0.2067	0	0.0288	0.2355
1248	14.9	14.3	2.0878	0	0.0142	2.102	0.2178	0	0.0302	0.248
1249	14.2	14.3	2.0872	0	0.014	2.1012	0.2317	0	0.0282	0.2599

1250	13.7	14.4	2.0867	0	0.0139	2.1006	0.2369	0	0.0249	0.2617
1251	14.2	14.4	2.0868	0	0.0138	2.1006	0.2418	0	0.025	0.2668
1252	14.5	14.4	2.0866	0	0.0136	2.1003	0.2509	0	0.0242	0.275
1253	14.2	14.4	2.0861	0	0.0133	2.0994	0.2565	0	0.0221	0.2787
1254	14.3	14.4	2.0862	0	0.0132	2.0994	0.2559	0	0.021	0.2769
1255	13.9	14.4	2.086	0	0.0133	2.0992	0.2578	0	0.0216	0.2795
1256	14.3	14.3	2.086	0	0.0134	2.0994	0.2647	0	0.0227	0.2874
1257	15	14.3	2.0859	0	0.0136	2.0996	0.27	0	0.0206	0.2905
1258	14.6	14.2	2.0855	0	0.0138	2.0993	0.2681	0	0.0241	0.2922
1259	14.5	14.2	2.085	0	0.014	2.099	0.2724	0	0.0226	0.295
1260	14.6	14.2	2.0845	0	0.0142	2.0986	0.2749	0	0.0207	0.2955
1261	13.8	14.1	2.0842	0	0.0139	2.0981	0.2751	0	0.0193	0.2944
1262	13.8	14	2.085	0	0.0133	2.0983	0.2783	0	0.0159	0.2943
1263	14.2	13.9	2.0858	0	0.0131	2.099	0.2807	0	0.0155	0.2962
1264	14.4	13.9	2.0861	0	0.0131	2.0992	0.2813	0	0.0169	0.2983
1265	14.2	13.9	2.0856	0	0.0132	2.0988	0.2821	0	0.0165	0.2986
1266	13.9	13.8	2.0851	0	0.0133	2.0984	0.2859	0	0.0153	0.3012
1267	13.9	13.7	2.0851	0	0.0135	2.0986	0.2947	0	0.016	0.3107
1268	13.5	13.7	2.0853	0	0.0134	2.0986	0.2921	0	0.016	0.3081
1269	13	13.7	2.0853	0	0.013	2.0983	0.2896	0	0.0168	0.3064
1270	13.1	13.6	2.0857	0	0.0131	2.0987	0.2907	0	0.0169	0.3076
1271	12.8	13.6	2.0856	0	0.0134	2.099	0.2911	0	0.0183	0.3094
1272	13.1	13.6	2.0854	0	0.0135	2.0989	0.2877	0	0.019	0.3067
1273	13.2	13.6	2.0848	0	0.0137	2.0986	0.2855	0	0.0177	0.3032
1274	13.4	13.5	2.0842	0	0.0139	2.0981	0.2854	0	0.0152	0.3006
1275	13.3	13.5	2.0836	0	0.0139	2.0975	0.2825	0	0.0131	0.2956
1276	13.6	13.5	2.0827	0	0.0138	2.0965	0.2795	0	0.0129	0.2923
1277	14.3	13.5	2.0819	0	0.0137	2.0956	0.2846	0	0.012	0.2967
1278	14.1	13.5	2.0815	0	0.0136	2.095	0.2866	0	0.012	0.2986
1279	13.1	13.5	2.0811	0	0.0134	2.0945	0.296	0	0.0148	0.3108
1280	14.1	13.6	2.0808	0	0.0136	2.0944	0.3018	0	0.0178	0.3196
1281	13.2	13.6	2.0804	0	0.0137	2.094	0.3015	0	0.021	0.3225
1282	13.3	13.7	2.0798	0	0.0139	2.0937	0.3115	0	0.0246	0.3361
1283	13.4	13.7	2.0796	0	0.0138	2.0934	0.332	0	0.0276	0.3596
1284	13.6	13.7	2.0792	0	0.0138	2.093	0.3429	0	0.0301	0.373
1285	14.1	13.7	2.0787	0	0.0138	2.0925	0.3579	0	0.0342	0.3921
1286	14	13.7	2.0782	0	0.0138	2.092	0.3639	0	0.0351	0.399

1287	13.4	13.7	2.0777	0	0.0138	2.0916	0.3524	0	0.0404	0.3928
1288	13.3	13.7	2.0772	0	0.0139	2.0912	0.3354	0	0.0427	0.3781
1289	14.2	13.8	2.0766	0	0.014	2.0906	0.3246	0	0.0417	0.3663
1290	14.1	13.8	2.0756	0	0.014	2.0896	0.3184	0	0.0375	0.3559
1291	13.8	13.9	2.0748	0	0.0138	2.0886	0.3142	0	0.0314	0.3456
1292	13.5	13.9	2.074	0	0.0136	2.0875	0.3093	0	0.0276	0.3369
1293	13.8	13.9	2.0732	0	0.0134	2.0866	0.3043	0	0.0271	0.3314
1294	13.9	13.9	2.0734	0	0.0132	2.0865	0.2976	0	0.0221	0.3197
1295	13.7	13.9	2.0737	0	0.0129	2.0866	0.2951	0	0.0227	0.3179
1296	13.8	13.9	2.0736	0	0.0128	2.0864	0.3	0	0.0213	0.3214
1297	14.5	14	2.0731	0	0.013	2.0861	0.2966	0	0.0189	0.3155
1298	15.1	14	2.0721	0	0.0137	2.0858	0.3026	0	0.0202	0.3229
1299	13.8	14	2.0717	0	0.0141	2.0858	0.3141	0	0.0205	0.3345
1300	14.1	14	2.0711	0	0.0141	2.0852	0.3181	0	0.0199	0.3379
1301	13.5	14	2.0702	0	0.0142	2.0844	0.3227	0	0.0172	0.3399
1302	13.8	14	2.0699	0	0.0143	2.0842	0.3319	0	0.0156	0.3475
1303	14	14	2.07	0	0.0142	2.0842	0.3367	0	0.0125	0.3492
1304	14.3	14	2.0696	0	0.0139	2.0835	0.3406	0	0.0072	0.3478
1305	14	14	2.0687	0	0.0138	2.0825	0.3533	0	0.0068	0.3601
1306	13.9	14	2.0683	0	0.0137	2.0819	0.3595	0	0.0078	0.3673
1307	14.3	13.9	2.068	0	0.0136	2.0816	0.3661	0	0.0095	0.3755
1308	13.6	13.9	2.0673	0	0.0135	2.0808	0.3734	0	0.0124	0.3858
1309	13.9	13.9	2.0666	0	0.0134	2.08	0.3792	0	0.0161	0.3953
1310	13.8	13.9	2.0663	0	0.0134	2.0797	0.3843	0	0.0193	0.4036
1311	13.7	14	2.0659	0	0.0135	2.0794	0.3897	0	0.0177	0.4074
1312	13.6	14	2.0655	0	0.0135	2.0791	0.3898	0	0.0182	0.4079
1313	13.5	14.1	2.0652	0	0.0135	2.0787	0.4024	0	0.0144	0.4168
1314	13.7	14.1	2.0647	0	0.0136	2.0784	0.4121	0	0.0131	0.4252
1315	14.1	14.1	2.0643	0	0.0137	2.078	0.4174	0	0.0136	0.431
1316	13.8	14.1	2.064	0	0.0135	2.0775	0.4168	0	0.0152	0.4319
1317	14	14.1	2.0642	0	0.0135	2.0777	0.4144	0	0.0188	0.4332
1318	14.3	14.2	2.0642	0	0.0135	2.0777	0.4137	0	0.0242	0.4379
1319	14.4	14.2	2.0639	0	0.0136	2.0775	0.4104	0	0.0234	0.4338
1320	14.7	14.2	2.0637	0	0.0135	2.0772	0.4087	0	0.0173	0.426
1321	15	14.2	2.0637	0	0.0134	2.0771	0.4119	0	0.0168	0.4287
1322	14.5	14.2	2.0637	0	0.0134	2.0771	0.4123	0	0.0174	0.4297
1323	14.1	14.3	2.0635	0	0.0135	2.0771	0.4206	0	0.0169	0.4375

