

Test Name	PLY, WC, rep 1
Cladding	Plywood
Cladding Thickness [mm]	12
Insulation	Water-cooled steel plate
Insulation Thickness [mm]	
Cavity Width [mm]	50
Repetition Number	1
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 first 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]	54.6
Time to Peak HRR [mins]	9.15
Residual HRR [kW]	2.29
Total HR [MJ]	20.3
Peak dQ/dt [kW/s]	0.23
Time to Peak dQ/dt [s]	8.82

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	0.14	0.14	3.9571	0	-0.011	3.9461	0.3754	0	0.1829	0.5582
1	0.0146	0.0624	3.9568	0	-0.0147	3.9421	0.372	0	0.1715	0.5435
2	0.033	0.169	3.9561	0	-0.0159	3.9403	0.3736	0	0.1542	0.5278
3	0.259	0.385	3.9554	0	-0.0197	3.9357	0.3788	0	0.1476	0.5263
4	0.401	0.917	3.9551	0	-0.02	3.9351	0.3837	0	0.1584	0.542
5	0.634	1.6	3.9547	0	-0.0195	3.9352	0.383	0	0.1193	0.5023
6	1.22	2.3	3.9544	0	-0.0194	3.935	0.3871	0	0.0946	0.4817
7	2.25	2.95	3.9541	0	-0.0192	3.9349	0.398	0	0.0696	0.4676
8	3.3	3.45	3.9537	0	-0.0194	3.9343	0.4128	0	0.0552	0.4681
9	4.02	3.91	3.9538	0	-0.0201	3.9337	0.4264	0	0.0627	0.4891
10	5.3	4.32	3.9541	0	-0.02	3.9341	0.4376	0	0.0649	0.5025
11	6.29	4.73	3.9544	0	-0.0204	3.934	0.4472	0	0.0588	0.5061
12	6.09	5.14	3.9547	0	-0.0199	3.9348	0.4497	0	0.106	0.5558
13	7.17	5.55	3.9547	0	-0.0199	3.9348	0.4552	0	0.094	0.5492
14	7.08	5.96	3.9544	0	-0.02	3.9345	0.4554	0	0.0954	0.5508
15	7.1	6.35	3.9542	0	-0.0217	3.9324	0.4655	0	0.0996	0.5652
16	7.35	6.72	3.9538	0	-0.0208	3.933	0.4766	0	0.1051	0.5817
17	7.68	7.04	3.9536	0	-0.0208	3.9329	0.478	0	0.1045	0.5826
18	7.95	7.3	3.9534	0	-0.0204	3.9331	0.4831	0	0.1135	0.5965
19	7.94	7.54	3.9534	0	-0.0204	3.933	0.4876	0	0.0995	0.5871
20	7.82	7.74	3.9534	0	-0.0205	3.9329	0.476	0	0.0765	0.5525
21	7.89	7.87	3.9534	0	-0.0202	3.9333	0.4597	0	0.0593	0.519
22	8.03	8.01	3.9532	0	-0.0202	3.933	0.4494	0	0.0457	0.4951
23	8.03	8.11	3.9527	0	-0.0206	3.9321	0.4453	0	0.0375	0.4828
24	8.15	8.22	3.9525	0	-0.021	3.9314	0.4496	0	0.0417	0.4913
25	8.22	8.35	3.9522	0	-0.0214	3.9308	0.4549	0	0.0558	0.5107
26	8.33	8.46	3.9514	0	-0.0218	3.9297	0.462	0	0.0723	0.5343
27	8.16	8.57	3.9507	0	-0.0209	3.9298	0.4747	0	0.0697	0.5444
28	8.76	8.68	3.9502	0	-0.0202	3.93	0.4745	0	0.0534	0.5279

29	9.02	8.8	3.9498	0	-0.018	3.9318	0.4699	0	0.0693	0.5392
30	8.69	8.94	3.9494	0	-0.0178	3.9316	0.4652	0	0.0742	0.5394
31	8.79	9.05	3.9488	0	-0.0177	3.9311	0.4597	0	0.0829	0.5426
32	9.05	9.15	3.9482	0	-0.0172	3.931	0.4557	0	0.0839	0.5395
33	9.25	9.28	3.9474	0	-0.0173	3.93	0.455	0	0.0826	0.5376
34	9.48	9.42	3.9467	0	-0.0187	3.928	0.4545	0	0.0718	0.5262
35	9.43	9.55	3.9466	0	-0.0201	3.9265	0.4537	0	0.0545	0.5081
36	9.79	9.66	3.9466	0	-0.0197	3.9268	0.4568	0	0.0519	0.5087
37	10.1	9.76	3.9464	0	-0.0193	3.9271	0.4641	0	0.0635	0.5276
38	10.3	9.87	3.9461	0	-0.0196	3.9265	0.4702	0	0.0594	0.5296
39	10.3	9.93	3.9456	0	-0.0189	3.9268	0.4694	0	0.0603	0.5296
40	10	10	3.9452	0	-0.0189	3.9263	0.4765	0	0.0463	0.5227
41	9.96	10.1	3.9448	0	-0.0189	3.9259	0.4748	0	0.0237	0.4985
42	10.6	10.2	3.9442	0	-0.019	3.9252	0.4743	0	0.0233	0.4976
43	10.8	10.2	3.9435	0	-0.0181	3.9254	0.4797	0	0.0019	0.4815
44	10.7	10.2	3.9429	0	-0.0173	3.9256	0.4908	0	-0.0057	0.4851
45	10.3	10.3	3.9424	0	-0.0165	3.9259	0.4982	0	-0.0029	0.4953
46	10.2	10.3	3.9418	0	-0.0161	3.9257	0.4958	0	-0.0044	0.4914
47	10.7	10.3	3.941	0	-0.0173	3.9237	0.4918	0	-0.0028	0.489
48	10.3	10.3	3.9401	0	-0.0184	3.9218	0.4927	0	0.0104	0.5031
49	10.7	10.3	3.9392	0	-0.0188	3.9203	0.493	0	0.0222	0.5152
50	10.7	10.3	3.939	0	-0.0184	3.9205	0.4947	0	0.0261	0.5208
51	9.97	10.3	3.9385	0	-0.0177	3.9208	0.4885	0	-0.0027	0.4858
52	10.1	10.3	3.9379	0	-0.0175	3.9203	0.4931	0	-0.0205	0.4726
53	9.82	10.4	3.9372	0	-0.0182	3.919	0.488	0	-0.0379	0.4501
54	9.75	10.4	3.9369	0	-0.0163	3.9206	0.4841	0	-0.0606	0.4236
55	10.2	10.4	3.9363	0	-0.015	3.9213	0.4907	0	-0.0319	0.4589
56	10.5	10.5	3.9352	0	-0.0137	3.9216	0.4949	0	-0.0251	0.4697
57	10.4	10.5	3.934	0	-0.0129	3.9211	0.4987	0	-0.035	0.4637
58	10.1	10.5	3.9328	0	-0.0134	3.9194	0.4974	0	-0.0235	0.4739
59	9.97	10.5	3.9317	0	-0.0136	3.9181	0.4964	0	-0.0059	0.4904
60	10.3	10.5	3.9307	0	-0.0133	3.9174	0.5012	0	-0.0068	0.4944
61	11.2	10.6	3.9301	0	-0.0163	3.9138	0.5051	0	-0.014	0.4911
62	11.5	10.6	3.9293	0	-0.0156	3.9136	0.5106	0	-0.0268	0.4838
63	11.1	10.7	3.9288	0	-0.0158	3.913	0.5183	0	-0.0072	0.5111
64	10.7	10.8	3.9277	0	-0.0162	3.9115	0.5248	0	0.0091	0.5339
65	11.4	10.9	3.9265	0	-0.0166	3.9098	0.5296	0	-0.0007	0.5289

66	10.8	10.9	3.9259	0	-0.0167	3.9092	0.5343	0	-0.0488	0.4854
67	10.5	11	3.9251	0	-0.0174	3.9077	0.5398	0	-0.0509	0.4889
68	10.9	11.1	3.9243	0	-0.0166	3.9077	0.5425	0	-0.0373	0.5053
69	10.8	11.1	3.9246	0	-0.0151	3.9096	0.5456	0	-0.0347	0.5109
70	11	11.2	3.9253	0	-0.0139	3.9114	0.5544	0	-0.043	0.5113
71	11.4	11.2	3.9256	0	-0.013	3.9126	0.564	0	-0.0536	0.5104
72	11.4	11.3	3.9254	0	-0.0124	3.913	0.5727	0	-0.0468	0.5259
73	11.6	11.3	3.9247	0	-0.0128	3.9119	0.5781	0	-0.0318	0.5463
74	11.3	11.3	3.9238	0	-0.0139	3.9099	0.5784	0	-0.0192	0.5592
75	11.2	11.3	3.9228	0	-0.0152	3.9076	0.5787	0	-0.0173	0.5614
76	11.1	11.3	3.9214	0	-0.0151	3.9063	0.5795	0	-0.0291	0.5504
77	12	11.3	3.9209	0	-0.0139	3.9071	0.5761	0	-0.0271	0.549
78	11.6	11.2	3.9208	0	-0.0152	3.9056	0.577	0	-0.0113	0.5657
79	11.6	11.2	3.9207	0	-0.0156	3.9051	0.5729	0	-0.0129	0.5601
80	11.8	11.2	3.9207	0	-0.0164	3.9043	0.5777	0	0.0116	0.5892
81	11.9	11.1	3.9206	0	-0.0166	3.904	0.581	0	0.0181	0.5991
82	11.6	11.1	3.9202	0	-0.0166	3.9036	0.5833	0	0.0274	0.6107
83	11	11.1	3.9198	0	-0.0157	3.904	0.5852	0	0.0406	0.6258
84	10.7	11.1	3.9194	0	-0.0143	3.905	0.5822	0	0.0432	0.6254
85	10.7	11	3.9187	0	-0.0142	3.9045	0.5803	0	0.0287	0.609
86	10.6	11	3.9176	0	-0.0152	3.9023	0.5847	0	0.0142	0.5989
87	10	11	3.9166	0	-0.0149	3.9016	0.5874	0	0.0204	0.6078
88	10.6	10.9	3.9162	0	-0.0151	3.9011	0.5917	0	0.0214	0.6131
89	10.4	10.9	3.9151	0	-0.0139	3.9012	0.5967	0	0.0217	0.6184
90	10.7	10.9	3.9147	0	-0.0119	3.9029	0.5967	0	0.0329	0.6296
91	10.8	10.9	3.9143	0	-0.0118	3.9025	0.5967	0	0.0255	0.6222
92	10.8	10.9	3.9133	0	-0.0099	3.9035	0.6001	0	0.0428	0.6429
93	11	11	3.9118	0	-0.0092	3.9026	0.5978	0	0.0349	0.6326
94	11	11	3.9106	0	-0.0094	3.9012	0.5926	0	0.0205	0.6131
95	10.9	11	3.9103	0	-0.0093	3.9011	0.5912	0	0.0308	0.6219
96	10.8	11	3.9102	0	-0.0094	3.9008	0.5928	0	0.0528	0.6456
97	10.9	11.1	3.9097	0	-0.0107	3.8989	0.5938	0	0.0669	0.6608
98	11.6	11.1	3.9091	0	-0.0119	3.8972	0.593	0	0.0578	0.6509
99	11.4	11.2	3.9085	0	-0.0123	3.8962	0.5911	0	0.0382	0.6293
100	11.5	11.2	3.9083	0	-0.0107	3.8975	0.5889	0	0.0244	0.6132
101	11.8	11.2	3.9075	0	-0.0127	3.8949	0.5917	0	0.036	0.6277
102	12.2	11.2	3.9073	0	-0.0121	3.8953	0.5936	0	0.0359	0.6295

103	10.9	11.2	3.907	0	-0.0136	3.8934	0.5926	0	0.0486	0.6412
104	10.9	11.2	3.9061	0	-0.0168	3.8892	0.5908	0	0.0673	0.6581
105	11	11.2	3.9052	0	-0.0169	3.8882	0.5936	0	0.0937	0.6873
106	11	11.2	3.9045	0	-0.0159	3.8887	0.5931	0	0.113	0.7061
107	11.7	11.2	3.9044	0	-0.0168	3.8875	0.5871	0	0.1415	0.7287
108	11.3	11.2	3.9041	0	-0.0188	3.8853	0.5805	0	0.152	0.7325
109	10.6	11.2	3.9037	0	-0.0194	3.8842	0.5757	0	0.1302	0.7059
110	10.9	11.2	3.9036	0	-0.0186	3.885	0.5722	0	0.1078	0.68
111	10.8	11.2	3.9034	0	-0.0178	3.8856	0.5679	0	0.1001	0.668
112	11.2	11.1	3.9029	0	-0.0192	3.8837	0.5656	0	0.0726	0.6382
113	10.5	11.1	3.9022	0	-0.0208	3.8814	0.5614	0	0.0942	0.6556
114	11	11.1	3.9015	0	-0.0199	3.8816	0.5618	0	0.0733	0.6351
115	11.6	11.2	3.9007	0	-0.0169	3.8839	0.5617	0	0.0742	0.6359
116	11.2	11.2	3.8998	0	-0.0157	3.8841	0.5587	0	0.0706	0.6293
117	11.7	11.2	3.8994	0	-0.017	3.8824	0.5622	0	0.0643	0.6265
118	11.3	11.1	3.8989	0	-0.0169	3.882	0.5697	0	0.0449	0.6147
119	11.1	11.2	3.8979	0	-0.016	3.8819	0.5669	0	0.0456	0.6125
120	10.9	11.2	3.897	0	-0.0152	3.8819	0.573	0	0.054	0.627
121	10.9	11.2	3.8962	0	-0.0155	3.8807	0.5875	0	0.0716	0.6591
122	11.1	11.2	3.8954	0	-0.017	3.8783	0.6014	0	0.0751	0.6765
123	11.5	11.2	3.8949	0	-0.0187	3.8762	0.6106	0	0.0502	0.6609
124	11.6	11.2	3.8946	0	-0.0193	3.8753	0.6121	0	0.0409	0.653
125	11.2	11.2	3.8942	0	-0.0185	3.8757	0.6088	0	0.0287	0.6375
126	11.6	11.2	3.8938	0	-0.0191	3.8748	0.6027	0	0.0144	0.6171
127	10.7	11.2	3.893	0	-0.0198	3.8732	0.5945	0	0.0372	0.6317
128	11.5	11.1	3.8929	0	-0.0189	3.874	0.5938	0	0.0469	0.6406
129	11.2	11.2	3.892	0	-0.0191	3.8729	0.6003	0	0.0285	0.6288
130	10.8	11.2	3.8913	0	-0.0196	3.8717	0.6076	0	0.0198	0.6274
131	10.8	11.2	3.8905	0	-0.0205	3.87	0.6157	0	-0.0042	0.6114
132	10.7	11.3	3.8897	0	-0.0212	3.8684	0.6232	0	0.0028	0.626
133	10.9	11.3	3.8891	0	-0.0217	3.8675	0.6298	0	0.023	0.6528
134	11.4	11.2	3.8886	0	-0.0216	3.8671	0.636	0	0.0427	0.6787
135	11.5	11.2	3.8881	0	-0.0215	3.8666	0.6407	0	0.0694	0.7101
136	11.2	11.2	3.8878	0	-0.0218	3.8661	0.6434	0	0.0853	0.7287
137	11.1	11.3	3.8872	0	-0.0215	3.8657	0.6456	0	0.0864	0.7321
138	11.3	11.2	3.8864	0	-0.0218	3.8647	0.6504	0	0.0949	0.7454
139	12.1	11.2	3.886	0	-0.0222	3.8638	0.6629	0	0.1163	0.7792