1324	14.6	14.3	2.0634	0	0.0136	2.0769	0.426	0	0.0195	0.4455
1325	14.1	14.3	2.0633	0	0.0134	2.0767	0.4266	0	0.0222	0.4487
1326	14.9	14.3	2.0627	0	0.0137	2.0764	0.4274	0	0.0228	0.4502
1327	14.4	14.3	2.062	0	0.0136	2.0757	0.4279	0	0.022	0.4499
1328	14.2	14.3	2.0607	0	0.0135	2.0742	0.4313	0	0.0213	0.4526
1329	13.9	14.3	2.06	0	0.0133	2.0734	0.4367	0	0.0204	0.4571
1330	13.9	14.2	2.06	0	0.0132	2.0732	0.4375	0	0.0208	0.4583
1331	14.4	14.2	2.0594	0	0.0128	2.0722	0.4406	0	0.023	0.4636
1332	14.8	14.2	2.0579	0	0.0125	2.0704	0.4252	0	0.0239	0.449
1333	14	14.2	2.057	0	0.0123	2.0693	0.4065	0	0.0256	0.4321
1334	13.5	14.2	2.0557	0	0.0119	2.0676	0.4037	0	0.0245	0.4282
1335	14.4	14.3	2.055	0	0.0116	2.0666	0.406	0	0.0248	0.4308
1336	14	14.2	2.0556	0	0.0112	2.0668	0.4149	0	0.0258	0.4407
1337	13.9	14.2	2.0567	0	0.0108	2.0675	0.4178	0	0.0232	0.441
1338	13.9	14.3	2.0573	0	0.0108	2.0681	0.4172	0	0.0257	0.4429
1339	14.3	14.3	2.0576	0	0.0113	2.0689	0.4155	0	0.0286	0.4441
1340	14.6	14.3	2.058	0	0.0119	2.0699	0.4119	0	0.03	0.4419
1341	14.3	14.2	2.0584	0	0.0123	2.0708	0.404	0	0.03	0.434
1342	14	14.1	2.0585	0	0.0125	2.0711	0.3976	0	0.0275	0.4252
1343	14.9	14.2	2.0587	0	0.0129	2.0716	0.3934	0	0.0238	0.4172
1344	15.1	14.2	2.0587	0	0.0129	2.0716	0.3938	0	0.0224	0.4163
1345	14.1	14.2	2.0584	0	0.0127	2.0711	0.3929	0	0.0198	0.4127
1346	14.1	14.1	2.0583	0	0.0125	2.0708	0.3979	0	0.0184	0.4163
1347	14.9	14.1	2.0576	0	0.0123	2.0699	0.4	0	0.0178	0.4178
1348	14.6	14.1	2.0564	0	0.0122	2.0686	0.3984	0	0.0202	0.4186
1349	13.4	14.1	2.0554	0	0.0121	2.0674	0.3915	0	0.0274	0.4189
1350	13.3	14	2.0545	0	0.0122	2.0667	0.3889	0	0.0325	0.4214
1351	13.4	14	2.0537	0	0.0122	2.0659	0.3845	0	0.0324	0.4169
1352	14.7	14	2.0529	0	0.0124	2.0653	0.3783	0	0.0315	0.4098
1353	14	14	2.052	0	0.0126	2.0646	0.3788	0	0.0309	0.4096
1354	13.5	14	2.0509	0	0.0125	2.0634	0.3867	0	0.0315	0.4183
1355	13.6	14	2.05	0	0.0125	2.0625	0.3875	0	0.0327	0.4201
1356	13.3	14.1	2.0494	0	0.0125	2.0619	0.3827	0	0.0353	0.418
1357	13.5	14.2	2.0486	0	0.0124	2.061	0.3813	0	0.035	0.4163
1358	14.2	14.3	2.0476	0	0.0121	2.0597	0.3812	0	0.0348	0.416
1359	13.5	14.5	2.0465	0	0.0121	2.0586	0.3743	0	0.0352	0.4095
1360	14.5	14.6	2.0455	0	0.0124	2.0579	0.365	0	0.0355	0.4005

1361	14	14.7	2.0452	0	0.0121	2.0573	0.3569	0	0.037	0.3939
1362	14.4	14.8	2.0448	0	0.0119	2.0567	0.3527	0	0.0383	0.391
1363	14.8	14.9	2.0446	0	0.0118	2.0564	0.3511	0	0.0393	0.3904
1364	15.3	14.9	2.0443	0	0.0117	2.0561	0.3463	0	0.0394	0.3857
1365	15.8	15	2.0439	0	0.0117	2.0556	0.3394	0	0.0403	0.3797
1366	16.2	15.2	2.0437	0	0.0114	2.0551	0.3342	0	0.0406	0.3747
1367	16.5	15.2	2.0437	0	0.0111	2.0548	0.333	0	0.0386	0.3715
1368	16.7	15.3	2.0442	0	0.011	2.0552	0.3378	0	0.0374	0.3753
1369	15.9	15.3	2.0445	0	0.0113	2.0557	0.3399	0	0.036	0.3759
1370	15.8	15.3	2.0445	0	0.0114	2.0559	0.3359	0	0.0368	0.3727
1371	15.6	15.3	2.0444	0	0.0117	2.056	0.3362	0	0.0372	0.3734
1372	15.3	15.3	2.0434	0	0.0118	2.0552	0.338	0	0.0372	0.3752
1373	15.1	15.2	2.0422	0	0.0118	2.054	0.3385	0	0.0369	0.3754
1374	15.4	15.2	2.0415	0	0.0117	2.0533	0.3403	0	0.0378	0.3782
1375	15.6	15	2.0409	0	0.0116	2.0525	0.3422	0	0.039	0.3812
1376	15.2	14.9	2.0399	0	0.0116	2.0515	0.3415	0	0.0382	0.3798
1377	14.3	14.7	2.0388	0	0.0116	2.0504	0.3375	0	0.0408	0.3783
1378	14.5	14.6	2.0378	0	0.0115	2.0493	0.3347	0	0.0399	0.3746
1379	14.1	14.5	2.0373	0	0.0113	2.0487	0.3232	0	0.0366	0.3598
1380	13.9	14.5	2.0367	0	0.0113	2.048	0.3162	0	0.0335	0.3498
1381	13.9	14.4	2.0378	0	0.0113	2.0491	0.3206	0	0.0274	0.348
1382	14.2	14.4	2.0392	0	0.0113	2.0505	0.3167	0	0.02	0.3367
1383	14	14.4	2.0393	0	0.0113	2.0506	0.3073	0	0.0143	0.3216
1384	13.2	14.4	2.0386	0	0.0113	2.0499	0.3043	0	0.0109	0.3152
1385	14.1	14.3	2.0372	0	0.0112	2.0485	0.2934	0	0.007	0.3004
1386	13.1	14.3	2.0365	0	0.0115	2.0479	0.2874	0	0.0057	0.2931
1387	14	14.2	2.036	0	0.0113	2.0473	0.2946	0	0.0044	0.2991
1388	14.4	14.2	2.0357	0	0.0111	2.0468	0.313	0	0.0011	0.314
1389	14.7	14.2	2.0354	0	0.011	2.0464	0.3335	0	-0.0031	0.3304
1390	15.1	14.3	2.0352	0	0.011	2.0462	0.3452	0	0.0013	0.3466
1391	15.4	14.3	2.035	0	0.0111	2.0461	0.3512	0	0.0076	0.3589
1392	15.3	14.3	2.0346	0	0.0112	2.0458	0.3569	0	0.0136	0.3704
1393	14.5	14.4	2.0338	0	0.0111	2.045	0.361	0	0.0169	0.3778
1394	13.6	14.5	2.0341	0	0.0112	2.0453	0.367	0	0.022	0.389
1395	14.5	14.5	2.0339	0	0.0111	2.045	0.3723	0	0.024	0.3963
1396	13.9	14.6	2.0336	0	0.011	2.0447	0.374	0	0.0222	0.3961
1397	14.4	14.7	2.0332	0	0.011	2.0442	0.3729	0	0.0238	0.3967

1398	14.3	14.7	2.033	0	0.0109	2.0439	0.3629	0	0.0253	0.3881
1399	14.2	14.7	2.0328	0	0.0109	2.0437	0.3533	0	0.0245	0.3779
1400	14.6	14.6	2.0326	0	0.0109	2.0435	0.3504	0	0.0216	0.372
1401	15.1	14.5	2.0324	0	0.011	2.0434	0.3472	0	0.022	0.3692
1402	15.8	14.5	2.0321	0	0.0112	2.0432	0.3432	0	0.0241	0.3673
1403	15	14.5	2.0314	0	0.011	2.0424	0.3384	0	0.0283	0.3667
1404	14.4	14.5	2.0308	0	0.0107	2.0415	0.3295	0	0.0282	0.3576
1405	14.8	14.5	2.0305	0	0.0102	2.0407	0.3179	0	0.0254	0.3433
1406	14.7	14.5	2.0301	0	0.0102	2.0403	0.3129	0	0.0269	0.3398
1407	14.6	14.5	2.0299	0	0.0101	2.04	0.304	0	0.0252	0.3292
1408	14.3	14.5	2.0299	0	0.01	2.0398	0.292	0	0.0215	0.3135
1409	13.9	14.5	2.0301	0	0.0099	2.04	0.2823	0	0.0133	0.2955
1410	13.8	14.4	2.0306	0	0.0097	2.0403	0.2793	0	0.01	0.2893
1411	14.2	14.4	2.0306	0	0.0097	2.0403	0.276	0	0.0143	0.2903
1412	14.6	14.3	2.0304	0	0.0096	2.04	0.2732	0	0.0124	0.2857
1413	14.4	14.2	2.0306	0	0.0096	2.0402	0.2691	0	0.0106	0.2797
1414	14.5	14.2	2.0308	0	0.0096	2.0404	0.2702	0	0.01	0.2802
1415	14.4	14.1	2.0309	0	0.0096	2.0405	0.2714	0	0.0094	0.2809
1416	13.9	14.1	2.0307	0	0.0096	2.0404	0.2724	0	0.0086	0.2809
1417	13.7	14	2.0304	0	0.0098	2.0402	0.2755	0	0.008	0.2835
1418	14.1	14	2.0302	0	0.0099	2.0401	0.2811	0	0.0062	0.2872
1419	13.6	14	2.0303	0	0.0099	2.0402	0.2889	0	0.0065	0.2954
1420	13.8	14.1	2.03	0	0.0098	2.0399	0.2897	0	0.0108	0.3004
1421	14.2	14.1	2.0299	0	0.0097	2.0396	0.2891	0	0.0127	0.3017
1422	13.8	14	2.0298	0	0.0098	2.0396	0.2812	0	0.0131	0.2944
1423	13.6	14	2.0295	0	0.0097	2.0392	0.2696	0	0.0154	0.285
1424	14.1	14	2.0292	0	0.0097	2.0388	0.2606	0	0.0154	0.276
1425	14.2	13.9	2.0291	0	0.0096	2.0387	0.2581	0	0.0133	0.2715
1426	13.5	13.9	2.029	0	0.0096	2.0386	0.2574	0	0.0107	0.2681
1427	13.7	13.9	2.0286	0	0.0096	2.0382	0.2564	0	0.01	0.2664
1428	14.3	13.9	2.0284	0	0.0098	2.0382	0.2541	0	0.0102	0.2643
1429	14.9	13.9	2.0284	0	0.01	2.0384	0.2494	0	0.0135	0.2629
1430	14.1	14	2.028	0	0.0104	2.0384	0.2458	0	0.0125	0.2583
1431	13.8	14	2.0277	0	0.0108	2.0385	0.241	0	0.0114	0.2525
1432	13.8	14.1	2.0272	0	0.0111	2.0383	0.2532	0	0.011	0.2642
1433	13.8	14.1	2.0266	0	0.0112	2.0378	0.2683	0	0.011	0.2793
1434	13.7	14.1	2.0264	0	0.0112	2.0375	0.2706	0	0.0108	0.2814

1435	13.5	14.2	2.0263	0	0.011	2.0373	0.2642	0	0.0098	0.274
1436	13.5	14.3	2.0261	0	0.0108	2.0369	0.2563	0	0.0075	0.2638
1437	14.5	14.4	2.0254	0	0.0107	2.0361	0.2583	0	0.0105	0.2688
1438	14.1	14.5	2.0239	0	0.0111	2.035	0.2625	0	0.0104	0.2729
1439	14.6	14.5	2.0231	0	0.0111	2.0342	0.2676	0	0.0092	0.2768
1440	14.8	14.6	2.0229	0	0.0111	2.034	0.2722	0	0.0089	0.2811
1441	14.8	14.7	2.0227	0	0.011	2.0337	0.2756	0	0.0111	0.2867
1442	14.6	14.8	2.0224	0	0.0109	2.0333	0.2822	0	0.0127	0.2949
1443	14.7	14.9	2.022	0	0.0107	2.0327	0.2826	0	0.0129	0.2955
1444	15.4	14.9	2.0215	0	0.0105	2.032	0.2797	0	0.0114	0.2911
1445	15.5	15	2.021	0	0.0105	2.0315	0.287	0	0.0114	0.2984
1446	16.1	15.1	2.021	0	0.0101	2.0311	0.291	0	0.0094	0.3004
1447	15.1	15	2.0213	0	0.0098	2.0311	0.2956	0	0.007	0.3026
1448	16	15	2.0211	0	0.0097	2.0308	0.3007	0	0.0053	0.3059
1449	15.5	15	2.0203	0	0.0099	2.0302	0.3049	0	0.0044	0.3092
1450	15.4	14.9	2.0197	0	0.01	2.0297	0.308	0	0.0041	0.3121
1451	15.4	14.9	2.0193	0	0.0098	2.0291	0.3086	0	0.0054	0.314
1452	15.2	14.9	2.0191	0	0.0096	2.0287	0.3093	0	0.0086	0.3179
1453	15.1	14.9	2.0191	0	0.0098	2.0289	0.313	0	0.0108	0.3238
1454	14.8	14.8	2.0191	0	0.01	2.0291	0.3028	0	0.0082	0.311
1455	14.6	14.7	2.0187	0	0.0098	2.0285	0.3033	0	0.0063	0.3095
1456	13.6	14.6	2.019	0	0.01	2.0289	0.3081	0	0.0023	0.3104
1457	14.1	14.5	2.0194	0	0.0102	2.0296	0.3111	0	0.0012	0.3123
1458	13.8	14.4	2.0194	0	0.0108	2.0302	0.3122	0	0.0002	0.3124
1459	14	14.3	2.0186	0	0.0111	2.0297	0.3129	0	-0.0004	0.3125
1460	14.4	14.2	2.0179	0	0.011	2.0289	0.3172	0	-0.0015	0.3157
1461	14.2	14	2.0179	0	0.0109	2.0288	0.322	0	-0.0016	0.3204
1462	14.6	13.9	2.0179	0	0.0108	2.0287	0.3215	0	-0.0015	0.3199
1463	14.4	13.8	2.0176	0	0.0108	2.0284	0.3203	0	-0.0025	0.3178
1464	13.8	13.7	2.0172	0	0.0108	2.028	0.3251	0	-0.0016	0.3235
1465	13.4	13.6	2.0167	0	0.0108	2.0275	0.3343	0	0	0.3342
1466	13.4	13.5	2.0161	0	0.0106	2.0268	0.3406	0	-0.0008	0.3398
1467	13.6	13.4	2.0156	0	0.0105	2.0261	0.3462	0	-0.0017	0.3444
1468	13.7	13.4	2.0153	0	0.0104	2.0257	0.3463	0	-0.0002	0.3461
1469	13.2	13.3	2.0155	0	0.0102	2.0257	0.3458	0	0.0032	0.349
1470	12.7	13.2	2.0156	0	0.0101	2.0257	0.3547	0	0.004	0.3587
1471	13	13.1	2.0162	0	0.0103	2.0266	0.3547	0	0.0039	0.3587