140	11.4	11.2	3.8855	0	-0.0214	3.8641	0.6681	0	0.1147	0.7828
141	11.6	11.3	3.8848	0	-0.0232	3.8616	0.6744	0	0.1364	0.8108
142	11.6	11.4	3.8844	0	-0.0225	3.8619	0.6839	0	0.1369	0.8208
143	11	11.4	3.8842	0	-0.0202	3.8641	0.683	0	0.1533	0.8362
144	11	11.4	3.8838	0	-0.0204	3.8634	0.677	0	0.1594	0.8364
145	11.4	11.3	3.8832	0	-0.0218	3.8614	0.6747	0	0.1601	0.8348
146	11.3	11.3	3.8824	0	-0.0228	3.8596	0.6814	0	0.1727	0.854
147	10.9	11.4	3.8817	0	-0.0231	3.8587	0.6909	0	0.1778	0.8687
148	11	11.4	3.881	0	-0.0222	3.8588	0.6933	0	0.1478	0.8411
149	11.4	11.3	3.8803	0	-0.0213	3.859	0.6995	0	0.1303	0.8298
150	11.8	11.4	3.8798	0	-0.022	3.8577	0.7057	0	0.1322	0.8379
151	12.1	11.4	3.8791	0	-0.0213	3.8578	0.7155	0	0.1398	0.8552
152	11.3	11.4	3.8786	0	-0.0224	3.8562	0.7228	0	0.1387	0.8616
153	11.1	11.4	3.8781	0	-0.025	3.8532	0.7358	0	0.1148	0.8507
154	11	11.5	3.8775	0	-0.0256	3.8519	0.7514	0	0.0955	0.8469
155	11.1	11.6	3.877	0	-0.0263	3.8507	0.7585	0	0.0393	0.7978
156	11.5	11.6	3.8765	0	-0.0278	3.8487	0.7595	0	-0.005	0.7545
157	11.6	11.6	3.8759	0	-0.0281	3.8478	0.7609	0	-0.0016	0.7594
158	11.4	11.7	3.8752	0	-0.0264	3.8488	0.7684	0	-0.0001	0.7683
159	11.5	11.7	3.8745	0	-0.0244	3.8501	0.776	0	-0.0167	0.7593
160	11.8	11.8	3.8739	0	-0.0233	3.8506	0.7829	0	-0.0045	0.7784
161	12	11.8	3.8735	0	-0.0235	3.85	0.7946	0	0.0355	0.8301
162	12.2	11.8	3.8731	0	-0.025	3.8481	0.8105	0	0.0699	0.8805
163	12.4	11.9	3.8726	0	-0.0231	3.8495	0.8202	0	0.0763	0.8965
164	12.4	11.9	3.8715	0	-0.0236	3.8479	0.8249	0	0.086	0.9109
165	11.9	12	3.8706	0	-0.0237	3.8469	0.8257	0	0.0985	0.9242
166	11.5	12.1	3.8697	0	-0.0231	3.8466	0.8267	0	0.1278	0.9545
167	12	12.1	3.8681	0	-0.0219	3.8462	0.8314	0	0.1492	0.9806
168	12.6	12.1	3.8676	0	-0.0211	3.8465	0.8421	0	0.165	1.0071
169	12.4	12.1	3.8673	0	-0.0205	3.8469	0.8482	0	0.1795	1.0277
170	12.1	12.1	3.8665	0	-0.0211	3.8455	0.8516	0	0.1908	1.0424
171	12.3	12.2	3.8654	0	-0.0205	3.8449	0.8559	0	0.1962	1.0521
172	12.3	12.2	3.8644	0	-0.0175	3.8469	0.8573	0	0.1975	1.0549
173	12	12.2	3.8635	0	-0.0169	3.8466	0.8653	0	0.2189	1.0842
174	12.3	12.2	3.8629	0	-0.0168	3.8462	0.8806	0	0.2013	1.0819
175	12.4	12.3	3.8626	0	-0.0166	3.8459	0.89	0	0.1811	1.0711
176	11.8	12.3	3.8619	0	-0.0188	3.8432	0.9039	0	0.1744	1.0783

177	11.7	12.4	3.8615	0	-0.0185	3.843	0.9209	0	0.1585	1.0794
178	12.1	12.5	3.8608	0	-0.018	3.8428	0.9337	0	0.1435	1.0773
179	12.2	12.5	3.86	0	-0.0176	3.8423	0.9614	0	0.1056	1.067
180	12.7	12.6	3.8591	0	-0.016	3.8431	0.9668	0	0.0746	1.0414
181	12.5	12.6	3.8583	0	-0.0169	3.8414	0.9759	0	0.0548	1.0307
182	12.2	12.7	3.8572	0	-0.0189	3.8383	0.9909	0	0.0324	1.0234
183	12.8	12.8	3.8562	0	-0.02	3.8362	1.0054	0	0.0036	1.009
184	13.3	12.8	3.8553	0	-0.0213	3.834	1.0208	0	-0.0285	0.9924
185	12.9	12.9	3.8543	0	-0.0227	3.8316	1.0352	0	-0.0424	0.9929
186	13.4	13	3.853	0	-0.0239	3.8291	1.0504	0	-0.0382	1.0122
187	13.3	13.1	3.8515	0	-0.0244	3.8271	1.0706	0	-0.0435	1.0271
188	13.8	13.3	3.8499	0	-0.0267	3.8232	1.0935	0	-0.065	1.0285
189	13.4	13.4	3.8482	0	-0.0253	3.8229	1.1045	0	-0.0404	1.0641
190	13.1	13.5	3.8473	0	-0.0255	3.8218	1.1215	0	-0.0185	1.103
191	13.1	13.6	3.8459	0	-0.0255	3.8204	1.145	0	-0.0018	1.1432
192	13.4	13.7	3.845	0	-0.0252	3.8198	1.1697	0	-0.0304	1.1393
193	13.5	13.8	3.8441	0	-0.0251	3.819	1.1859	0	-0.0531	1.1328
194	13.5	13.9	3.8431	0	-0.0254	3.8177	1.2059	0	-0.0535	1.1524
195	13.8	14	3.8422	0	-0.0265	3.8157	1.2267	0	-0.061	1.1656
196	14.5	14	3.8411	0	-0.0272	3.8139	1.2408	0	-0.0743	1.1665
197	14.8	14.1	3.8403	0	-0.0255	3.8148	1.258	0	-0.0847	1.1733
198	14.3	14.2	3.8392	0	-0.0249	3.8143	1.2766	0	-0.0735	1.2031
199	14.7	14.3	3.8379	0	-0.0255	3.8124	1.29	0	-0.041	1.249
200	14.5	14.4	3.8367	0	-0.0247	3.812	1.3106	0	-0.0356	1.275
201	14.3	14.5	3.8352	0	-0.0265	3.8087	1.3237	0	-0.0532	1.2705
202	14.1	14.6	3.8337	0	-0.0235	3.8102	1.338	0	-0.0624	1.2757
203	14.9	14.7	3.8318	0	-0.0232	3.8087	1.3576	0	-0.0637	1.2939
204	14.7	14.8	3.8302	0	-0.0207	3.8095	1.3767	0	-0.0815	1.2952
205	14.6	15	3.8292	0	-0.0164	3.8128	1.3929	0	-0.0669	1.3259
206	15.4	15.1	3.8284	0	-0.0157	3.8127	1.4119	0	-0.0769	1.3351
207	15.5	15.1	3.8275	0	-0.0168	3.8107	1.4319	0	-0.1195	1.3123
208	15.2	15.2	3.8265	0	-0.0171	3.8094	1.4464	0	-0.1258	1.3206
209	15.6	15.3	3.8254	0	-0.019	3.8064	1.4601	0	-0.0958	1.3644
210	15	15.4	3.8241	0	-0.0222	3.8019	1.473	0	-0.0715	1.4015
211	15	15.5	3.8223	0	-0.0248	3.7976	1.4865	0	-0.0661	1.4204
212	15.2	15.6	3.8209	0	-0.0268	3.794	1.503	0	-0.0813	1.4217
213	15.8	15.7	3.8197	0	-0.0294	3.7903	1.5184	0	-0.0717	1.4467

214	16.6	15.7	3.8189	0	-0.0298	3.7891	1.5341	0	-0.0743	1.4598
215	15.7	15.7	3.8181	0	-0.0296	3.7884	1.5441	0	-0.0884	1.4557
216	15.7	15.7	3.8167	0	-0.0307	3.786	1.556	0	-0.0773	1.4787
217	15.6	15.8	3.8152	0	-0.0335	3.7816	1.5677	0	-0.048	1.5197
218	16.3	15.9	3.814	0	-0.0348	3.7792	1.5688	0	-0.0079	1.5609
219	16.9	16	3.8128	0	-0.0351	3.7776	1.5854	0	0.0281	1.6135
220	16.7	16.1	3.8115	0	-0.0348	3.7766	1.612	0	0.0512	1.6632
221	16	16.2	3.8104	0	-0.0352	3.7752	1.6261	0	0.0426	1.6686
222	15.8	16.3	3.8088	0	-0.0389	3.7699	1.6407	0	0.0498	1.6904
223	15.4	16.4	3.8068	0	-0.0388	3.768	1.6527	0	0.0853	1.738
224	15.3	16.5	3.8056	0	-0.0374	3.7682	1.6655	0	0.0884	1.7539
225	15.8	16.6	3.8038	0	-0.0359	3.7679	1.6854	0	0.0988	1.7842
226	16.8	16.7	3.8017	0	-0.0349	3.7668	1.7097	0	0.1157	1.8254
227	17	16.9	3.7996	0	-0.0341	3.7655	1.7244	0	0.019	1.7434
228	17.2	17.1	3.7968	0	-0.0294	3.7673	1.7401	0	-0.01	1.7301
229	17.6	17.3	3.7954	0	-0.0266	3.7688	1.7537	0	-0.0446	1.7091
230	17.1	17.4	3.7937	0	-0.0251	3.7686	1.776	0	-0.0544	1.7216
231	17.3	17.7	3.7914	0	-0.0237	3.7677	1.7954	0	0.0035	1.7989
232	17.7	18	3.7891	0	-0.0216	3.7675	1.8056	0	-0.0286	1.777
233	17.6	18.3	3.7871	0	-0.0188	3.7682	1.825	0	-0.1681	1.6568
234	17.9	18.7	3.7851	0	-0.0173	3.7678	1.8401	0	-0.2127	1.6274
235	18.1	19.1	3.7831	0	-0.0177	3.7654	1.8641	0	-0.1582	1.7059
236	19.3	19.5	3.7808	0	-0.0174	3.7634	1.8705	0	-0.2133	1.6572
237	19.9	19.8	3.7779	0	-0.015	3.7629	1.8919	0	-0.2249	1.667
238	19.6	20.1	3.776	0	-0.0177	3.7583	1.9026	0	-0.216	1.6866
239	19.5	20.4	3.7738	0	-0.0203	3.7535	1.9177	0	-0.2265	1.6912
240	21.2	20.8	3.771	0	-0.0212	3.7498	1.9287	0	-0.2044	1.7243
241	21.3	21.1	3.7678	0	-0.0201	3.7477	1.9436	0	-0.1882	1.7554
242	21.8	21.5	3.7658	0	-0.0171	3.7487	1.959	0	-0.1866	1.7724
243	23	21.8	3.7636	0	-0.0148	3.7488	1.9784	0	-0.189	1.7895
244	23.5	22.1	3.7612	0	-0.0143	3.7468	1.9927	0	-0.1842	1.8085
245	23.2	22.5	3.7591	0	-0.0143	3.7447	2.0092	0	-0.1968	1.8124
246	23	22.9	3.7566	0	-0.0143	3.7423	2.0228	0	-0.206	1.8169
247	22.9	23.2	3.7541	0	-0.0157	3.7384	2.04	0	-0.2269	1.8131
248	23.9	23.5	3.752	0	-0.0181	3.7339	2.0577	0	-0.2178	1.8399
249	24.5	23.8	3.7492	0	-0.0177	3.7315	2.0817	0	-0.2075	1.8742
250	23.9	24	3.7474	0	-0.0167	3.7307	2.0942	0	-0.2168	1.8775

251	23.7	24.2	3.7453	0	-0.0151	3.7303	2.1213	0	-0.2083	1.913
252	23.7	24.3	3.7429	0	-0.016	3.7268	2.1263	0	-0.2185	1.9077
253	24.4	24.4	3.7405	0	-0.0168	3.7236	2.1373	0	-0.1986	1.9387
254	26.1	24.6	3.7382	0	-0.0189	3.7193	2.143	0	-0.1633	1.9797
255	26.2	24.7	3.7358	0	-0.0186	3.7172	2.1515	0	-0.0978	2.0538
256	25.1	24.8	3.7334	0	-0.0159	3.7175	2.1699	0	-0.0439	2.126
257	24.9	24.9	3.7313	0	-0.0155	3.7158	2.1899	0	-0.0362	2.1537
258	25.3	25	3.7292	0	-0.0168	3.7124	2.2118	0	-0.0558	2.156
259	25.3	25	3.7272	0	-0.0172	3.7099	2.2311	0	-0.0663	2.1648
260	24.6	25.2	3.7252	0	-0.0167	3.7085	2.2428	0	-0.0615	2.1812
261	25.4	25.3	3.7232	0	-0.0154	3.7078	2.2606	0	-0.1102	2.1504
262	24.4	25.5	3.7213	0	-0.0179	3.7034	2.2807	0	-0.0919	2.1888
263	26.1	25.6	3.7192	0	-0.0157	3.7035	2.2886	0	-0.1317	2.1569
264	25.7	25.7	3.7171	0	-0.0148	3.7023	2.2983	0	-0.1364	2.1619
265	25	25.7	3.715	0	-0.016	3.6991	2.3119	0	-0.1266	2.1852
266	25	25.8	3.7129	0	-0.0183	3.6946	2.3235	0	-0.0946	2.2289
267	24.9	25.9	3.7112	0	-0.0211	3.6901	2.3322	0	-0.075	2.2571
268	25.5	26	3.7091	0	-0.0239	3.6851	2.3403	0	-0.0985	2.2418
269	26.8	26	3.7061	0	-0.0256	3.6805	2.3509	0	-0.101	2.2499
270	26.7	26.1	3.7039	0	-0.0253	3.6786	2.3693	0	-0.0915	2.2777
271	26.2	26.1	3.7014	0	-0.0255	3.6759	2.3929	0	-0.1187	2.2741
272	27.3	26.1	3.6991	0	-0.026	3.6731	2.4107	0	-0.128	2.2827
273	28.1	26.1	3.6969	0	-0.0257	3.6712	2.4483	0	-0.2451	2.2032
274	26	26.1	3.6944	0	-0.0266	3.6678	2.4632	0	-0.2267	2.2366
275	26.4	26.2	3.6916	0	-0.0282	3.6634	2.4802	0	-0.2161	2.2642
276	26.8	26.3	3.6895	0	-0.0207	3.6688	2.4955	0	-0.2221	2.2734
277	27	26.5	3.6875	0	-0.0175	3.67	2.5144	0	-0.2231	2.2913
278	26.8	26.7	3.6854	0	-0.0136	3.6719	2.5273	0	-0.231	2.2963
279	25.9	26.8	3.6824	0	-0.0122	3.6702	2.527	0	-0.211	2.316
280	24.7	26.8	3.6796	0	-0.0163	3.6633	2.5473	0	-0.1895	2.3578
281	24.7	26.8	3.6777	0	-0.014	3.6637	2.568	0	-0.1579	2.41
282	26.2	26.9	3.6747	0	-0.002	3.6727	2.5718	0	-0.1428	2.429
283	25.9	26.9	3.6721	0	0.0013	3.6734	2.5822	0	-0.1107	2.4716
284	26.1	27.1	3.6689	0	-0.0054	3.6635	2.6104	0	-0.0908	2.5197
285	28.5	27.3	3.6673	0	-0.0014	3.6659	2.6209	0	-0.0626	2.5583
286	27.6	27.4	3.6638	0	-0.0014	3.6624	2.6333	0	-0.0762	2.5571
287	29.2	27.6	3.6613	0	-0.0028	3.6584	2.6517	0	-0.0571	2.5946