1472	12.9	13	2.0164	0	0.0103	2.0267	0.3505	0	0.0039	0.3544
1473	12.5	12.9	2.0162	0	0.0103	2.0264	0.3463	0	0.0046	0.3509
1474	12.6	12.9	2.0157	0	0.0104	2.0261	0.3398	0	0.0039	0.3438
1475	12.9	12.8	2.0151	0	0.0105	2.0256	0.3319	0	0.0008	0.3327
1476	12.5	12.7	2.0143	0	0.0106	2.0249	0.3259	0	0.0007	0.3267
1477	12.4	12.6	2.0134	0	0.0106	2.024	0.3204	0	0.0025	0.3229
1478	12.5	12.6	2.0129	0	0.0102	2.023	0.3132	0	0.0045	0.3177
1479	12.5	12.6	2.0127	0	0.0101	2.0228	0.3097	0	0.007	0.3167
1480	12.8	12.6	2.0126	0	0.0102	2.0228	0.308	0	0.0089	0.3169
1481	12.7	12.7	2.0125	0	0.0102	2.0227	0.3056	0	0.0106	0.3162
1482	12.4	12.7	2.0123	0	0.0102	2.0225	0.3093	0	0.0144	0.3238
1483	12.6	12.8	2.0122	0	0.0102	2.0224	0.3109	0	0.0171	0.328
1484	12.1	12.8	2.0122	0	0.0103	2.0225	0.3089	0	0.018	0.3269
1485	12.4	12.8	2.0116	0	0.0105	2.0221	0.3051	0	0.0179	0.323
1486	12	12.9	2.0106	0	0.0104	2.0211	0.3031	0	0.0175	0.3206
1487	12.4	12.9	2.0098	0	0.0102	2.02	0.303	0	0.0168	0.3198
1488	13.3	12.9	2.0089	0	0.0101	2.0191	0.2979	0	0.0151	0.313
1489	13.9	13	2.0082	0	0.0101	2.0183	0.2839	0	0.0202	0.3041
1490	13.9	13	2.0077	0	0.0099	2.0175	0.2758	0	0.0209	0.2967
1491	13.2	13	2.0068	0	0.0098	2.0166	0.274	0	0.0216	0.2956
1492	13.3	13	2.0064	0	0.0099	2.0163	0.2738	0	0.0204	0.2942
1493	13.5	13	2.0059	0	0.01	2.0158	0.273	0	0.0193	0.2923
1494	13.4	13.1	2.0054	0	0.0101	2.0154	0.2692	0	0.0192	0.2884
1495	13.1	13.1	2.0048	0	0.0102	2.015	0.2603	0	0.0181	0.2784
1496	13.1	13.1	2.0041	0	0.0103	2.0144	0.2521	0	0.0185	0.2706
1497	13.3	13.2	2.0032	0	0.0105	2.0136	0.2503	0	0.0141	0.2644
1498	13.4	13.1	2.0025	0	0.0105	2.013	0.252	0	0.0082	0.2602
1499	13.2	13.1	2.002	0	0.0104	2.0124	0.2496	0	0.0075	0.2571
1500	13	13	2.0018	0	0.0103	2.0121	0.2423	0	0.0111	0.2534
1501	12.6	13	2.0014	0	0.0102	2.0116	0.2336	0	0.0126	0.2462
1502	12.3	12.9	2.0007	0	0.0101	2.0109	0.2267	0	0.0092	0.236
1503	13.2	12.9	2.0011	0	0.0102	2.0113	0.2266	0	0.0058	0.2324
1504	12.9	12.9	2.0005	0	0.01	2.0105	0.2317	0	0.0089	0.2406
1505	12.8	12.8	1.9997	0	0.01	2.0097	0.2357	0	0.0139	0.2496
1506	12.9	12.8	1.999	0	0.01	2.0091	0.2321	0	0.0157	0.2478
1507	12.9	12.7	1.9987	0	0.0101	2.0087	0.2316	0	0.0193	0.2509
1508	12.8	12.7	1.9986	0	0.01	2.0086	0.233	0	0.0211	0.2541