288	28.4	27.7	3.6581	0	-0.004	3.6541	2.6613	0	-0.0095	2.6518
289	27.4	27.9	3.6554	0	-0.0049	3.6505	2.6801	0	-0.0178	2.6623
290	27	28.1	3.6529	0	-0.0067	3.6463	2.6878	0	-0.0268	2.661
291	27.5	28.4	3.65	0	-0.0069	3.6431	2.6872	0	-0.0349	2.6522
292	29	28.6	3.6472	0	-0.0063	3.6409	2.6872	0	-0.0148	2.6724
293	30	28.8	3.6448	0	-0.0067	3.6382	2.7005	0	0.0337	2.7342
294	29.6	29	3.6422	0	-0.0057	3.6365	2.7129	0	0.0618	2.7747
295	29.8	29.1	3.6399	0	-0.0059	3.634	2.724	0	0.0734	2.7973
296	29.3	29.3	3.6371	0	-0.0045	3.6326	2.7322	0	0.0961	2.8283
297	29.7	29.4	3.6345	0	-0.0037	3.6308	2.7484	0	0.0856	2.8341
298	29.5	29.6	3.631	0	-0.0042	3.6268	2.7551	0	0.0633	2.8183
299	28.4	29.9	3.6285	0	-0.0039	3.6246	2.7702	0	0.0392	2.8094
300	29.7	30.1	3.6246	0	-0.0039	3.6207	2.785	0	-0.3425	2.4425
301	30.8	30.4	3.6226	0	-0.0047	3.6179	2.7963	0	-0.2614	2.5349
302	30.3	30.6	3.62	0	-0.0037	3.6163	2.8129	0	-0.1764	2.6366
303	29.9	30.7	3.6175	0	-0.0068	3.6107	2.8214	0	-0.1903	2.6311
304	30	30.7	3.6151	0	-0.011	3.6041	2.8306	0	-0.1926	2.6381
305	30.8	30.9	3.6122	0	-0.012	3.6002	2.8481	0	-0.1848	2.6633
306	32.2	31	3.6094	0	-0.0121	3.5974	2.8594	0	-0.1478	2.7117
307	32.1	31.2	3.6063	0	-0.0112	3.5951	2.8648	0	-0.1065	2.7583
308	31.9	31.4	3.6034	0	-0.0105	3.5929	2.8788	0	-0.0534	2.8253
309	31.6	31.5	3.6011	0	-0.0128	3.5883	2.8982	0	-0.0931	2.8052
310	32.6	31.6	3.598	0	-0.0111	3.5869	2.9157	0	-0.0877	2.8281
311	32.6	31.6	3.5942	0	-0.0156	3.5787	2.9272	0	-0.1188	2.8084
312	31.7	31.7	3.592	0	-0.0136	3.5783	2.9366	0	-0.0718	2.8647
313	30.8	31.8	3.5899	0	-0.0158	3.5741	2.9601	0	-0.0355	2.9246
314	32.3	31.8	3.5877	0	-0.0171	3.5706	2.9835	0	-0.0056	2.9779
315	32.1	31.8	3.5857	0	-0.0202	3.5655	2.9946	0	-0.0077	2.9868
316	32.6	31.8	3.5835	0	-0.0232	3.5603	3.0021	0	-0.0212	2.9809
317	33.4	31.7	3.5811	0	-0.0237	3.5575	3.0172	0	-0.0428	2.9744
318	31.9	31.6	3.579	0	-0.0247	3.5542	3.0393	0	-0.0751	2.9642
319	31.6	31.6	3.5758	0	-0.026	3.5499	3.0509	0	-0.1087	2.9422
320	30.5	31.6	3.5722	0	-0.0229	3.5492	3.0643	0	-0.1403	2.924
321	32	31.5	3.5694	0	-0.0224	3.5469	3.0787	0	-0.1647	2.914
322	31.2	31.6	3.564	0	-0.0144	3.5496	3.0869	0	-0.1542	2.9327
323	30.8	31.6	3.5605	0	-0.0161	3.5444	3.1045	0	-0.1644	2.9401
324	30.5	31.6	3.5576	0	-0.0158	3.5418	3.1219	0	-0.1933	2.9287

325	31	31.7	3.5543	0	-0.0137	3.5406	3.1356	0	-0.2846	2.851
326	30.2	31.8	3.5503	0	-0.0126	3.5377	3.1504	0	-0.355	2.7954
327	31.5	31.8	3.5469	0	-0.011	3.5358	3.1717	0	-0.2856	2.8861
328	31.8	32	3.5441	0	-0.0083	3.5357	3.1871	0	-0.2596	2.9275
329	31	32.3	3.5406	0	-0.0076	3.533	3.1995	0	-0.2523	2.9472
330	32.3	32.6	3.5369	0	-0.0093	3.5276	3.2115	0	-0.2684	2.9431
331	32.6	32.8	3.5342	0	-0.0094	3.5248	3.2234	0	-0.3362	2.8872
332	31.7	33.1	3.5309	0	-0.0105	3.5204	3.2397	0	-0.3414	2.8983
333	32.1	33.4	3.526	0	-0.0097	3.5163	3.25	0	-0.231	3.019
334	33.3	33.7	3.523	0	-0.0111	3.5119	3.2625	0	-0.1973	3.0651
335	34.7	34	3.5198	0	-0.0101	3.5097	3.2621	0	-0.2613	3.0009
336	34.2	34.5	3.5156	0	-0.0117	3.5039	3.2864	0	-0.2253	3.0611
337	35.2	34.9	3.5117	0	-0.014	3.4977	3.2931	0	-0.2195	3.0736
338	37	35.3	3.508	0	-0.0159	3.492	3.3066	0	-0.2171	3.0895
339	36	35.8	3.505	0	-0.0176	3.4874	3.324	0	-0.2342	3.0898
340	36	36.3	3.5023	0	-0.0178	3.4845	3.3471	0	-0.2535	3.0936
341	36.9	36.6	3.4991	0	-0.0187	3.4804	3.3577	0	-0.2567	3.101
342	36.8	37	3.4957	0	-0.0205	3.4752	3.3616	0	-0.2443	3.1172
343	36.3	37.5	3.4924	0	-0.021	3.4714	3.3735	0	-0.2125	3.161
344	36.7	37.9	3.4888	0	-0.0217	3.4671	3.394	0	-0.1678	3.2262
345	39.3	38.2	3.4859	0	-0.024	3.4619	3.3999	0	-0.1363	3.2636
346	38.5	38.6	3.4818	0	-0.0229	3.4589	3.4046	0	-0.0847	3.3198
347	40.8	38.9	3.4786	0	-0.022	3.4565	3.4098	0	-0.1274	3.2824
348	40.6	39.2	3.475	0	-0.022	3.453	3.4665	0	-0.1482	3.3183
349	40.6	39.4	3.4707	0	0.0165	3.4873	3.4897	0	-0.0742	3.4155
350	38.8	39.7	3.4678	0	0.0094	3.4772	3.4796	0	-0.0586	3.421
351	39.6	40.1	3.4641	0	0.0026	3.4666	3.4365	0	-0.085	3.3515
352	41	40.5	3.4607	0	0.003	3.4637	3.4101	0	-0.0718	3.3383
353	41	40.8	3.4574	0	0.0024	3.4598	3.3763	0	-0.0427	3.3336
354	41.3	41.1	3.4534	0	-0.0005	3.453	3.3557	0	-0.1036	3.2521
355	41.9	41.2	3.4498	0	-0.0038	3.446	3.3565	0	-0.2216	3.1349
356	40.7	41.4	3.4469	0	-0.0052	3.4417	3.3123	0	-0.1933	3.1191
357	41.8	41.3	3.4434	0	-0.0102	3.4332	3.2835	0	-0.1623	3.1212
358	40.9	41.3	3.4394	0	-0.0075	3.4318	3.3255	0	-0.1557	3.1698
359	41.8	41.3	3.4356	0	-0.0085	3.4271	3.307	0	-0.128	3.179
360	44	41.3	3.4325	0	-0.0048	3.4277	3.3126	0	-0.1509	3.1617
361	43.4	41.4	3.4295	0	-0.0082	3.4213	3.3213	0	-0.1244	3.1969

362	42.2	41.4	3.4253	0	-0.0143	3.411	3.2884	0	-0.1722	3.1161
363	41.9	41.4	3.4209	0	-0.0151	3.4057	3.2673	0	-0.1639	3.1034
364	42.2	41.4	3.4176	0	-0.014	3.4037	3.2723	0	-0.2082	3.064
365	41.6	41.4	3.4148	0	-0.0138	3.401	3.2851	0	-0.2557	3.0294
366	40.2	41.4	3.4112	0	-0.014	3.3972	3.3077	0	-0.2596	3.048
367	39.9	41.4	3.4073	0	-0.0136	3.3937	3.2928	0	-0.2541	3.0387
368	40.4	41.5	3.404	0	-0.0131	3.3909	3.3545	0	-0.2382	3.1164
369	38.7	41.5	3.3997	0	-0.0115	3.3881	3.3994	0	-0.2628	3.1367
370	40.7	41.3	3.3961	0	-0.0089	3.3872	3.3542	0	-0.2723	3.0819
371	41.7	41.1	3.3927	0	-0.0101	3.3826	3.4574	0	-0.2498	3.2077
372	40.5	41	3.3887	0	-0.0096	3.3791	3.4876	0	-0.2166	3.2711
373	41.5	40.9	3.3847	0	-0.0064	3.3783	3.4634	0	-0.1154	3.348
374	41.7	40.9	3.3808	0	0.0018	3.3827	3.4599	0	-0.1269	3.333
375	41.5	40.9	3.3765	0	0.0073	3.3839	3.4668	0	-0.1133	3.3535
376	41.7	41	3.3723	0	0.0079	3.3802	3.4757	0	-0.0855	3.3902
377	42.6	41.2	3.3688	0	0.0084	3.3772	3.4692	0	-0.0732	3.396
378	42.4	41.2	3.3655	0	0.0117	3.3771	3.4502	0	-0.0166	3.4335
379	39.4	41.4	3.3612	0	0.0147	3.3759	3.4112	0	0.0831	3.4942
380	39.4	41.6	3.3572	0	0.0173	3.3745	3.4138	0	0.0619	3.4757
381	40.2	41.7	3.3537	0	0.0201	3.3739	3.4355	0	0.0795	3.5149
382	41	41.8	3.3497	0	0.0211	3.3708	3.4514	0	0.0876	3.539
383	41.7	41.9	3.3459	0	0.021	3.3669	3.4491	0	0.0733	3.5224
384	40.9	41.9	3.3427	0	0.0207	3.3634	3.4374	0	0.0916	3.5291
385	42.7	41.9	3.3386	0	0.0212	3.3598	3.4673	0	0.0889	3.5562
386	42.9	42.1	3.3345	0	0.0206	3.3551	3.4794	0	0.0721	3.5515
387	41.4	42.2	3.3306	0	0.0189	3.3495	3.4553	0	0.0508	3.5061
388	43.1	42.3	3.3257	0	0.0194	3.3451	3.4655	0	0.0709	3.5364
389	44.6	42.6	3.3207	0	0.0205	3.3411	3.5297	0	0.0684	3.598
390	42	43	3.3172	0	0.019	3.3362	3.5778	0	0.0602	3.638
391	42.2	43.3	3.3138	0	0.0176	3.3314	3.6537	0	0.0584	3.7121
392	44.2	43.5	3.3098	0	0.015	3.3248	3.7016	0	0.0205	3.722
393	42.2	43.8	3.3054	0	0.0101	3.3155	3.7137	0	-0.073	3.6407
394	42	44.1	3.3022	0	0.0079	3.3101	3.7305	0	-0.0832	3.6473
395	45.3	44.3	3.2995	0	0.0025	3.302	3.7411	0	-0.0552	3.6859
396	44.1	44.6	3.2962	0	0.0082	3.3044	3.7456	0	-0.121	3.6246
397	44.4	44.8	3.2879	0	0.0111	3.299	3.7475	0	-0.1557	3.5918
398	45	45.1	3.282	0	0.0033	3.2853	3.7715	0	-0.1722	3.5993

399	46.6	45.2	3.2805	0	0.002	3.2825	3.7769	0	-0.1822	3.5947
400	46.2	45.5	3.2809	0	0.0046	3.2855	3.7626	0	0.2041	3.9666
401	45.1	45.6	3.2816	0	0.0025	3.2841	3.7799	0	0.1334	3.9133
402	46.6	45.7	3.2824	0	0.0006	3.283	3.7747	0	0.0599	3.8346
403	46.3	45.9	3.2819	0	0.0035	3.2855	3.812	0	0.0018	3.8138
404	47.2	46.1	3.2794	0	0.0112	3.2906	3.7552	0	0.0096	3.7648
405	48.2	46.1	3.281	0	0.0073	3.2883	3.739	0	-0.0297	3.7093
406	46.6	46.1	3.2811	0	0.0042	3.2852	3.7319	0	-0.0475	3.6844
407	48.2	46.1	3.2738	0	0.0043	3.2781	3.7187	0	-0.0003	3.7184
408	46.5	46	3.2727	0	0.0023	3.275	3.707	0	-0.0258	3.6813
409	46.7	45.9	3.2698	0	0.0022	3.2721	3.7161	0	0.0452	3.7613
410	45.3	45.8	3.2659	0	0.0013	3.2672	3.7585	0	0.0568	3.8153
411	45.9	45.7	3.2654	0	0.0017	3.2671	3.778	0	0.0791	3.8571
412	46.2	45.5	3.2653	0	0.0027	3.268	3.7501	0	0.0795	3.8295
413	44.9	45.4	3.2627	0	0.005	3.2677	3.7604	0	0.0404	3.8008
414	45.6	45.2	3.2592	0	0.0085	3.2677	3.718	0	0.0212	3.7392
415	45.3	45.1	3.255	0	0.0058	3.2607	3.7326	0	0.0684	3.801
416	43.7	45	3.2542	0	0.0022	3.2564	3.7964	0	0.0804	3.8768
417	43.1	44.9	3.2457	0	0.0001	3.2458	3.8444	0	0.0973	3.9418
418	45.3	44.9	3.239	0	0.0015	3.2405	3.9743	0	0.056	4.0303
419	44.2	44.7	3.2404	0	0.0013	3.2417	4.0646	0	0.0153	4.0799
420	42.2	44.6	3.2264	0	0.002	3.2285	4.0852	0	0.0781	4.1632
421	43.9	44.6	3.2206	0	-0.0008	3.2198	4.0717	0	0.177	4.2487
422	44.1	44.6	3.2176	0	-0.0029	3.2148	4.0191	0	0.2226	4.2417
423	43.8	44.6	3.2145	0	-0.0035	3.2111	3.958	0	0.2915	4.2495
424	44.6	44.5	3.2109	0	-0.0045	3.2064	3.9338	0	0.3747	4.3085
425	45.7	44.5	3.2067	0	-0.0052	3.2015	3.8964	0	0.5017	4.3981
426	46.6	44.6	3.2034	0	-0.0053	3.1981	3.9813	0	0.5208	4.5021
427	46	44.6	3.2019	0	-0.0094	3.1925	3.9951	0	0.5027	4.4978
428	43.7	44.6	3.203	0	-0.0166	3.1863	4.0637	0	0.4313	4.495
429	43.7	44.5	3.1993	0	-0.0138	3.1854	4.0007	0	0.5069	4.5076
430	45.6	44.5	3.1934	0	-0.0172	3.1761	3.9712	0	0.5025	4.4736
431	44.9	44.4	3.1891	0	-0.0182	3.1709	3.9758	0	0.4913	4.4671
432	44.9	44.2	3.186	0	-0.0179	3.1681	4.0633	0	0.5158	4.5791
433	45.3	44.1	3.1823	0	-0.0189	3.1634	4.0977	0	0.5555	4.6532
434	45.2	44	3.1763	0	-0.02	3.1563	4.0395	0	0.5968	4.6363
435	44.3	43.9	3.1718	0	-0.0173	3.1545	4.0213	0	0.5878	4.6091