1509	12.7	12.7	1.9984	0	0.01	2.0084	0.227	0	0.0257	0.2527
1510	12.4	12.7	1.9984	0	0.0099	2.0083	0.2127	0	0.0275	0.2402
1511	12.5	12.7	1.9985	0	0.0099	2.0083	0.1999	0	0.0252	0.2251
1512	12.7	12.7	1.9984	0	0.0099	2.0083	0.1946	0	0.0204	0.215
1513	12.8	12.7	1.998	0	0.0098	2.0078	0.1929	0	0.0177	0.2107
1514	12.5	12.6	1.9974	0	0.0096	2.007	0.1911	0	0.0151	0.2062
1515	12.1	12.6	1.9968	0	0.0097	2.0065	0.1893	0	0.0142	0.2035
1516	12.5	12.5	1.9961	0	0.0098	2.0059	0.1849	0	0.0154	0.2003
1517	13.3	12.5	1.9958	0	0.0098	2.0056	0.1803	0	0.0144	0.1947
1518	13.5	12.4	1.9956	0	0.0096	2.0052	0.1766	0	0.0131	0.1897
1519	12.6	12.4	1.9948	0	0.0095	2.0043	0.1736	0	0.0127	0.1862
1520	12.1	12.4	1.9946	0	0.0094	2.004	0.1749	0	0.0107	0.1856
1521	12.2	12.4	1.9948	0	0.0093	2.0041	0.1781	0	0.0091	0.1872
1522	12.5	12.4	1.9952	0	0.0093	2.0045	0.1852	0	0.0114	0.1966
1523	12.5	12.4	1.9955	0	0.0094	2.0049	0.1816	0	0.0097	0.1913
1524	11.2	12.3	1.996	0	0.0096	2.0055	0.1779	0	0.0088	0.1867
1525	11.8	12.3	1.9965	0	0.0095	2.006	0.1732	0	0.0099	0.1832
1526	12.2	12.2	1.9969	0	0.0094	2.0063	0.1719	0	0.0118	0.1837
1527	12.2	12.2	1.9973	0	0.0092	2.0064	0.1688	0	0.0126	0.1814
1528	12.2	12.1	1.9974	0	0.0091	2.0065	0.161	0	0.0118	0.1728
1529	12.5	12	1.9976	0	0.0091	2.0067	0.1565	0	0.0081	0.1647
1530	12.6	12	1.9974	0	0.0093	2.0068	0.1541	0	0.0102	0.1643
1531	12.7	12	1.9968	0	0.0094	2.0062	0.1505	0	0.0135	0.164
1532	12.3	12	1.9961	0	0.0094	2.0055	0.1508	0	0.0148	0.1657
1533	11.6	12	1.9957	0	0.0094	2.0051	0.1494	0	0.0157	0.1651
1534	11.3	12	1.9959	0	0.0094	2.0052	0.1474	0	0.0168	0.1642
1535	11.4	12.1	1.996	0	0.0093	2.0052	0.1449	0	0.0175	0.1624
1536	12	12.1	1.9958	0	0.0091	2.0049	0.1376	0	0.0191	0.1567
1537	11.4	12.1	1.9956	0	0.0092	2.0048	0.1281	0	0.0202	0.1483
1538	11.9	12.1	1.9955	0	0.0091	2.0046	0.118	0	0.0202	0.1382
1539	11.6	12.1	1.9955	0	0.009	2.0045	0.1071	0	0.0194	0.1265
1540	12	12	1.9955	0	0.0089	2.0044	0.0963	0	0.0181	0.1144
1541	12.4	12	1.9954	0	0.0089	2.0043	0.0948	0	0.0159	0.1106
1542	12.4	12	1.9951	0	0.0089	2.0041	0.0886	0	0.015	0.1037
1543	12.4	12	1.9951	0	0.0088	2.0039	0.0861	0	0.0139	0.1
1544	12.6	12.1	1.9954	0	0.0087	2.0041	0.0829	0	0.012	0.0949
1545	12	12.1	1.9958	0	0.0086	2.0044	0.0797	0	0.0111	0.0908

1546	12.4	12.1	1.996	0	0.0087	2.0047	0.0748	0	0.0113	0.0861
1547	12.2	12.2	1.9961	0	0.009	2.0051	0.0666	0	0.0122	0.0788
1548	12.3	12.2	1.9961	0	0.009	2.0051	0.0566	0	0.0139	0.0705
1549	12.2	12.2	1.9961	0	0.0088	2.0049	0.0499	0	0.0159	0.0658
1550	12.3	12.2	1.9964	0	0.0087	2.0051	0.0468	0	0.0163	0.0631
1551	12.3	12.2	1.9967	0	0.0089	2.0055	0.0446	0	0.0143	0.0589
1552	11.9	12.1	1.9964	0	0.009	2.0054	0.0447	0	0.0134	0.0581
1553	12	12.1	1.9959	0	0.0089	2.0048	0.0418	0	0.0131	0.0549
1554	12.5	12.1	1.9955	0	0.0086	2.0041	0.0491	0	0.0135	0.0626
1555	11.8	12.1	1.9955	0	0.0082	2.0037	0.0441	0	0.0118	0.0559
1556	11.9	12.1	1.9958	0	0.008	2.0039	0.0327	0	0.0112	0.0439
1557	12	12.1	1.9961	0	0.0081	2.0042	0.0268	0	0.0086	0.0354
1558	12	12.1	1.9967	0	0.0083	2.0049	0.0278	0	0.0097	0.0375
1559	12.2	12.1	1.9973	0	0.0083	2.0056	0.0305	0	0.0099	0.0405
1560	12.2	12	1.9979	0	0.0084	2.0064	0.0356	0	0.0108	0.0464
1561	11.5	12	1.9984	0	0.0088	2.0073	0.0398	0	0.011	0.0508
1562	12	11.9	1.9986	0	0.009	2.0076	0.0427	0	0.0127	0.0555
1563	11.9	11.9	1.9985	0	0.0093	2.0078	0.0439	0	0.0146	0.0586
1564	12.6	11.9	1.9983	0	0.0094	2.0076	0.041	0	0.0134	0.0545
1565	11.7	11.9	1.9982	0	0.0093	2.0075	0.0335	0	0.01	0.0435
1566	12.3	11.8	1.9981	0	0.0092	2.0073	0.0278	0	0.0108	0.0386
1567	12.5	11.8	1.998	0	0.0092	2.0071	0.0221	0	0.0122	0.0344
1568	11.6	11.8	1.998	0	0.0091	2.0071	0.0188	0	0.0127	0.0315
1569	11.3	11.7	1.998	0	0.0091	2.0071	0.0149	0	0.0116	0.0265
1570	11.3	11.7	1.9978	0	0.0092	2.007	0.0055	0	0.0124	0.0179
1571	11.4	11.7	1.9977	0	0.0092	2.0069	-0.0009	0	0.0122	0.0114
1572	11.9	11.7	1.9982	0	0.0093	2.0075	-0.0004	0	0.0109	0.0105
1573	11.5	11.7	1.9984	0	0.0094	2.0078	0.0052	0	0.0115	0.0168
1574	11.4	11.7	1.9984	0	0.0094	2.0078	0.0117	0	0.0148	0.0265
1575	11.6	11.7	1.9979	0	0.0093	2.0073	0.0177	0	0.0176	0.0352
1576	11.6	11.7	1.9974	0	0.0093	2.0068	0.0231	0	0.0153	0.0384
1577	11.3	11.7	1.9973	0	0.0094	2.0067	0.0284	0	0.017	0.0454
1578	11.2	11.7	1.9972	0	0.0093	2.0066	0.0301	0	0.0165	0.0465
1579	11.3	11.7	1.9973	0	0.0091	2.0064	0.0363	0	0.0154	0.0517
1580	12	11.8	1.9976	0	0.0088	2.0064	0.041	0	0.0165	0.0575
1581	12.2	11.9	1.9974	0	0.0087	2.0061	0.0385	0	0.0209	0.0594
1582	12.3	11.9	1.9974	0	0.0086	2.006	0.0318	0	0.0214	0.0532