436	44	43.7	3.1701	0	-0.0168	3.1533	4.0447	0	0.5309	4.5755
437	44.2	43.5	3.1652	0	-0.0211	3.1441	4.0429	0	0.5584	4.6013
438	43.4	43.5	3.155	0	-0.0228	3.1322	4.0431	0	0.5483	4.5914
439	42.6	43.5	3.1473	0	-0.0237	3.1236	3.9686	0	0.5924	4.561
440	41	43.4	3.1369	0	-0.0236	3.1133	4.052	0	0.5924	4.6444
441	39.9	43.4	3.1289	0	-0.0207	3.1082	4.1434	0	0.6238	4.7672
442	41.8	43.4	3.1244	0	-0.0132	3.1112	4.1333	0	0.6647	4.798
443	43.8	43.5	3.1193	0	-0.0127	3.1066	4.114	0	0.6389	4.7529
444	43.6	43.5	3.1147	0	-0.0161	3.0985	4.0711	0	0.6433	4.7143
445	42.4	43.7	3.1113	0	-0.0119	3.0994	4.052	0	0.6283	4.6803
446	42.5	44.1	3.107	0	-0.0073	3.0997	4.0423	0	0.5569	4.5992
447	43.1	44.3	3.1014	0	-0.0048	3.0966	4.008	0	0.6277	4.6356
448	43.6	44.6	3.0973	0	-0.0038	3.0935	3.9443	0	0.6103	4.5546
449	44.1	45	3.0945	0	-0.0039	3.0906	3.9313	0	0.4705	4.4018
450	44.2	45.4	3.0898	0	-0.0039	3.0859	3.9703	0	0.3261	4.2964
451	45.5	46	3.0866	0	-0.0034	3.0832	4.2351	0	0.1116	4.3467
452	46.9	46.4	3.0795	0	0.0028	3.0823	4.2766	0	-0.1228	4.1538
453	46.2	46.8	3.0819	0	0.0015	3.0834	4.2807	0	-0.1678	4.1129
454	48.2	47.2	3.0795	0	0.0025	3.082	4.2915	0	-0.1709	4.1206
455	49.9	47.7	3.0766	0	0.0009	3.0775	4.3227	0	-0.1062	4.2165
456	48.8	48.2	3.075	0	-0.0052	3.0698	4.3558	0	-0.1606	4.1952
457	49.2	48.7	3.0727	0	-0.0076	3.0651	4.3752	0	-0.1898	4.1854
458	49.4	49.1	3.0678	0	-0.0121	3.0557	4.3777	0	-0.1476	4.2301
459	49.6	49.4	3.0597	0	-0.0141	3.0456	4.4497	0	-0.1238	4.3259
460	50.1	49.7	3.0547	0	-0.0127	3.042	4.4628	0	-0.0793	4.3836
461	50.2	49.9	3.0545	0	-0.0162	3.0384	4.4245	0	0.0112	4.4357
462	51.7	50.2	3.0492	0	-0.0184	3.0309	4.5299	0	0.0412	4.5712
463	50.8	50.4	3.0491	0	-0.0173	3.0318	4.6939	0	-0.0073	4.6865
464	51.6	50.5	3.0444	0	-0.0208	3.0236	4.7456	0	-0.0121	4.7335
465	52.4	50.6	3.0352	0	-0.0219	3.0133	4.7416	0	0.0601	4.8017
466	52.6	50.7	3.0268	0	-0.0238	3.003	4.7346	0	0.0822	4.8168
467	50.8	50.9	3.0099	0	-0.0192	2.9907	4.7659	0	0.0726	4.8384
468	51	51	2.9975	0	-0.0146	2.9829	4.7374	0	0.0569	4.7943
469	49	51	2.9912	0	-0.0193	2.9718	4.7583	0	0.0596	4.8178
470	49.7	51.3	2.9889	0	-0.0266	2.9623	4.8785	0	0.0504	4.9289
471	51.4	51.6	2.9908	0	-0.0323	2.9585	4.8419	0	0.0489	4.8908
472	50.1	51.9	2.9929	0	-0.0387	2.9542	4.8645	0	-0.0193	4.8453

473	50.7	52	2.9913	0	-0.0439	2.9475	4.8698	0	0.037	4.9068
474	52	52.2	2.9912	0	-0.0483	2.9429	4.8637	0	0.0677	4.9314
475	50.8	52.3	2.9784	0	-0.0448	2.9336	4.8742	0	0.0612	4.9354
476	52.5	52.3	2.9728	0	-0.0424	2.9304	4.8913	0	0.0167	4.908
477	51	52.6	2.9625	0	-0.0347	2.9277	4.9059	0	-0.0356	4.8703
478	51.3	52.7	2.9654	0	-0.039	2.9264	4.9313	0	-0.1473	4.7839
479	54.7	53	2.9641	0	-0.0356	2.9285	4.9923	0	-0.2723	4.7201
480	57.1	53.2	2.9597	0	-0.0319	2.9278	5.0049	0	-0.2647	4.7402
481	55.6	53.3	2.9474	0	-0.0314	2.916	4.9951	0	-0.3149	4.6802
482	53.7	53.6	2.9399	0	-0.0345	2.9054	5.004	0	-0.3441	4.6599
483	54.4	53.8	2.942	0	-0.0387	2.9033	5.0172	0	-0.3511	4.6662
484	54.9	53.8	2.9406	0	-0.0381	2.9025	5.0158	0	-0.3786	4.6372
485	52.7	54	2.9342	0	-0.0319	2.9022	5.0141	0	-0.4165	4.5977
486	55.8	54.2	2.9302	0	-0.0353	2.8949	5.0432	0	-0.4223	4.6209
487	53.2	54.4	2.9263	0	-0.0359	2.8904	5.0743	0	-0.3821	4.6922
488	54.8	54.7	2.9288	0	-0.0399	2.889	5.0603	0	-0.4384	4.6219
489	54.2	54.8	2.9155	0	-0.0388	2.8767	5.0012	0	-0.4431	4.558
490	53	54.8	2.9028	0	-0.0434	2.8594	4.9818	0	-0.4732	4.5086
491	56.3	54.8	2.9005	0	-0.0489	2.8516	4.9318	0	-0.4839	4.4478
492	54.2	54.8	2.8984	0	-0.0489	2.8495	4.9059	0	-0.4562	4.4497
493	52.8	54.9	2.8983	0	-0.0542	2.8441	4.9145	0	-0.3765	4.538
494	54.5	55	2.897	0	-0.0549	2.8421	4.915	0	-0.3621	4.5529
495	55.3	55.2	2.8952	0	-0.0532	2.8421	4.9229	0	-0.3872	4.5358
496	55.4	55.3	2.8954	0	-0.0545	2.8408	4.9454	0	-0.3361	4.6093
497	56.9	55.5	2.8935	0	-0.0499	2.8435	4.9507	0	-0.3252	4.6255
498	55.9	55.7	2.8889	0	-0.0438	2.8451	4.9554	0	-0.2741	4.6813
499	57.5	56	2.8835	0	-0.0306	2.8529	4.9413	0	-0.2517	4.6896
500	54.8	56.2	2.8574	0	-0.0065	2.8509	4.9497	0	-0.1815	4.7681
501	54.9	56.3	2.8539	0	0.0148	2.8687	4.9569	0	-0.1673	4.7896
502	55.1	56.6	2.8543	0	0.0174	2.8717	4.9793	0	-0.1518	4.8275
503	56.9	56.9	2.8528	0	0.0206	2.8734	4.9655	0	-0.0858	4.8797
504	57.4	57.1	2.8471	0	0.0218	2.869	5.0305	0	-0.0938	4.9368
505	57.3	57.4	2.8454	0	0.0233	2.8688	5.0382	0	-0.0674	4.9708
506	57.6	57.9	2.8436	0	0.0231	2.8667	5.0497	0	-0.0827	4.967
507	58.9	58.2	2.836	0	0.0191	2.8551	5.0753	0	-0.1601	4.9152
508	59.3	58.5	2.8277	0	0.0147	2.8424	5.0893	0	-0.1725	4.9169
509	56.7	58.5	2.8236	0	0.0102	2.8337	5.0936	0	-0.2316	4.862

510	58.1	58.8	2.8235	0	0.0002	2.8236	5.0514	0	-0.2434	4.8081
511	59	59.1	2.8124	0	-0.0025	2.81	5.0462	0	-0.2116	4.8346
512	59.9	59.4	2.7959	0	0.0035	2.7994	5.0777	0	-0.2387	4.839
513	57	59.7	2.7881	0	0.0063	2.7944	5.0538	0	-0.2467	4.8071
514	62.7	59.9	2.785	0	0.0025	2.7875	5.1087	0	-0.1989	4.9098
515	64.5	60.3	2.7815	0	-0.0024	2.7791	5.0982	0	-0.2006	4.8977
516	63.1	60.4	2.7776	0	-0.005	2.7726	5.0354	0	-0.202	4.8334
517	60.4	60.7	2.772	0	-0.0055	2.7664	4.9894	0	-0.1955	4.7939
518	58.7	60.9	2.7632	0	-0.0044	2.7588	4.8613	0	-0.1124	4.7489
519	59.2	61.1	2.7526	0	-0.0038	2.7488	4.7806	0	-0.0804	4.7002
520	60.3	61.4	2.7422	0	-0.0028	2.7394	4.7625	0	-0.1709	4.5916
521	61.9	61.5	2.7341	0	0.0011	2.7353	4.7798	0	-0.2553	4.5246
522	62.3	61.6	2.7307	0	-0.0066	2.7241	4.823	0	-0.32	4.5029
523	61.9	61.8	2.7282	0	-0.0102	2.7179	4.8773	0	-0.4074	4.4699
524	63.8	61.7	2.7235	0	-0.0106	2.7129	4.8986	0	-0.4538	4.4449
525	60.8	61.7	2.7176	0	-0.0068	2.7107	4.9364	0	-0.5127	4.4238
526	63.7	61.8	2.7128	0	-0.0017	2.7111	4.8498	0	-0.5118	4.3381
527	62.8	61.9	2.7088	0	0.0053	2.7141	4.8206	0	-0.512	4.3086
528	61.3	62	2.7037	0	0.0106	2.7143	4.7462	0	-0.4542	4.292
529	62.4	62	2.6988	0	0.0126	2.7114	4.8161	0	-0.5075	4.3086
530	62.5	62	2.6938	0	0.0143	2.7081	4.8522	0	-0.4725	4.3797
531	61	62.1	2.6887	0	0.0162	2.7049	4.8616	0	-0.4393	4.4223
532	60.9	62.1	2.6843	0	0.0173	2.7015	4.7823	0	-0.4373	4.345
533	60.9	62.2	2.6807	0	0.019	2.6997	4.7488	0	-0.467	4.2818
534	63.9	62.4	2.6749	0	0.0217	2.6966	4.7899	0	-0.5087	4.2812
535	65.7	62.8	2.6675	0	0.0249	2.6924	4.8061	0	-0.503	4.303
536	61.9	62.7	2.6626	0	0.0214	2.6841	4.7679	0	-0.4035	4.3644
537	60.4	62.6	2.6591	0	0.0227	2.6819	4.7679	0	-0.4508	4.3171
538	60	62.5	2.6549	0	0.0215	2.6764	4.7667	0	-0.457	4.3097
539	60.6	62.5	2.6491	0	0.0237	2.6727	4.8313	0	-0.4886	4.3428
540	62.7	62.5	2.6438	0	0.0248	2.6686	4.7323	0	-0.486	4.2463
541	62	62.4	2.6384	0	0.0249	2.6633	4.6396	0	-0.5162	4.1233
542	64	62.6	2.6329	0	0.0244	2.6574	4.6528	0	-0.5224	4.1304
543	68.7	62.7	2.6278	0	0.0235	2.6513	4.6669	0	-0.502	4.1649
544	66.9	62.7	2.6224	0	0.0226	2.6449	4.7025	0	-0.5716	4.1309
545	62	62.7	2.6168	0	0.0218	2.6385	4.7038	0	-0.6074	4.0964
546	61.6	62.8	2.612	0	0.0252	2.6372	4.7087	0	-0.647	4.0617