1583	12.1	11.9	1.9975	0	0.0085	2.006	0.0282	0	0.0196	0.0478
1584	12.2	12	1.9977	0	0.0086	2.0063	0.0272	0	0.018	0.0452
1585	12.3	12	1.9979	0	0.0086	2.0064	0.0267	0	0.0177	0.0444
1586	11.8	12.1	1.9978	0	0.0084	2.0062	0.0334	0	0.015	0.0485
1587	11.6	12.1	1.998	0	0.0082	2.0062	0.0378	0	0.0158	0.0536
1588	12.1	12.1	1.9982	0	0.0082	2.0064	0.0393	0	0.0196	0.0589
1589	12.7	12.2	1.9986	0	0.0083	2.0069	0.037	0	0.0193	0.0563
1590	12.4	12.2	1.9982	0	0.0083	2.0065	0.0333	0	0.0166	0.05
1591	12.2	12.2	1.9979	0	0.0083	2.0062	0.0311	0	0.014	0.0451
1592	12.5	12.1	1.9978	0	0.0085	2.0063	0.0268	0	0.0123	0.039
1593	12.4	12.1	1.9976	0	0.0088	2.0064	0.0263	0	0.0103	0.0366
1594	12.3	12.1	1.9974	0	0.0089	2.0064	0.0268	0	0.0097	0.0365
1595	12.5	12.1	1.9973	0	0.009	2.0064	0.0327	0	0.0089	0.0416
1596	12.2	12.1	1.9974	0	0.0091	2.0065	0.0389	0	0.0067	0.0456
1597	11.7	12.2	1.9975	0	0.0091	2.0066	0.0418	0	0.0069	0.0486
1598	12	12.1	1.9975	0	0.0089	2.0064	0.0441	0	0.0113	0.0554
1599	12.3	12.1	1.9973	0	0.0088	2.0061	0.046	0	0.0124	0.0584
1600	11.5	12.1	1.9973	0	0.0089	2.0062	0.0456	0	0.0091	0.0547
1601	11.5	12.1	1.997	0	0.0088	2.0058	0.0463	0	0.0053	0.0515
1602	11.8	12.1	1.9966	0	0.0088	2.0054	0.0447	0	0.0048	0.0495
1603	12	12.1	1.9962	0	0.0088	2.005	0.0433	0	0.0057	0.049
1604	12.3	12.1	1.9961	0	0.0089	2.0049	0.0367	0	0.0054	0.0421
1605	12.5	12.1	1.9964	0	0.0089	2.0053	0.0339	0	0.0042	0.0381
1606	12.1	12.1	1.9963	0	0.0092	2.0055	0.0374	0	0.0004	0.0378
1607	11.8	12.2	1.9959	0	0.0091	2.005	0.0464	0	-0.0035	0.0429
1608	12.4	12.2	1.9955	0	0.009	2.0045	0.0569	0	-0.0045	0.0524
1609	12.1	12.2	1.9949	0	0.0089	2.0038	0.0669	0	-0.0024	0.0645
1610	12.1	12.3	1.9944	0	0.0088	2.0032	0.0763	0	-0.0011	0.0752
1611	12.4	12.3	1.9942	0	0.0086	2.0028	0.0845	0	0.0013	0.0858
1612	12.3	12.3	1.994	0	0.0084	2.0024	0.0932	0	0.0061	0.0993
1613	12.2	12.3	1.9939	0	0.0084	2.0024	0.0948	0	0.0088	0.1036
1614	12.6	12.3	1.994	0	0.0086	2.0026	0.0934	0	0.0131	0.1065
1615	12.8	12.2	1.9941	0	0.0086	2.0027	0.0912	0	0.0161	0.1073
1616	13.2	12.3	1.9939	0	0.0086	2.0025	0.0898	0	0.0152	0.105
1617	12.5	12.3	1.9939	0	0.0085	2.0024	0.0882	0	0.0128	0.101
1618	12.3	12.2	1.9941	0	0.0084	2.0026	0.0932	0	0.0087	0.1019
1619	12.1	12.2	1.9943	0	0.0083	2.0025	0.1024	0	0.0054	0.1078

1620	12	12.2	1.9947	0	0.0082	2.0029	0.1049	0	0.0068	0.1118
1621	11.8	12.2	1.9949	0	0.0082	2.0031	0.111	0	0.0087	0.1197
1622	11.7	12.2	1.9946	0	0.0081	2.0028	0.1176	0	0.0096	0.1272
1623	11.9	12.1	1.9943	0	0.0079	2.0022	0.1272	0	0.0118	0.139
1624	12	12.1	1.9942	0	0.0078	2.002	0.1314	0	0.0141	0.1456
1625	12.6	12	1.9942	0	0.008	2.0022	0.1323	0	0.0152	0.1475
1626	12.2	12	1.9941	0	0.0076	2.0018	0.1252	0	0.0155	0.1406
1627	11.7	12	1.9943	0	0.0075	2.0018	0.1192	0	0.0154	0.1346
1628	11.8	11.9	1.9938	0	0.0076	2.0014	0.1195	0	0.0186	0.1381
1629	12	11.9	1.9935	0	0.0074	2.0009	0.1107	0	0.0223	0.133
1630	11.8	12	1.9936	0	0.0073	2.0008	0.1041	0	0.0234	0.1275
1631	11.6	12	1.9936	0	0.0073	2.0008	0.1055	0	0.0221	0.1276
1632	11.7	12	1.9932	0	0.0074	2.0007	0.1053	0	0.0199	0.1252
1633	11.8	11.9	1.993	0	0.0076	2.0006	0.105	0	0.0166	0.1216
1634	11.9	11.9	1.9932	0	0.0076	2.0008	0.1056	0	0.0137	0.1193
1635	12.4	11.9	1.9926	0	0.0078	2.0004	0.1085	0	0.0115	0.12
1636	12.2	11.9	1.992	0	0.0075	1.9995	0.1126	0	0.0116	0.1242
1637	11.7	11.9	1.9917	0	0.0072	1.9989	0.1132	0	0.0092	0.1224
1638	11.9	11.9	1.9918	0	0.0072	1.999	0.1124	0	0.0063	0.1187
1639	12.3	11.9	1.9922	0	0.0074	1.9995	0.1137	0	0.0078	0.1215
1640	12	11.9	1.9924	0	0.0075	1.9999	0.1159	0	0.0104	0.1263
1641	12	11.9	1.9927	0	0.0077	2.0004	0.1101	0	0.0107	0.1207
1642	11.1	11.8	1.9925	0	0.0079	2.0004	0.1058	0	0.01	0.1158
1643	11.6	11.9	1.9924	0	0.0078	2.0002	0.1014	0	0.0121	0.1135
1644	11.9	11.8	1.9922	0	0.0078	2	0.098	0	0.0157	0.1136
1645	12.1	11.8	1.9919	0	0.0079	1.9998	0.0969	0	0.0167	0.1135
1646	11.9	11.8	1.9918	0	0.008	1.9998	0.0944	0	0.016	0.1104
1647	12	11.8	1.9917	0	0.0079	1.9995	0.0937	0	0.0154	0.1091
1648	12	11.8	1.9915	0	0.0077	1.9992	0.0931	0	0.0149	0.108
1649	11.2	11.8	1.9915	0	0.0079	1.9994	0.0923	0	0.0131	0.1054
1650	11.4	11.8	1.9917	0	0.0082	2	0.0908	0	0.0114	0.1022
1651	11.1	11.9	1.9922	0	0.0084	2.0006	0.0889	0	0.0097	0.0986
1652	12.3	11.9	1.9921	0	0.0084	2.0005	0.0846	0	0.0083	0.0929
1653	11.8	11.9	1.9923	0	0.0083	2.0006	0.0853	0	0.0089	0.0942
1654	11.8	11.9	1.9921	0	0.0082	2.0003	0.0801	0	0.0071	0.0872
1655	11.7	11.9	1.9918	0	0.0082	2	0.0813	0	0.0067	0.088
1656	11.6	11.9	1.9912	0	0.0084	1.9996	0.0876	0	0.0095	0.0972