547	60	63	2.6059	0	0.0226	2.6285	4.727	0	-0.6616	4.0654
548	62.1	63.2	2.6032	0	0.0214	2.6246	4.7446	0	-0.6282	4.1164
549	61.6	63.3	2.5995	0	0.0143	2.6138	4.7316	0	-0.5743	4.1573
550	60.1	62.9	2.5941	0	0.0128	2.6069	4.7184	0	-0.4321	4.2864
551	64	62.7	2.5887	0	0.0118	2.6004	4.4893	0	-0.174	4.3153
552	63.3	62.4	2.583	0	0.0114	2.5944	4.4842	0	0.0445	4.5287
553	63.5	61.9	2.5788	0	0.0108	2.5897	4.5276	0	0.0477	4.5754
554	65.5	61.5	2.5757	0	0.0093	2.5849	4.5482	0	0.0491	4.5973
555	65	61.3	2.5717	0	0.0092	2.5808	4.5116	0	0.0667	4.5783
556	64.1	61	2.5675	0	0.0108	2.5783	4.5116	0	0.1215	4.6331
557	62.4	60.9	2.5638	0	0.0096	2.5734	4.5139	0	0.1523	4.6662
558	62.4	60.6	2.5584	0	0.0111	2.5695	4.4538	0	0.1521	4.6059
559	55.8	60.1	2.5546	0	0.0102	2.5648	4.3917	0	0.1317	4.5234
560	57.8	59.7	2.5501	0	0.0084	2.5585	4.37	0	0.1136	4.4836
561	58.1	59.1	2.5468	0	0.0077	2.5545	4.3952	0	-0.0096	4.3856
562	60.1	58.5	2.5438	0	0.0063	2.5502	4.3052	0	-0.0878	4.2174
563	58.2	57.9	2.5382	0	0.0026	2.5408	4.1506	0	-0.0719	4.0787
564	58.2	57	2.5346	0	-0.0008	2.5338	4.0844	0	-0.048	4.0365
565	57.4	56.1	2.5316	0	-0.0017	2.5299	4.0701	0	-0.0744	3.9957
566	56.8	55.2	2.5278	0	-0.0042	2.5236	4.0504	0	-0.1367	3.9137
567	56.6	54.6	2.5237	0	-0.008	2.5158	4.0274	0	-0.1834	3.844
568	53.3	54	2.5194	0	-0.0065	2.5129	3.9903	0	-0.1838	3.8065
569	51.3	53.7	2.5149	0	-0.0023	2.5127	3.9099	0	-0.1563	3.7537
570	53.9	53.4	2.5109	0	-0.001	2.5099	3.8194	0	-0.1591	3.6603
571	51.6	53.1	2.5085	0	-0.0003	2.5082	3.7256	0	-0.1338	3.5918
572	50.7	52.7	2.5051	0	0.002	2.5072	3.6585	0	-0.0943	3.5642
573	49.5	52.4	2.5015	0	0.0015	2.503	3.6391	0	-0.1915	3.4476
574	47.7	52.1	2.4976	0	0.0029	2.5005	3.6265	0	-0.2373	3.3892
575	47	51.9	2.4934	0	0.0064	2.4998	3.5926	0	-0.2458	3.3468
576	50.6	51.7	2.4908	0	0.0088	2.4996	3.5485	0	-0.2176	3.3309
577	51.7	51.5	2.4878	0	0.0107	2.4985	3.5154	0	-0.1791	3.3364
578	50.2	51.3	2.4838	0	0.0117	2.4955	3.4904	0	-0.1225	3.3679
579	51.1	51.2	2.4789	0	0.0117	2.4905	3.4539	0	-0.0703	3.3836
580	53	50.9	2.4735	0	0.0121	2.4856	3.4147	0	-0.0495	3.3651
581	51.9	50.8	2.4692	0	0.0123	2.4814	3.378	0	-0.0178	3.3602
582	52.5	50.6	2.4651	0	0.0122	2.4773	3.3401	0	0.0264	3.3665
583	52.3	50.6	2.463	0	0.0122	2.4752	3.304	0	0.0823	3.3864

584	55.3	50.7	2.4599	0	0.0122	2.4721	3.2808	0	0.1545	3.4353
585	52.4	50.6	2.4574	0	0.0084	2.4658	3.2356	0	0.2014	3.437
586	51.7	50.4	2.4534	0	0.0098	2.4632	3.1798	0	0.229	3.4089
587	51.1	50.2	2.4496	0	0.0098	2.4594	3.145	0	0.1879	3.3329
588	48.8	50.1	2.4457	0	0.009	2.4547	3.1167	0	0.1945	3.3112
589	48.4	49.9	2.4422	0	0.0098	2.452	3.0816	0	0.1703	3.2519
590	48.6	49.6	2.4389	0	0.0082	2.4471	3.0288	0	0.1883	3.2171
591	47.8	49.3	2.4352	0	0.0033	2.4386	2.9805	0	0.2055	3.186
592	49.1	48.9	2.4317	0	0.0013	2.433	2.9357	0	0.2023	3.1381
593	49.1	48.4	2.4281	0	0.0029	2.431	2.8878	0	0.2188	3.1066
594	46.4	47.9	2.4266	0	0.0058	2.4324	2.8438	0	0.2045	3.0483
595	46.2	47.5	2.4244	0	0.0115	2.4359	2.7975	0	0.1976	2.995
596	47.7	47.1	2.4227	0	0.0116	2.4343	2.7483	0	0.1925	2.9408
597	48.2	46.8	2.419	0	0.0129	2.4319	2.7115	0	0.2217	2.9332
598	48.2	46.5	2.4157	0	0.0136	2.4294	2.6679	0	0.1701	2.8379
599	46.5	46.1	2.4116	0	0.0126	2.4242	2.6561	0	0.1282	2.7843
600	45.7	45.7	2.4085	0	0.0109	2.4194	2.6249	0	0.0402	2.6651
601	44.9	45.1	2.4055	0	0.0103	2.4158	2.5718	0	0.0175	2.5893
602	44.1	44.5	2.4016	0	0.0126	2.4141	2.5205	0	0.0043	2.5249
603	44.5	43.8	2.398	0	0.0157	2.4137	2.4689	0	-0.0067	2.4622
604	44.6	43.1	2.396	0	0.0151	2.4111	2.4313	0	-0.0225	2.4088
605	45.3	42.5	2.3943	0	0.0112	2.4054	2.408	0	-0.0529	2.3551
606	45	41.7	2.3922	0	0.0079	2.4001	2.3751	0	-0.0625	2.3126
607	43.7	40.8	2.3906	0	0.0039	2.3945	2.3398	0	-0.0931	2.2467
608	40.4	39.8	2.3885	0	0.0015	2.3901	2.3075	0	-0.108	2.1995
609	40.1	38.9	2.3866	0	-0.0012	2.3854	2.2572	0	-0.0915	2.1657
610	38.2	38	2.3839	0	0.0011	2.3851	2.2233	0	-0.1148	2.1085
611	37	37.1	2.3819	0	0.0063	2.3882	2.183	0	-0.1488	2.0341
612	34.8	36.2	2.3808	0	0.0107	2.3915	2.1559	0	-0.172	1.9839
613	33.9	35.3	2.3797	0	0.0111	2.3907	2.1337	0	-0.2041	1.9296
614	34.1	34.3	2.378	0	0.0099	2.3879	2.0825	0	-0.2415	1.8411
615	32.7	33.2	2.3765	0	0.0112	2.3877	2.0508	0	-0.2716	1.7792
616	30.9	32.1	2.3749	0	0.0133	2.3882	2.0232	0	-0.2382	1.785
617	30	31.1	2.3729	0	0.0128	2.3858	1.9915	0	-0.2378	1.7537
618	29.9	30.3	2.3722	0	0.0112	2.3834	1.9547	0	-0.2866	1.6681
619	28.2	29.4	2.3706	0	0.0121	2.3828	1.9183	0	-0.2652	1.6531
620	27.1	28.6	2.3697	0	0.0105	2.3802	1.8786	0	-0.1783	1.7002

621	27.5	27.8	2.3683	0	0.0106	2.3789	1.8413	0	-0.1343	1.7071
622	27.2	27.2	2.3668	0	0.0126	2.3793	1.8208	0	-0.131	1.6898
623	25.9	26.5	2.3655	0	0.0135	2.379	1.7927	0	-0.1285	1.6642
624	24.6	25.9	2.3642	0	0.014	2.3782	1.761	0	-0.1452	1.6158
625	24.5	25.4	2.3628	0	0.0149	2.3777	1.7255	0	-0.1271	1.5984
626	24.7	24.8	2.3613	0	0.0162	2.3774	1.6886	0	-0.0831	1.6055
627	24.1	24.3	2.3597	0	0.0176	2.3773	1.6688	0	-0.0228	1.646
628	23.5	23.9	2.3583	0	0.0176	2.3759	1.6424	0	-0.0168	1.6256
629	23.7	23.5	2.3573	0	0.0176	2.3749	1.6063	0	-0.0085	1.5978
630	21.7	23.1	2.356	0	0.0161	2.3721	1.5642	0	-0.0256	1.5386
631	22.1	22.6	2.3547	0	0.0136	2.3683	1.5135	0	-0.0223	1.4912
632	22	22.2	2.3539	0	0.009	2.3629	1.4746	0	-0.0321	1.4424
633	22.6	21.9	2.3526	0	0.0035	2.3561	1.4385	0	-0.0281	1.4104
634	21.7	21.6	2.3513	0	0.0015	2.3529	1.4197	0	-0.0074	1.4123
635	20.8	21.3	2.3495	0	0.002	2.3516	1.3938	0	0.0094	1.4032
636	20.7	20.9	2.3481	0	0.0026	2.3508	1.3761	0	-0.0195	1.3566
637	21.1	20.6	2.3475	0	0.0033	2.3508	1.3414	0	-0.0006	1.3408
638	20.8	20.4	2.3467	0	0.0045	2.3512	1.3086	0	0.0016	1.3101
639	19	20.2	2.3462	0	0.0048	2.351	1.2787	0	0.0052	1.2839
640	18.8	20.1	2.3457	0	0.0042	2.35	1.2559	0	-0.0032	1.2527
641	20	20	2.3448	0	0.0047	2.3495	1.2261	0	0.0022	1.2282
642	19.5	19.8	2.3441	0	0.0026	2.3467	1.2014	0	-0.0492	1.1522
643	19.4	19.6	2.3434	0	0.0031	2.3465	1.1687	0	-0.072	1.0968
644	17.9	19.5	2.3426	0	0.0028	2.3454	1.1337	0	-0.0601	1.0735
645	18.3	19.3	2.3419	0	0.0025	2.3444	1.1215	0	-0.0471	1.0744
646	18.7	19.2	2.3408	0	0.0031	2.3439	1.1043	0	-0.0025	1.1018
647	19.1	19.1	2.3391	0	0.0056	2.3447	1.0935	0	-0.002	1.0914
648	19.5	19	2.3376	0	0.0086	2.3461	1.0604	0	0.0218	1.0822
649	19.7	19	2.337	0	0.0103	2.3473	1.0353	0	0.0483	1.0836
650	19.7	19	2.3369	0	0.011	2.348	1.002	0	0.0397	1.0417
651	19	18.9	2.3366	0	0.0113	2.3479	0.9749	0	0.0363	1.0112
652	19.5	18.8	2.3361	0	0.0121	2.3482	0.9452	0	0.0457	0.9909
653	18.3	18.7	2.3357	0	0.0131	2.3488	0.9117	0	0.0804	0.992
654	18.4	18.7	2.3349	0	0.0145	2.3494	0.884	0	0.1539	1.0379
655	17.9	18.7	2.3341	0	0.0154	2.3496	0.8679	0	0.14	1.0079
656	19.4	18.6	2.3335	0	0.0201	2.3536	0.8573	0	0.101	0.9582
657	19	18.6	2.333	0	0.0204	2.3535	0.8437	0	0.0774	0.921

658	18.8	18.5	2.3327	0	0.0203	2.3529	0.8346	0	0.0352	0.8698
659	18.4	18.5	2.3323	0	0.0217	2.3539	0.8225	0	-0.003	0.8195
660	17.9	18.4	2.3318	0	0.0233	2.3551	0.8124	0	-0.0339	0.7785
661	18	18.3	2.3312	0	0.0249	2.3561	0.7902	0	0.0072	0.7974
662	17.6	18.2	2.3305	0	0.0267	2.3572	0.7782	0	0.027	0.8053
663	18.5	18.1	2.3299	0	0.0268	2.3567	0.7775	0	0.0459	0.8234
664	18.8	18.1	2.3295	0	0.0264	2.3559	0.7743	0	0.0278	0.8021
665	16.7	18.1	2.3293	0	0.0221	2.3514	0.7592	0	0.0253	0.7845
666	18.7	18	2.3287	0	0.0196	2.3482	0.7489	0	0.035	0.7839
667	17.9	18	2.3283	0	0.0207	2.349	0.7395	0	0.0556	0.7951
668	18.1	17.9	2.3276	0	0.02	2.3476	0.7199	0	0.0604	0.7802
669	18.1	17.8	2.3271	0	0.0156	2.3426	0.7104	0	0.0448	0.7552
670	17.7	17.8	2.3268	0	0.0124	2.3392	0.6956	0	0.0471	0.7426
671	17.3	17.7	2.3264	0	0.0128	2.3392	0.6912	0	0.0224	0.7136
672	17.4	17.7	2.3259	0	0.0149	2.3408	0.686	0	0.0133	0.6993
673	17.8	17.6	2.3254	0	0.016	2.3414	0.6789	0	0.0377	0.7166
674	17.8	17.5	2.325	0	0.0156	2.3406	0.6783	0	0.0481	0.7264
675	17.9	17.6	2.3246	0	0.0147	2.3393	0.6681	0	0.0785	0.7466
676	18.1	17.6	2.3239	0	0.0111	2.335	0.658	0	0.0863	0.7443
677	17.4	17.6	2.3236	0	0.0124	2.336	0.6493	0	0.0938	0.7431
678	17	17.6	2.3231	0	0.0126	2.3357	0.6396	0	0.1115	0.751
679	17.2	17.6	2.3224	0	0.0142	2.3367	0.6346	0	0.1331	0.7677
680	16.9	17.6	2.3222	0	0.0143	2.3365	0.6292	0	0.0936	0.7228
681	17.3	17.7	2.3217	0	0.0155	2.3372	0.6203	0	0.0261	0.6464
682	17	17.7	2.3212	0	0.015	2.3362	0.6124	0	-0.0167	0.5958
683	16.9	17.7	2.321	0	0.0129	2.3339	0.6108	0	-0.067	0.5438
684	17.7	17.6	2.3206	0	0.0113	2.3318	0.6043	0	-0.1363	0.4681
685	18.2	17.6	2.3197	0	0.0104	2.3301	0.5956	0	-0.1846	0.411
686	18.2	17.6	2.3193	0	0.0099	2.3292	0.5804	0	-0.1687	0.4117
687	18.4	17.7	2.3188	0	0.0096	2.3284	0.5712	0	-0.1645	0.4067
688	18.8	17.7	2.3178	0	0.0085	2.3263	0.5744	0	-0.1503	0.4242
689	17.4	17.8	2.3167	0	0.0101	2.3268	0.578	0	-0.1073	0.4707
690	18.1	17.9	2.3163	0	0.008	2.3243	0.5757	0	-0.0859	0.4899
691	17.8	17.9	2.3151	0	0.0083	2.3233	0.5722	0	-0.1036	0.4687
692	17.2	18	2.3149	0	0.0085	2.3233	0.5634	0	-0.1083	0.4551
693	17.1	18	2.3147	0	0.0089	2.3237	0.5578	0	-0.1311	0.4267
694	18.1	18	2.3145	0	0.0105	2.325	0.5568	0	-0.1239	0.4328

695	18.3	18	2.3139	0	0.0118	2.3257	0.5577	0	-0.1141	0.4435
696	17.7	18	2.3133	0	0.0118	2.3251	0.5542	0	-0.1048	0.4493
697	18	18	2.313	0	0.0107	2.3237	0.553	0	-0.0693	0.4837
698	18.5	17.9	2.3122	0	0.0088	2.321	0.5466	0	0.0134	0.56
699	18.4	17.9	2.3114	0	0.0086	2.3201	0.5417	0	0.0132	0.5549
700	19.1	17.9	2.311	0	0.0072	2.3182	0.5403	0	0.0242	0.5645
701	18.1	17.9	2.311	0	0.0058	2.3168	0.5403	0	0.0322	0.5725
702	17.5	17.8	2.3104	0	0.0046	2.3149	0.5422	0	0.0334	0.5755
703	17.8	17.8	2.3096	0	0.0003	2.3099	0.5469	0	0.0376	0.5845
704	17.9	17.8	2.3092	0	0.0011	2.3103	0.5532	0	0.0398	0.5931
705	17.8	17.7	2.3085	0	0.0011	2.3096	0.5536	0	0.0486	0.6021
706	17.9	17.7	2.3078	0	0.0002	2.308	0.5555	0	0.0619	0.6173
707	17.8	17.7	2.3072	0	0.0004	2.3075	0.5589	0	0.1132	0.6721
708	17.6	17.6	2.3063	0	0.0018	2.3081	0.5659	0	0.1	0.6659
709	17.6	17.6	2.3053	0	0.0022	2.3075	0.5788	0	0.0367	0.6155
710	17	17.5	2.3049	0	0.0004	2.3053	0.5821	0	0.0824	0.6645
711	16.8	17.5	2.3041	0	0.0036	2.3077	0.5827	0	0.1112	0.694
712	16.9	17.5	2.3031	0	0.0061	2.3091	0.5822	0	0.1395	0.7217
713	17	17.5	2.3022	0	0.0083	2.3105	0.58	0	0.1612	0.7412
714	17.7	17.4	2.3021	0	0.0074	2.3095	0.5775	0	0.1884	0.7658
715	17.5	17.4	2.3016	0	0.0077	2.3093	0.5772	0	0.2035	0.7807
716	17.3	17.3	2.3009	0	0.0078	2.3087	0.5817	0	0.1607	0.7424
717	16.9	17.3	2.3009	0	0.0068	2.3077	0.5809	0	0.1423	0.7231
718	17.7	17.3	2.3012	0	0.0067	2.3079	0.5815	0	0.1765	0.758
719	17.8	17.3	2.3011	0	0.0074	2.3085	0.5814	0	0.2241	0.8055
720	17	17.3	2.3005	0	0.0083	2.3088	0.5775	0	0.2021	0.7796
721	17.5	17.3	2.2997	0	0.0092	2.3089	0.572	0	0.1758	0.7478
722	17.7	17.3	2.2989	0	0.0088	2.3077	0.5716	0	0.1833	0.7549
723	17	17.3	2.2977	0	0.0087	2.3064	0.5736	0	0.2346	0.8082
724	17.5	17.2	2.2974	0	0.0061	2.3035	0.579	0	0.2495	0.8286
725	16.9	17.1	2.297	0	0.0063	2.3032	0.5864	0	0.2433	0.8297
726	17.4	17	2.2963	0	0.0068	2.3031	0.5914	0	0.2346	0.826
727	17.8	17	2.2958	0	0.0065	2.3022	0.5918	0	0.2096	0.8014
728	17.6	16.9	2.2949	0	0.0043	2.2992	0.5958	0	0.2305	0.8264
729	17.2	16.7	2.2944	0	0.0082	2.3026	0.597	0	0.2189	0.8159
730	16.8	16.7	2.294	0	0.0134	2.3075	0.5925	0	0.2307	0.8232
731	16.5	16.6	2.2934	0	0.0153	2.3087	0.5947	0	0.2308	0.8254

732	16.5	16.5	2.2928	0	0.0157	2.3085	0.5921	0	0.2113	0.8034
733	16.7	16.5	2.2922	0	0.0171	2.3093	0.5908	0	0.2061	0.7969
734	16.1	16.5	2.2918	0	0.02	2.3118	0.5947	0	0.1975	0.7922
735	15.4	16.4	2.2915	0	0.0189	2.3104	0.5967	0	0.2076	0.8044
736	15.4	16.4	2.291	0	0.0191	2.3101	0.593	0	0.2085	0.8015
737	16.1	16.3	2.29	0	0.0183	2.3083	0.6021	0	0.201	0.8031
738	15.5	16.3	2.2889	0	0.0152	2.3042	0.6113	0	0.2157	0.827
739	16.1	16.3	2.2886	0	0.0134	2.3021	0.609	0	0.2305	0.8395
740	15.8	16.3	2.2885	0	0.0146	2.3031	0.6013	0	0.2588	0.8601
741	16.4	16.4	2.2885	0	0.0155	2.3039	0.6028	0	0.2503	0.853
742	16.7	16.4	2.2884	0	0.0157	2.304	0.5963	0	0.2553	0.8516
743	16	16.5	2.2877	0	0.0155	2.3032	0.5969	0	0.3059	0.9028
744	16.1	16.6	2.2868	0	0.0142	2.3011	0.5998	0	0.2906	0.8904
745	16.5	16.7	2.2865	0	0.013	2.2995	0.6056	0	0.2992	0.9048
746	17.3	16.9	2.2855	0	0.01	2.2955	0.6067	0	0.3055	0.9122
747	17.1	17	2.2844	0	0.0042	2.2887	0.6078	0	0.2993	0.9071
748	17.1	17.1	2.2834	0	0.0072	2.2907	0.6165	0	0.2893	0.9057
749	17.4	17.2	2.283	0	0.0078	2.2908	0.622	0	0.2412	0.8633
750	16.8	17.4	2.2829	0	0.0078	2.2907	0.6218	0	0.219	0.8408
751	17.4	17.5	2.2824	0	0.008	2.2904	0.6208	0	0.206	0.8267
752	18.2	17.6	2.2814	0	0.0083	2.2897	0.6266	0	0.1731	0.7997
753	18.1	17.7	2.2804	0	0.0091	2.2895	0.6285	0	0.1449	0.7735
754	18	17.8	2.2795	0	0.0097	2.2892	0.6236	0	0.0851	0.7086
755	18.1	17.8	2.2786	0	0.0093	2.2878	0.6169	0	0.0914	0.7083
756	17.8	17.9	2.2776	0	0.0088	2.2864	0.6168	0	0.0735	0.6902
757	17.5	17.9	2.2765	0	0.0104	2.2869	0.6119	0	0.0484	0.6603
758	18.9	17.8	2.2748	0	0.0166	2.2914	0.6072	0	0.0346	0.6418
759	18.7	17.9	2.2741	0	0.0134	2.2875	0.6031	0	0.0424	0.6455
760	18.2	17.9	2.2735	0	0.0122	2.2857	0.5967	0	0.0477	0.6444
761	19.2	18	2.273	0	0.011	2.2839	0.5955	0	0.0381	0.6336
762	18.2	17.9	2.2725	0	0.0106	2.2831	0.5916	0	0.079	0.6706
763	17.3	17.9	2.2722	0	0.0079	2.2801	0.5859	0	0.1139	0.6999
764	17.6	17.9	2.2718	0	0.006	2.2778	0.5815	0	0.1579	0.7393
765	17.7	17.8	2.2711	0	0.0061	2.2772	0.6034	0	0.1554	0.7588
766	17	17.8	2.2706	0	0.0053	2.2759	0.743	0	0.0567	0.7997
767	17	17.9	2.2701	0	0.003	2.2732	0.7915	0	-0.0277	0.7638
768	17.8	17.9	2.2695	0	-0.0024	2.267	0.7954	0	-0.0515	0.7439

769	18.2	17.8	2.2693	0	-0.0046	2.2647	0.8044	0	-0.0439	0.7605
770	17.8	17.8	2.2696	0	-0.0052	2.2644	0.811	0	-0.0244	0.7867
771	17.4	17.6	2.2692	0	-0.0056	2.2637	0.8126	0	-0.0227	0.7899
772	17.6	17.5	2.2685	0	-0.0086	2.2599	0.8084	0	-0.0116	0.7969
773	17.5	17.5	2.2675	0	-0.0089	2.2586	0.8058	0	-0.0071	0.7987
774	17.3	17.4	2.2664	0	-0.0087	2.2577	0.8014	0	-0.0101	0.7913
775	17.5	17.3	2.2654	0	-0.0088	2.2567	0.8044	0	-0.0318	0.7726
776	18.4	17.3	2.2647	0	-0.0099	2.2548	0.8105	0	-0.0198	0.7907
777	18.9	17.3	2.264	0	-0.0107	2.2534	0.8208	0	-0.0195	0.8013
778	17.7	17.3	2.2634	0	-0.0093	2.2541	0.8204	0	0.0177	0.8381
779	17.1	17.2	2.2632	0	-0.0088	2.2544	0.8126	0	-0.0192	0.7934
780	16.7	17.1	2.2627	0	-0.0088	2.2539	0.8152	0	0.0011	0.8163
781	16.3	17	2.2625	0	-0.0056	2.2569	0.8131	0	0.0538	0.8669
782	16.3	16.9	2.2621	0	-0.0056	2.2565	0.8098	0	0.0653	0.875
783	16.5	16.9	2.2615	0	-0.0068	2.2547	0.8042	0	0.0713	0.8755
784	16.4	16.9	2.2609	0	-0.0095	2.2514	0.802	0	0.1019	0.9039
785	16.6	16.8	2.2604	0	-0.0105	2.25	0.8067	0	0.1437	0.9504
786	17.4	16.8	2.2591	0	-0.0102	2.2489	0.8123	0	0.1316	0.9439
787	17	16.7	2.2576	0	-0.012	2.2457	0.8128	0	0.1436	0.9564
788	15.9	16.6	2.2569	0	-0.0146	2.2424	0.8068	0	0.1852	0.992
789	15.7	16.7	2.2565	0	-0.0158	2.2408	0.8004	0	0.1262	0.9267
790	15.8	16.7	2.256	0	-0.017	2.239	0.8047	0	0.1073	0.9121
791	16.2	16.7	2.2555	0	-0.0173	2.2382	0.8104	0	0.1265	0.9369
792	16.8	16.7	2.2552	0	-0.0221	2.2331	0.8212	0	0.1288	0.95
793	17.2	16.7	2.2547	0	-0.0201	2.2346	0.8276	0	0.1283	0.9559
794	16.9	16.8	2.2539	0	-0.0194	2.2345	0.8257	0	0.1083	0.9341
795	16.9	16.8	2.2533	0	-0.0188	2.2345	0.82	0	0.0982	0.9181
796	17.1	16.8	2.2525	0	-0.0181	2.2344	0.8217	0	0.099	0.9207
797	17.3	16.9	2.2513	0	-0.0182	2.2331	0.8193	0	0.0627	0.8819
798	17.2	17	2.25	0	-0.0153	2.2347	0.8156	0	0.002	0.8177
799	16.8	17	2.2493	0	-0.0133	2.236	0.8141	0	0.0359	0.85
800	16.7	17.1	2.2489	0	-0.0134	2.2356	0.8163	0	0.0311	0.8473
801	17	17.2	2.2483	0	-0.0116	2.2368	0.8246	0	0.0083	0.8329
802	17	17.3	2.2475	0	-0.0099	2.2376	0.8225	0	-0.0479	0.7746
803	17.5	17.4	2.2472	0	-0.0082	2.239	0.8341	0	-0.0362	0.7979
804	17	17.6	2.2475	0	-0.008	2.2395	0.8333	0	-0.043	0.7903
805	18	17.6	2.2469	0	-0.0063	2.2406	0.8313	0	-0.0639	0.7674

806	17.6	17.7	2.2466	0	-0.0047	2.242	0.8307	0	-0.0795	0.7513
807	17.4	17.8	2.2465	0	-0.0031	2.2434	0.8285	0	-0.1008	0.7277
808	17.1	17.9	2.246	0	-0.0024	2.2436	0.851	0	-0.1308	0.7202
809	17.3	18	2.2456	0	-0.0026	2.2431	0.8958	0	-0.1206	0.7752
810	18.4	18.1	2.2454	0	-0.0034	2.242	0.8999	0	-0.1725	0.7274
811	19.2	18.1	2.2449	0	-0.0043	2.2406	0.9124	0	-0.1964	0.716
812	19.1	18.2	2.2445	0	-0.0053	2.2392	0.9349	0	-0.2377	0.6972
813	19.1	18.2	2.2441	0	-0.0075	2.2366	0.9344	0	-0.2465	0.6879
814	18.2	18.2	2.2418	0	-0.0082	2.2336	0.9536	0	-0.2728	0.6807
815	18.1	18.3	2.2273	0	0.0021	2.2293	0.9583	0	-0.2903	0.668
816	19.4	18.3	2.2218	0	0.0105	2.2323	0.957	0	-0.2863	0.6707
817	19	18.4	2.2214	0	0.0119	2.2333	0.9711	0	-0.2575	0.7136
818	18.7	18.4	2.2207	0	0.0111	2.2318	0.9849	0	-0.254	0.7309
819	18.2	18.5	2.22	0	0.0099	2.2298	0.9886	0	-0.3136	0.675
820	17.8	18.5	2.2193	0	0.0106	2.2299	1.0002	0	-0.326	0.6742
821	17.9	18.5	2.2189	0	0.0104	2.2293	1.0051	0	-0.3088	0.6964
822	18	18.4	2.2183	0	0.0095	2.2278	0.9987	0	-0.3081	0.6906
823	18.1	18.3	2.2175	0	0.0097	2.2272	0.993	0	-0.3016	0.6914
824	18.7	18.3	2.217	0	0.0093	2.2263	0.9836	0	-0.2753	0.7084
825	18.8	18.4	2.2159	0	0.0083	2.2242	0.9845	0	-0.238	0.7465
826	18.6	18.3	2.2143	0	0.0087	2.223	0.9967	0	-0.2333	0.7635
827	17.7	18.2	2.2137	0	0.0047	2.2184	0.996	0	-0.254	0.742
828	18.9	18.2	2.2136	0	0.0062	2.2198	0.9931	0	-0.2622	0.731
829	17.9	18.3	2.2129	0	0.0081	2.221	0.9969	0	-0.2502	0.7468
830	18.8	18.2	2.2127	0	0.0081	2.2208	1.0027	0	-0.2432	0.7595
831	17.9	18.2	2.2124	0	0.0087	2.2212	1.0011	0	-0.2278	0.7733
832	17.7	18.2	2.2124	0	0.0086	2.221	1.0064	0	-0.1953	0.811
833	18.2	18.2	2.212	0	0.0069	2.2189	1.011	0	-0.1972	0.8138
834	18.3	18.2	2.2111	0	0.0056	2.2167	1.0268	0	-0.1962	0.8307
835	18.3	18.1	2.2102	0	0.0058	2.216	1.0477	0	-0.2766	0.7711
836	18.1	18.1	2.2097	0	0.0047	2.2145	1.0479	0	-0.3224	0.7255
837	18	18.1	2.2094	0	-0.0002	2.2091	1.0362	0	-0.3464	0.6898
838	19	18.1	2.2089	0	0.0026	2.2115	1.0262	0	-0.3818	0.6445
839	17.3	18.1	2.2082	0	0.0027	2.2108	1.0243	0	-0.4277	0.5966
840	18	18.1	2.2074	0	0.002	2.2094	1.026	0	-0.4464	0.5796
841	18.2	18.1	2.2063	0	0.0026	2.209	1.0267	0	-0.4517	0.575
842	17.9	18.1	2.2056	0	0.0028	2.2084	1.0281	0	-0.4522	0.5759