1657	12.5	11.9	1.9904	0	0.0086	1.999	0.0906	0	0.014	0.1046
1658	12.8	11.9	1.99	0	0.0085	1.9985	0.0906	0	0.0123	0.103
1659	12.1	11.8	1.9897	0	0.0084	1.9981	0.0905	0	0.0116	0.1022
1660	12.5	11.9	1.9895	0	0.0083	1.9978	0.0846	0	0.0091	0.0938
1661	12.1	11.9	1.9891	0	0.0082	1.9974	0.0812	0	0.0066	0.0878
1662	11.8	11.9	1.9891	0	0.0081	1.9973	0.0779	0	0.0021	0.08
1663	11.8	11.9	1.9892	0	0.008	1.9971	0.0768	0	0.0023	0.0791
1664	12	11.9	1.9891	0	0.0078	1.9969	0.0758	0	0.0032	0.0789
1665	11.6	11.9	1.9892	0	0.0077	1.997	0.0758	0	0.005	0.0808
1666	11.5	11.9	1.9893	0	0.0079	1.9972	0.0761	0	0.0046	0.0807
1667	11.8	11.8	1.9886	0	0.0083	1.9969	0.075	0	0.0036	0.0786
1668	10.8	11.7	1.9877	0	0.0086	1.9963	0.075	0	0.0018	0.0768
1669	11.9	11.7	1.9875	0	0.0084	1.996	0.0774	0	-0.0008	0.0767
1670	12.1	11.7	1.9867	0	0.0083	1.995	0.0813	0	-0.0015	0.0797
1671	11.7	11.7	1.986	0	0.0082	1.9942	0.0871	0	0.0003	0.0873
1672	11.8	11.7	1.9855	0	0.0081	1.9936	0.0902	0	0.0015	0.0916
1673	11.9	11.7	1.9852	0	0.008	1.9932	0.0895	0	0.0015	0.0911
1674	11.3	11.7	1.9852	0	0.0079	1.993	0.0887	0	-0.0007	0.0881
1675	11.5	11.7	1.9854	0	0.0078	1.9932	0.0881	0	-0.002	0.0861
1676	11	11.7	1.9855	0	0.0078	1.9933	0.086	0	-0.0012	0.0848
1677	11.9	11.7	1.9853	0	0.0075	1.9929	0.0851	0	-0.0055	0.0796
1678	12.3	11.8	1.9861	0	0.0071	1.9933	0.0856	0	-0.0059	0.0798
1679	12.2	11.8	1.9869	0	0.0067	1.9937	0.0833	0	-0.0046	0.0787
1680	11.7	11.8	1.987	0	0.0066	1.9936	0.0849	0	-0.0042	0.0807
1681	11.5	11.7	1.9869	0	0.0067	1.9936	0.0922	0	-0.0054	0.0868
1682	11.7	11.7	1.9869	0	0.007	1.9939	0.0998	0	-0.0054	0.0944
1683	11.6	11.8	1.9869	0	0.0072	1.9941	0.1034	0	-0.0036	0.0998
1684	12	11.8	1.9869	0	0.0074	1.9943	0.1057	0	-0.0016	0.1042
1685	12.5	11.8	1.9866	0	0.0074	1.994	0.1093	0	0.0003	0.1096
1686	11.7	11.8	1.9865	0	0.0075	1.994	0.0985	0	0.0045	0.103
1687	11.6	11.8	1.9867	0	0.0076	1.9943	0.088	0	0.0006	0.0886
1688	11.8	11.8	1.9869	0	0.0074	1.9943	0.0818	0	-0.0041	0.0777
1689	11.5	11.7	1.987	0	0.0073	1.9942	0.0834	0	-0.004	0.0794
1690	11.2	11.7	1.9872	0	0.0072	1.9944	0.0894	0	0	0.0894
1691	12	11.8	1.9874	0	0.0073	1.9947	0.0942	0	0.0045	0.0987
1692	12.2	11.7	1.9876	0	0.0073	1.9949	0.0976	0	0.0091	0.1067
1693	11.2	11.7	1.9878	0	0.0072	1.995	0.0951	0	0.0142	0.1094

1694	11.9	11.7	1.9877	0	0.0073	1.995	0.0951	0	0.0151	0.1102
1695	11.9	11.6	1.9879	0	0.0074	1.9953	0.0927	0	0.0141	0.1067
1696	11.5	11.6	1.9881	0	0.0076	1.9956	0.09	0	0.0129	0.1029
1697	11.5	11.6	1.9882	0	0.0076	1.9958	0.094	0	0.013	0.107
1698	11.8	11.6	1.9883	0	0.0076	1.9959	0.0953	0	0.0105	0.1058
1699	11.7	11.5	1.9882	0	0.0077	1.9959	0.094	0	0.0088	0.1028
1700	11.9	11.5	1.9884	0	0.0079	1.9963	0.0947	0	0.0115	0.1062
1701	10.8	11.5	1.9885	0	0.008	1.9965	0.0979	0	0.0162	0.114
1702	11.9	11.5	1.988	0	0.0079	1.9959	0.1042	0	0.0182	0.1224
1703	11.2	11.5	1.9882	0	0.0081	1.9963	0.106	0	0.02	0.126
1704	10.7	11.5	1.9879	0	0.0082	1.9961	0.1067	0	0.021	0.1277
1705	11.2	11.5	1.9876	0	0.0079	1.9956	0.1059	0	0.0205	0.1264
1706	11.8	11.5	1.9873	0	0.0078	1.9951	0.0973	0	0.0209	0.1182
1707	11.6	11.5	1.9868	0	0.0079	1.9947	0.0876	0	0.023	0.1106
1708	11.2	11.4	1.9865	0	0.0078	1.9943	0.0794	0	0.0235	0.1029
1709	10.8	11.4	1.9864	0	0.008	1.9944	0.0751	0	0.0209	0.096
1710	12.3	11.4	1.9863	0	0.0081	1.9944	0.0724	0	0.0193	0.0917
1711	11.9	11.5	1.9864	0	0.0084	1.9948	0.0804	0	0.009	0.0894
1712	11.5	11.5	1.9863	0	0.0082	1.9945	0.1153	0	-0.0317	0.0836
1713	11.7	11.5	1.9864	0	0.0081	1.9945	0.116	0	-0.0325	0.0834
1714	11.6	11.6	1.9865	0	0.0081	1.9946	0.1151	0	-0.0349	0.0802
1715	11.3	11.6	1.9865	0	0.0081	1.9946	0.1118	0	-0.0367	0.0752
1716	11.2	11.5	1.9864	0	0.0082	1.9946	0.1102	0	-0.0377	0.0725
1717	11.3	11.5	1.9864	0	0.0083	1.9947	0.1126	0	-0.0371	0.0754
1718	11.5	11.6	1.9864	0	0.0085	1.9949	0.1133	0	-0.0344	0.0789
1719	11.9	11.6	1.9861	0	0.0084	1.9946	0.1126	0	-0.0324	0.0802
1720	12.2	11.6	1.9859	0	0.0082	1.9941	0.113	0	-0.0335	0.0795
1721	12	11.6	1.9858	0	0.0081	1.9939	0.1081	0	-0.0322	0.0758
1722	11.3	11.6	1.9857	0	0.008	1.9937	0.099	0	-0.0306	0.0684
1723	11.4	11.6	1.9855	0	0.0079	1.9934	0.0995	0	-0.0319	0.0676
1724	11.6	11.6	1.9854	0	0.008	1.9934	0.1052	0	-0.0352	0.0701
1725	10.8	11.7	1.9856	0	0.0081	1.9937	0.1103	0	-0.0391	0.0712
1726	11.6	11.7	1.9856	0	0.0082	1.9938	0.1163	0	-0.0442	0.0721
1727	11.7	11.7	1.9857	0	0.0081	1.9938	0.1183	0	-0.0451	0.0732
1728	11.8	11.7	1.9855	0	0.008	1.9935	0.1201	0	-0.0486	0.0715
1729	12.2	11.7	1.985	0	0.0079	1.9929	0.1397	0	-0.0544	0.0852
1730	12	11.7	1.9844	0	0.0078	1.9922	0.1539	0	-0.0604	0.0934

1731	11.6	11.7	1.9836	0	0.0078	1.9914	0.1598	0	-0.0644	0.0954
1732	11.5	11.7	1.9829	0	0.0078	1.9907	0.1624	0	-0.0644	0.098
1733	11.6	11.7	1.9824	0	0.0078	1.9902	0.165	0	-0.0599	0.1051
1734	12.4	11.7	1.9823	0	0.0076	1.9898	0.1653	0	-0.0524	0.1128
1735	11.9	11.8	1.9828	0	0.0073	1.9901	0.1666	0	-0.045	0.1217
1736	11.4	11.7	1.9832	0	0.0075	1.9907	0.1694	0	-0.0405	0.1289
1737	11.7	11.7	1.9835	0	0.0076	1.9911	0.1715	0	-0.0375	0.134
1738	11.3	11.7	1.9835	0	0.0076	1.9911	0.1722	0	-0.0304	0.1418
1739	11.5	11.6	1.9832	0	0.0074	1.9906	0.1726	0	-0.0273	0.1453
1740	12	11.6	1.983	0	0.0071	1.9901	0.1752	0	-0.0274	0.1478
1741	11.6	11.6	1.9829	0	0.0068	1.9897	0.1801	0	-0.0279	0.1522
1742	11.4	11.6	1.983	0	0.0065	1.9895	0.184	0	-0.028	0.156
1743	11.9	11.6	1.9829	0	0.0063	1.9892	0.19	0	-0.0281	0.1619
1744	12.2	11.5	1.9829	0	0.0064	1.9893	0.1927	0	-0.0289	0.1638
1745	11.1	11.5	1.9829	0	0.0066	1.9895	0.1929	0	-0.0289	0.164
1746	11.1	11.5	1.9824	0	0.0067	1.9891	0.1933	0	-0.0288	0.1646
1747	11	11.4	1.9821	0	0.0068	1.989	0.1936	0	-0.0276	0.166
1748	11.3	11.4	1.9821	0	0.0069	1.989	0.1934	0	-0.0254	0.168
1749	11.8	11.4	1.9821	0	0.0067	1.9888	0.189	0	-0.0246	0.1644
1750	11.8	11.4	1.982	0	0.0066	1.9886	0.1814	0	-0.0262	0.1552
1751	11.7	11.4	1.9818	0	0.0066	1.9884	0.1821	0	-0.0219	0.1602
1752	11	11.3	1.9815	0	0.0064	1.9879	0.1848	0	-0.0213	0.1636
1753	11.6	11.3	1.9816	0	0.0062	1.9878	0.1821	0	-0.0224	0.1597
1754	11.2	11.2	1.9815	0	0.0061	1.9876	0.1852	0	-0.0203	0.1649
1755	11	11.2	1.982	0	0.0061	1.9881	0.1848	0	-0.0198	0.1649
1756	11.1	11.2	1.9824	0	0.0061	1.9885	0.1836	0	-0.0229	0.1606
1757	11.2	11.2	1.9825	0	0.0062	1.9887	0.1817	0	-0.0246	0.1571
1758	11.1	11.2	1.9825	0	0.0064	1.9889	0.1788	0	-0.0241	0.1548
1759	11	11.2	1.9825	0	0.0065	1.989	0.177	0	-0.0246	0.1524
1760	11.3	11.1	1.9814	0	0.0074	1.9888	0.178	0	-0.0231	0.1549
1761	10.9	11.1	1.9776	0	0.0114	1.989	0.179	0	-0.0223	0.1566
1762	11.4	11.1	1.9775	0	0.0114	1.9889	0.1819	0	-0.0196	0.1624
1763	11.1	11.1	1.9776	0	0.0115	1.9891	0.1832	0	-0.022	0.1612
1764	10.9	11.1	1.9779	0	0.0114	1.9894	0.1858	0	-0.023	0.1628
1765	11	11.1	1.9782	0	0.0115	1.9897	0.189	0	-0.0233	0.1657
1766	11.1	11.1	1.978	0	0.0116	1.9896	0.1913	0	-0.0231	0.1682
1767	11	11.1	1.9773	0	0.0117	1.989	0.1929	0	-0.0223	0.1706

1768	11.2	11.1	1.9765	0	0.0118	1.9883	0.1952	0	-0.0214	0.1738
1769	10.5	11.1	1.9762	0	0.0118	1.988	0.1976	0	-0.0196	0.178
1770	11.3	11.2	1.9759	0	0.0116	1.9874	0.1969	0	-0.0209	0.176
1771	11.1	11.2	1.9761	0	0.0113	1.9874	0.1969	0	-0.0241	0.1728
1772	10.8	11.2	1.9756	0	0.0113	1.9869	0.1979	0	-0.0254	0.1726
1773	11.2	11.2	1.9747	0	0.0115	1.9862	0.1986	0	-0.0271	0.1716
1774	11.5	11.2	1.9741	0	0.0118	1.9859	0.1984	0	-0.0281	0.1703
1775	11	11.2	1.9738	0	0.0122	1.986	0.1998	0	-0.0273	0.1725
1776	11.5	11.2	1.9737	0	0.0123	1.986	0.2054	0	-0.0265	0.1788
1777	11.3	11.2	1.9733	0	0.0124	1.9857	0.2082	0	-0.0258	0.1824
1778	11.7	11.2	1.9722	0	0.0126	1.9847	0.2122	0	-0.0273	0.1849
1779	11.8	11.3	1.9715	0	0.0128	1.9843	0.2121	0	-0.0289	0.1832
1780	11.7	11.3	1.9711	0	0.013	1.9841	0.2086	0	-0.0315	0.1771
1781	11.3	11.3	1.9707	0	0.0132	1.9838	0.2023	0	-0.0329	0.1694
1782	11	11.4	1.9704	0	0.013	1.9834	0.1943	0	-0.0334	0.1609
1783	11.4	11.5	1.9704	0	0.0124	1.9828	0.1868	0	-0.0339	0.153
1784	11	11.5	1.9702	0	0.0119	1.9821	0.1827	0	-0.035	0.1477
1785	10.8	11.6	1.9697	0	0.0114	1.9811	0.1827	0	-0.0384	0.1443
1786	10.9	11.6	1.9694	0	0.0112	1.9806	0.1934	0	-0.0429	0.1505
1787	11	11.7	1.9695	0	0.0106	1.9801	0.2034	0	-0.0412	0.1622
1788	11.7	11.7	1.9696	0	0.0102	1.9798	0.2113	0	-0.0391	0.1721
1789	12.2	11.7	1.9695	0	0.01	1.9795	0.2144	0	-0.0406	0.1738
1790	11.9	11.8	1.9692	0	0.01	1.9792	0.2135	0	-0.0449	0.1687
1791	12.3	11.8	1.969	0	0.0101	1.9791	0.2128	0	-0.0501	0.1627
1792	12.1	11.9	1.9686	0	0.0101	1.9787	0.2157	0	-0.0559	0.1598
1793	12.5	12	1.9685	0	0.0101	1.9786	0.2205	0	-0.0626	0.1579
1794	12.5	12.1	1.9684	0	0.0102	1.9786	0.2228	0	-0.0667	0.1561
1795	12.3	12.2	1.9686	0	0.0103	1.9789	0.2268	0	-0.0663	0.1605
1796	12.2	12.2	1.9687	0	0.0103	1.979	0.2309	0	-0.0629	0.168
1797	12.2	12.2	1.9689	0	0.0101	1.979	0.226	0	-0.063	0.163
1798	11.9	12.1	1.9694	0	0.0101	1.9794	0.2253	0	-0.0619	0.1634
1799	12.2	12	1.9701	0	0.0103	1.9804	0.2289	0	-0.0625	0.1663
1800	12	12	1.9702	0	0.0101	1.9803	0.2327	0	-0.0661	0.1667