843	17.7	18.2	2.2052	0	0.0046	2.2098	1.0358	0	-0.5096	0.5261
844	18.4	18.2	2.2049	0	0.0044	2.2093	1.0396	0	-0.5145	0.5251
845	18.5	18.2	2.2043	0	0.0031	2.2074	1.0344	0	-0.5259	0.5084
846	17.7	18.2	2.2036	0	0.0037	2.2073	1.0322	0	-0.5168	0.5154
847	18.2	18.2	2.2029	0	0.004	2.2069	1.0279	0	-0.5093	0.5186
848	17.9	18.2	2.202	0	0.0037	2.2057	1.0263	0	-0.5079	0.5184
849	18.1	18.3	2.2013	0	0.0047	2.2061	1.0184	0	-0.4632	0.5551
850	18.5	18.3	2.2004	0	0.007	2.2074	1.0133	0	-0.416	0.5973
851	18.2	18.4	2.2001	0	0.0128	2.2129	1.0135	0	-0.4195	0.594
852	18.7	18.5	2.198	0	0.0119	2.2099	1.0122	0	-0.415	0.5972
853	18.7	18.7	2.197	0	0.0134	2.2105	1.0087	0	-0.3837	0.625
854	18.9	18.8	2.1964	0	0.0161	2.2125	1.0124	0	-0.3672	0.6452
855	18.5	18.8	2.1955	0	0.0172	2.2127	1.0293	0	-0.361	0.6683
856	18.1	18.9	2.1947	0	0.0189	2.2137	1.0257	0	-0.2915	0.7342
857	18.4	19	2.1913	0	0.0235	2.2149	1.029	0	-0.3226	0.7063
858	18.7	19.1	2.1852	0	0.0286	2.2139	1.0343	0	-0.2755	0.7588
859	19	19.3	2.1841	0	0.0307	2.2148	1.0314	0	-0.2674	0.764
860	19.1	19.4	2.1823	0	0.0318	2.2141	1.0331	0	-0.2801	0.7531
861	20.2	19.5	2.1795	0	0.0347	2.2142	1.035	0	-0.2924	0.7427
862	21.4	19.6	2.179	0	0.0352	2.2143	1.0331	0	-0.2939	0.7392
863	20	19.7	2.1768	0	0.0352	2.2121	1.0335	0	-0.2964	0.7372
864	19.4	19.8	2.1759	0	0.0351	2.211	1.036	0	-0.3127	0.7232
865	19.7	20	2.1754	0	0.0347	2.2101	1.017	0	-0.3112	0.7058
866	19.5	20.2	2.1735	0	0.0311	2.2045	0.8797	0	-0.2129	0.6668
867	20.1	20.4	2.1716	0	0.0284	2.2001	0.8308	0	-0.1423	0.6885
868	21.3	20.4	2.1706	0	0.0289	2.1995	0.8289	0	-0.1228	0.7062
869	21.1	20.6	2.1693	0	0.028	2.1973	0.8453	0	-0.1255	0.7197
870	20.3	20.7	2.1691	0	0.0257	2.1948	0.8463	0	-0.1317	0.7145
871	20.2	20.8	2.1694	0	0.0253	2.1946	0.8496	0	-0.1125	0.7371
872	20.8	20.8	2.1692	0	0.0216	2.1908	0.8548	0	-0.1062	0.7485
873	21.1	20.9	2.1691	0	0.0186	2.1877	0.8544	0	-0.0942	0.7602
874	22	21	2.1679	0	0.0151	2.183	0.8493	0	-0.0685	0.7808
875	21.6	21.1	2.1658	0	0.0146	2.1803	0.8461	0	-0.0707	0.7754
876	21.1	21.1	2.1651	0	0.0155	2.1806	0.8388	0	-0.0974	0.7415
877	20.6	21.2	2.1647	0	0.0155	2.1803	0.8253	0	-0.0976	0.7277
878	21.1	21.1	2.1638	0	0.0157	2.1795	0.8235	0	-0.1376	0.6859
879	21.8	21.1	2.1629	0	0.0155	2.1784	0.8261	0	-0.1162	0.7099

880	21.4	21.2	2.1626	0	0.014	2.1766	0.8224	0	-0.0535	0.7689
881	21.9	21.2	2.1619	0	0.0139	2.1758	0.826	0	-0.0837	0.7423
882	21.7	21.2	2.161	0	0.0141	2.1752	0.8274	0	-0.0942	0.7333
883	21.5	21.1	2.1588	0	0.0128	2.1717	0.8329	0	-0.1004	0.7325
884	21	21	2.1561	0	0.0182	2.1743	0.8353	0	-0.1076	0.7277
885	20.5	21	2.1556	0	0.0218	2.1774	0.8309	0	-0.1186	0.7123
886	20.9	21	2.1555	0	0.0244	2.1799	0.826	0	-0.1147	0.7112
887	21.1	21	2.155	0	0.0262	2.1812	0.8242	0	-0.1155	0.7087
888	21.1	21	2.1545	0	0.0282	2.1827	0.8239	0	-0.1714	0.6525
889	20.8	20.9	2.1539	0	0.0289	2.1828	0.8249	0	-0.1526	0.6723
890	20.8	20.8	2.1533	0	0.0282	2.1815	0.8246	0	-0.1612	0.6634
891	20.9	20.7	2.1526	0	0.0279	2.1806	0.8192	0	-0.125	0.6942
892	20	20.6	2.1516	0	0.0289	2.1805	0.8178	0	-0.1184	0.6994
893	20	20.5	2.1508	0	0.0313	2.1821	0.8082	0	-0.0989	0.7093
894	21.4	20.4	2.1505	0	0.0332	2.1837	0.8007	0	-0.0682	0.7325
895	20.1	20.4	2.15	0	0.0329	2.183	0.8	0	-0.0604	0.7396
896	21.9	20.4	2.1498	0	0.0328	2.1826	0.8034	0	-0.0831	0.7202
897	20.9	20.4	2.1487	0	0.0326	2.1813	0.8046	0	-0.0867	0.7179
898	19.6	20.4	2.1482	0	0.031	2.1792	0.8025	0	-0.0795	0.7231
899	19.6	20.3	2.1479	0	0.0283	2.1763	0.7977	0	-0.0929	0.7049
900	19.8	20.3	2.1476	0	0.0286	2.1762	0.7997	0	-0.1021	0.6976
901	19.7	20.2	2.1471	0	0.0299	2.1771	0.8048	0	-0.0514	0.7534
902	19.7	20.2	2.1467	0	0.0284	2.1751	0.8024	0	-0.0121	0.7902
903	19.7	20.2	2.146	0	0.0285	2.1745	0.7838	0	-0.0174	0.7664
904	20.1	20.1	2.1446	0	0.0281	2.1727	0.7782	0	-0.0137	0.7644
905	21	20.1	2.1443	0	0.0229	2.1672	0.7747	0	-0.006	0.7688
906	19.9	19.9	2.1437	0	0.0276	2.1713	0.7692	0	-0.0006	0.7686
907	21	19.8	2.143	0	0.0245	2.1675	0.7666	0	0.0185	0.7851
908	19.9	19.8	2.1428	0	0.0243	2.1672	0.741	0	0.0601	0.8011
909	19.8	19.8	2.1423	0	0.0254	2.1678	0.6872	0	0.1045	0.7917
910	20	19.8	2.1419	0	0.0258	2.1677	0.6763	0	0.1165	0.7928
911	20	19.8	2.1416	0	0.0251	2.1667	0.6618	0	0.1147	0.7764
912	19.7	19.8	2.1411	0	0.0243	2.1654	0.6366	0	0.1462	0.7827
913	19.4	19.7	2.1405	0	0.0238	2.1643	0.6385	0	0.1576	0.7961
914	19.6	19.7	2.1401	0	0.0229	2.163	0.6236	0	0.1574	0.781
915	19.4	19.6	2.1393	0	0.0234	2.1627	0.6178	0	0.1412	0.759
916	18.8	19.5	2.1387	0	0.0248	2.1635	0.6148	0	0.1309	0.7457

917	20	19.3	2.1385	0	0.0242	2.1627	0.5945	0	0.0958	0.6902
918	19.6	19.2	2.1362	0	0.0237	2.1599	0.5723	0	0.072	0.6443
919	19.9	19.1	2.1353	0	0.023	2.1584	0.5625	0	0.0837	0.6461
920	18.9	19.1	2.1343	0	0.0218	2.1561	0.5512	0	0.0777	0.629
921	19	19	2.1334	0	0.021	2.1544	0.5518	0	0.0732	0.625
922	19.3	18.9	2.1328	0	0.0189	2.1518	0.5566	0	0.0852	0.6418
923	19.1	18.8	2.1326	0	0.0165	2.1492	0.5575	0	0.0347	0.5922
924	18.7	18.8	2.1324	0	0.0164	2.1487	0.5617	0	0.0029	0.5645
925	18.1	18.7	2.132	0	0.018	2.15	0.5545	0	-0.036	0.5184
926	17.9	18.7	2.1317	0	0.0185	2.1502	0.5369	0	-0.0485	0.4884
927	18.1	18.7	2.1314	0	0.0184	2.1498	0.533	0	-0.0511	0.4819
928	18.2	18.6	2.131	0	0.0179	2.1488	0.5345	0	-0.0579	0.4766
929	18.5	18.5	2.1306	0	0.0135	2.1441	0.5322	0	-0.0604	0.4718
930	18.3	18.5	2.1301	0	0.0164	2.1465	0.5262	0	-0.0675	0.4588
931	18.6	18.4	2.1297	0	0.0181	2.1478	0.5257	0	-0.0566	0.4691
932	18	18.4	2.1291	0	0.0186	2.1477	0.5187	0	-0.0684	0.4504
933	18.3	18.3	2.1285	0	0.0177	2.1462	0.5113	0	-0.0707	0.4407
934	18.7	18.3	2.128	0	0.0175	2.1455	0.4913	0	-0.0831	0.4082
935	18.8	18.3	2.1276	0	0.0172	2.1449	0.465	0	-0.0229	0.4422
936	18.6	18.2	2.1273	0	0.0163	2.1436	0.4627	0	0.0025	0.4652
937	17.9	18.2	2.127	0	0.0169	2.1439	0.464	0	0.0437	0.5077
938	19.1	18.2	2.1264	0	0.0179	2.1443	0.4637	0	0.0758	0.5396
939	17.6	18.1	2.1257	0	0.0188	2.1445	0.4626	0	0.097	0.5596
940	18.2	18.1	2.1255	0	0.0145	2.14	0.459	0	0.0999	0.5589
941	18.6	18	2.1246	0	0.0145	2.139	0.4549	0	0.0946	0.5496
942	18.3	18	2.1248	0	0.0127	2.1375	0.4513	0	0.1055	0.5568
943	18	17.9	2.1251	0	0.0115	2.1366	0.4442	0	0.0974	0.5416
944	17.6	17.9	2.1249	0	0.0105	2.1353	0.4377	0	0.1472	0.5849
945	17.1	17.8	2.124	0	0.0114	2.1354	0.4368	0	0.1604	0.5972
946	17.4	17.7	2.1231	0	0.0124	2.1355	0.4324	0	0.1707	0.6032
947	17.9	17.7	2.1226	0	0.012	2.1346	0.4325	0	0.1729	0.6054
948	17.2	17.6	2.1222	0	0.0129	2.1352	0.4223	0	0.1822	0.6046
949	17.4	17.5	2.1214	0	0.0149	2.1363	0.4184	0	0.1697	0.5881
950	17.9	17.5	2.12	0	0.0121	2.1321	0.4196	0	0.1403	0.56
951	17.5	17.4	2.1199	0	0.014	2.1339	0.4205	0	0.1478	0.5683
952	17.1	17.4	2.1196	0	0.0137	2.1333	0.4204	0	0.1695	0.5899
953	17.1	17.4	2.1192	0	0.0148	2.134	0.42	0	0.1495	0.5696

954	17.3	17.3	2.1189	0	0.0167	2.1356	0.4161	0	0.1379	0.554
955	17.4	17.3	2.1186	0	0.0173	2.1359	0.4064	0	0.1218	0.5282
956	17.1	17.3	2.1181	0	0.0171	2.1351	0.4081	0	0.0706	0.4787
957	17	17.2	2.1172	0	0.0175	2.1348	0.4071	0	0.1386	0.5457
958	17.4	17.1	2.1165	0	0.0182	2.1347	0.4019	0	0.1049	0.5068
959	17.5	17	2.1164	0	0.019	2.1355	0.4002	0	0.1049	0.5051
960	16.9	16.9	2.1161	0	0.0204	2.1365	0.3958	0	0.1242	0.52
961	17.9	16.8	2.1158	0	0.0201	2.1359	0.3932	0	0.1429	0.5361
962	17.3	16.8	2.1152	0	0.0195	2.1347	0.393	0	0.1575	0.5505
963	17.1	16.7	2.1145	0	0.0195	2.134	0.3881	0	0.1621	0.5502
964	16.8	16.6	2.1142	0	0.0209	2.1351	0.381	0	0.1769	0.5579
965	16.4	16.5	2.114	0	0.0216	2.1356	0.3768	0	0.213	0.5898
966	16.1	16.5	2.114	0	0.0215	2.1355	0.368	0	0.2437	0.6117
967	15.6	16.5	2.1144	0	0.0212	2.1356	0.3602	0	0.2914	0.6516
968	15.2	16.4	2.1144	0	0.0206	2.1349	0.3596	0	0.3089	0.6685
969	16.3	16.3	2.1142	0	0.0202	2.1344	0.341	0	0.3263	0.6672
970	16.4	16.3	2.1139	0	0.0184	2.1323	0.3337	0	0.326	0.6597
971	15.8	16.1	2.1137	0	0.0167	2.1305	0.3248	0	0.3102	0.635
972	15.6	16	2.1134	0	0.0181	2.1316	0.318	0	0.3002	0.6182
973	15.7	16	2.1129	0	0.0183	2.1313	0.3141	0	0.2766	0.5907
974	16	15.9	2.1125	0	0.0187	2.1312	0.3122	0	0.2368	0.549
975	16.3	15.8	2.1121	0	0.0194	2.1315	0.314	0	0.1983	0.5122
976	16.3	15.8	2.1118	0	0.0206	2.1324	0.3134	0	0.1992	0.5127
977	16.4	15.8	2.1113	0	0.0213	2.1326	0.316	0	0.2504	0.5664
978	16.2	15.7	2.1105	0	0.0217	2.1323	0.3126	0	0.2289	0.5415
979	15.4	15.6	2.1103	0	0.0222	2.1325	0.3121	0	0.2234	0.5356
980	15.3	15.5	2.11	0	0.0197	2.1297	0.3107	0	0.1868	0.4975
981	15.4	15.5	2.11	0	0.0207	2.1307	0.3084	0	0.2235	0.5319
982	15.9	15.4	2.1099	0	0.0212	2.1311	0.3085	0	0.241	0.5495
983	14.9	15.3	2.1097	0	0.0211	2.1308	0.3067	0	0.2433	0.5501
984	15.7	15.2	2.1096	0	0.0204	2.1301	0.3058	0	0.2296	0.5353
985	15.5	15.1	2.1094	0	0.0215	2.1309	0.3115	0	0.196	0.5075
986	15	15	2.109	0	0.0201	2.1291	0.326	0	0.1325	0.4585
987	14.6	14.9	2.1086	0	0.0186	2.1273	0.3259	0	0.1715	0.4974
988	14.5	14.9	2.1083	0	0.0185	2.1268	0.3207	0	0.1184	0.4391
989	14.5	14.8	2.108	0	0.0189	2.1269	0.3159	0	0.1548	0.4706
990	14.3	14.8	2.1078	0	0.0187	2.1265	0.3105	0	0.165	0.4755

991	14.2	14.8	2.1075	0	0.0174	2.1249	0.3125	0	0.1302	0.4427
992	14.9	14.7	2.1072	0	0.0191	2.1263	0.3016	0	0.1518	0.4534
993	13.8	14.7	2.107	0	0.0166	2.1236	0.3019	0	0.131	0.4329
994	14.8	14.7	2.1068	0	0.0172	2.124	0.3071	0	0.107	0.4142
995	14.3	14.7	2.1068	0	0.0158	2.1226	0.3085	0	0.1009	0.4094
996	14.6	14.7	2.1065	0	0.0155	2.122	0.3025	0	0.1142	0.4167
997	15.1	14.7	2.1065	0	0.0144	2.1208	0.2945	0	0.1403	0.4348
998	14.7	14.7	2.1063	0	0.014	2.1204	0.2859	0	0.1444	0.4303
999	14.4	14.8	2.106	0	0.0143	2.1203	0.2803	0	0.1732	0.4534
1000	14.7	14.9	2.1055	0	0.0138	2.1193	0.2735	0	0.2124	0.4859
1001	15	14.9	2.1051	0	0.013	2.1181	0.2613	0	0.1871	0.4484
1002	15.7	15	2.1047	0	0.0135	2.1181	0.2646	0	0.2002	0.4648
1003	14.6	15	2.1044	0	0.0147	2.1191	0.2654	0	0.1923	0.4578
1004	15.3	15.1	2.1039	0	0.0159	2.1199	0.2666	0	0.204	0.4705
1005	15	15.2	2.1035	0	0.0158	2.1193	0.2667	0	0.2275	0.4942
1006	15.2	15.2	2.103	0	0.0137	2.1168	0.2644	0	0.2392	0.5036
1007	15.3	15.2	2.1028	0	0.014	2.1168	0.2598	0	0.2339	0.4937
1008	15.8	15.2	2.1028	0	0.0138	2.1166	0.2518	0	0.2174	0.4692
1009	15.7	15.3	2.1028	0	0.013	2.1158	0.2459	0	0.2189	0.4647
1010	15.3	15.3	2.1025	0	0.0116	2.1141	0.2446	0	0.2516	0.4962
1011	15.3	15.2	2.1023	0	0.0094	2.1117	0.2474	0	0.2714	0.5187
1012	15.3	15.1	2.1023	0	0.0081	2.1104	0.2443	0	0.2833	0.5276
1013	15.3	15.1	2.1024	0	0.0061	2.1085	0.2356	0	0.2957	0.5313
1014	16.2	15.1	2.1024	0	0.0016	2.1041	0.2284	0	0.3081	0.5365
1015	15.8	15	2.1025	0	-0.001	2.1015	0.2268	0	0.3539	0.5807
1016	14.7	15	2.1027	0	-0.0044	2.0983	0.228	0	0.36	0.5879
1017	15.1	14.9	2.1025	0	-0.0067	2.0959	0.2327	0	0.3382	0.5709
1018	14.9	14.8	2.1021	0	-0.009	2.0931	0.2405	0	0.3362	0.5768
1019	14.7	14.7	2.102	0	-0.0096	2.0924	0.2454	0	0.3268	0.5723
1020	14.2	14.6	2.1018	0	-0.0092	2.0927	0.2502	0	0.3249	0.5751
1021	14	14.6	2.1016	0	-0.009	2.0926	0.2511	0	0.3122	0.5633
1022	14.2	14.5	2.1014	0	-0.0087	2.0927	0.2529	0	0.2785	0.5314
1023	14	14.5	2.1014	0	-0.0071	2.0943	0.253	0	0.2775	0.5306
1024	14	14.4	2.101	0	-0.0034	2.0975	0.2492	0	0.2819	0.5311
1025	14.5	14.3	2.1007	0	-0.0019	2.0987	0.2447	0	0.2972	0.5419
1026	14.2	14.4	2.1001	0	-0.0065	2.0936	0.2425	0	0.3122	0.5547
1027	13.6	14.4	2.1001	0	-0.0044	2.0957	0.24	0	0.3186	0.5586

1028	14.2	14.4	2.0998	0	-0.0045	2.0953	0.2357	0	0.3175	0.5532
1029	13.7	14.4	2.0996	0	-0.0052	2.0943	0.232	0	0.3211	0.5531
1030	14	14.4	2.0993	0	-0.0059	2.0933	0.2317	0	0.3285	0.5602
1031	14.3	14.5	2.0988	0	-0.0059	2.0929	0.2313	0	0.3096	0.5409
1032	14.3	14.6	2.0984	0	-0.0057	2.0927	0.2329	0	0.3329	0.5657
1033	14.7	14.6	2.0979	0	-0.0052	2.0926	0.231	0	0.3027	0.5338
1034	15	14.6	2.0969	0	-0.0021	2.0947	0.2328	0	0.3261	0.5588
1035	15.2	14.7	2.095	0	0.004	2.099	0.2345	0	0.3466	0.5811
1036	15.1	14.7	2.0947	0	-0.0009	2.0939	0.2322	0	0.3458	0.578
1037	15	14.7	2.0949	0	0.0051	2.1	0.2291	0	0.3021	0.5311
1038	14.9	14.8	2.0948	0	0.0024	2.0972	0.2273	0	0.2636	0.4909
1039	15.2	14.9	2.0946	0	0.0023	2.097	0.2272	0	0.2358	0.463
1040	15.5	15	2.0943	0	0.0014	2.0957	0.2299	0	0.2182	0.4481
1041	15.5	15	2.0944	0	-0.0007	2.0937	0.2344	0	0.2247	0.459
1042	15	15	2.0946	0	-0.0004	2.0942	0.2327	0	0.204	0.4367
1043	14.5	15.1	2.0944	0	0.0008	2.0951	0.2338	0	0.2401	0.4739
1044	14.6	15.1	2.094	0	0.0004	2.0944	0.232	0	0.1843	0.4163
1045	14.7	15.1	2.0937	0	0	2.0937	0.2302	0	0.1865	0.4167
1046	14.8	15.2	2.0937	0	-0.0016	2.092	0.2315	0	0.1676	0.3991
1047	15.1	15.2	2.094	0	-0.0025	2.0916	0.2323	0	0.1584	0.3907
1048	15.7	15.2	2.0942	0	-0.0044	2.0898	0.2331	0	0.1197	0.3528
1049	15.3	15.2	2.094	0	-0.0063	2.0877	0.2337	0	0.0916	0.3253
1050	15	15.2	2.0938	0	-0.0066	2.0873	0.235	0	0.0912	0.3262
1051	15.1	15.2	2.0934	0	-0.006	2.0874	0.2342	0	0.089	0.3233
1052	15.8	15.1	2.093	0	-0.0055	2.0875	0.2303	0	0.0776	0.3079
1053	15.7	15.1	2.0926	0	-0.0056	2.087	0.2285	0	0.0805	0.309
1054	15.5	15.2	2.0923	0	-0.0061	2.0862	0.2239	0	0.0904	0.3143
1055	15.2	15.2	2.0922	0	-0.0067	2.0855	0.2157	0	0.0978	0.3134
1056	15	15.2	2.0921	0	-0.0063	2.0858	0.2148	0	0.115	0.3298
1057	16	15.3	2.0921	0	-0.0042	2.0879	0.2127	0	0.1284	0.3411
1058	15.3	15.3	2.0919	0	-0.0037	2.0882	0.2169	0	0.1352	0.3521
1059	14.5	15.3	2.092	0	-0.0061	2.0859	0.2211	0	0.1352	0.3562
1060	15.4	15.3	2.0913	0	-0.0068	2.0846	0.2242	0	0.137	0.3612
1061	14.4	15.3	2.0914	0	-0.0082	2.0832	0.2279	0	0.1236	0.3516
1062	14.8	15.3	2.0916	0	-0.0101	2.0815	0.23	0	0.1	0.33
1063	14.7	15.2	2.0916	0	-0.0113	2.0803	0.2299	0	0.1084	0.3382
1064	15.3	15.2	2.0915	0	-0.0145	2.077	0.2297	0	0.0849	0.3145

1065	15.8	15.2	2.0912	0	-0.0144	2.0768	0.237	0	0.0415	0.2785
1066	15.9	15.2	2.0907	0	-0.0123	2.0784	0.237	0	0.0149	0.2519
1067	15.8	15.1	2.0903	0	-0.0124	2.078	0.2387	0	-0.0285	0.2102
1068	15.4	15.1	2.0898	0	-0.0121	2.0777	0.241	0	-0.0494	0.1916
1069	15.3	15.1	2.0891	0	-0.0123	2.0769	0.2417	0	-0.0731	0.1686
1070	14.7	15	2.0888	0	-0.0128	2.0759	0.2453	0	-0.0817	0.1636
1071	15.4	15.1	2.0884	0	-0.0111	2.0773	0.2447	0	-0.0708	0.1739
1072	14.9	15.1	2.0881	0	-0.0096	2.0785	0.2398	0	-0.0616	0.1782
1073	15.5	15	2.088	0	-0.0099	2.0782	0.2378	0	-0.0623	0.1754
1074	14.6	15	2.088	0	-0.011	2.077	0.2363	0	-0.0466	0.1897
1075	14.6	15	2.0878	0	-0.0118	2.076	0.2343	0	-0.0197	0.2146
1076	14.6	15	2.0878	0	-0.0112	2.0766	0.2377	0	-0.0074	0.2304
1077	14.4	14.9	2.0877	0	-0.0104	2.0773	0.2359	0	-0.0618	0.1742
1078	14.7	15	2.0873	0	-0.0104	2.077	0.2385	0	-0.069	0.1695
1079	14.8	15	2.0871	0	-0.0106	2.0765	0.2344	0	-0.104	0.1303
1080	14.7	15.1	2.0869	0	-0.0113	2.0756	0.2316	0	-0.1128	0.1188
1081	14.7	15	2.0867	0	-0.0126	2.0741	0.2292	0	-0.1302	0.099
1082	14.4	15	2.0868	0	-0.0091	2.0777	0.2269	0	-0.1486	0.0783
1083	14.6	14.9	2.0864	0	-0.0115	2.0749	0.2239	0	-0.1348	0.0891
1084	15.7	14.9	2.0862	0	-0.0142	2.072	0.2187	0	-0.1169	0.1019
1085	15.2	15	2.0862	0	-0.0131	2.0731	0.2092	0	-0.1209	0.0883
1086	15.8	15	2.0861	0	-0.0101	2.076	0.1938	0	-0.0636	0.1302
1087	16.3	15.1	2.0859	0	-0.0077	2.0782	0.1933	0	-0.1139	0.0794
1088	15.9	15.1	2.0855	0	-0.0051	2.0805	0.1988	0	-0.0407	0.1581
1089	15.5	15.1	2.085	0	-0.0029	2.0821	0.199	0	-0.0689	0.1301
1090	14.9	15.1	2.0844	0	-0.0038	2.0806	0.199	0	-0.1003	0.0987
1091	14.1	15.1	2.0843	0	-0.003	2.0812	0.1949	0	-0.1149	0.08
1092	14.4	15.2	2.0838	0	-0.0049	2.0789	0.1977	0	-0.141	0.0567
1093	14.1	15.2	2.0838	0	-0.0018	2.082	0.202	0	-0.1297	0.0723
1094	15.9	15.2	2.0838	0	-0.0015	2.0823	0.202	0	-0.1027	0.0994
1095	15.8	15.1	2.0837	0	-0.0009	2.0827	0.2	0	-0.0998	0.1001
1096	15.3	15.1	2.0833	0	-0.0003	2.083	0.1979	0	-0.0973	0.1006
1097	15.2	15	2.0832	0	0.0024	2.0855	0.1988	0	-0.1093	0.0895
1098	14.8	14.9	2.083	0	0.0049	2.0878	0.2032	0	-0.1105	0.0928
1099	14.6	14.9	2.0825	0	0.0052	2.0877	0.2069	0	-0.1269	0.08
1100	15.3	14.9	2.0821	0	0.0049	2.087	0.2027	0	-0.1307	0.072
1101	15.4	14.9	2.082	0	0.0052	2.0873	0.2011	0	-0.1316	0.0696

1102	15.1	14.9	2.0818	0	0.0054	2.0872	0.1974	0	-0.1256	0.0718
1103	14.5	14.9	2.082	0	0.0057	2.0877	0.1941	0	-0.1239	0.0701
1104	14.6	14.8	2.0824	0	0.0062	2.0885	0.1912	0	-0.1353	0.0558
1105	14.7	14.8	2.082	0	0.0043	2.0863	0.1903	0	-0.1528	0.0376
1106	14.8	14.8	2.0818	0	0.0009	2.0826	0.1916	0	-0.164	0.0276
1107	14.6	14.7	2.0811	0	0.0004	2.0816	0.1934	0	-0.1517	0.0417
1108	14.5	14.7	2.0807	0	0.0003	2.081	0.1948	0	-0.1067	0.0881
1109	14.7	14.7	2.0803	0	-0.0007	2.0797	0.1942	0	-0.1185	0.0757
1110	14.7	14.7	2.0798	0	-0.0008	2.0789	0.1976	0	-0.1309	0.0667
1111	14.3	14.7	2.0793	0	-0.0006	2.0787	0.1949	0	-0.0939	0.101
1112	14.3	14.6	2.0793	0	-0.0027	2.0766	0.1966	0	-0.0973	0.0993
1113	14.5	14.7	2.0794	0	-0.0024	2.077	0.1999	0	-0.1456	0.0544
1114	14.9	14.7	2.0787	0	-0.0025	2.0762	0.2015	0	-0.1646	0.037
1115	14.7	14.7	2.0788	0	-0.0025	2.0763	0.2039	0	-0.1739	0.03
1116	14.1	14.7	2.0788	0	-0.0015	2.0773	0.2031	0	-0.1624	0.0408
1117	14.4	14.7	2.0784	0	-0.0017	2.0767	0.1991	0	-0.1509	0.0482
1118	15.2	14.7	2.0779	0	-0.0016	2.0763	0.197	0	-0.1533	0.0437
1119	15	14.6	2.0774	0	-0.0014	2.076	0.1935	0	-0.144	0.0495
1120	14.7	14.6	2.0774	0	-0.0021	2.0753	0.1889	0	-0.1337	0.0552
1121	14.8	14.6	2.0776	0	-0.0028	2.0748	0.1917	0	-0.151	0.0407
1122	15	14.6	2.0777	0	-0.0025	2.0752	0.1891	0	-0.1421	0.047
1123	15.4	14.6	2.0778	0	-0.0025	2.0753	0.192	0	-0.1307	0.0613
1124	14.8	14.6	2.0775	0	-0.0015	2.0761	0.1943	0	-0.135	0.0593
1125	14.4	14.5	2.0769	0	-0.0012	2.0757	0.1998	0	-0.1514	0.0484
1126	14.5	14.6	2.0765	0	-0.0004	2.0762	0.2027	0	-0.1635	0.0392
1127	14.2	14.6	2.0762	0	0.0025	2.0787	0.2053	0	-0.1428	0.0625
1128	14	14.6	2.0763	0	0.0059	2.0823	0.2062	0	-0.1156	0.0907
1129	14.2	14.5	2.0764	0	0.0061	2.0825	0.2041	0	-0.125	0.0791
1130	14.5	14.4	2.0763	0	0.0071	2.0834	0.2053	0	-0.1421	0.0632
1131	14.4	14.4	2.0762	0	0.0089	2.0851	0.2076	0	-0.1722	0.0353
1132	14.3	14.3	2.076	0	0.0078	2.0838	0.2041	0	-0.1767	0.0274
1133	14.3	14.2	2.076	0	0.0064	2.0824	0.2005	0	-0.1607	0.0398
1134	14.1	14.1	2.0759	0	0.01	2.0859	0.1948	0	-0.1635	0.0314
1135	15	14.1	2.0757	0	0.0103	2.086	0.1938	0	-0.1757	0.0182
1136	14.3	14.1	2.0754	0	0.0105	2.0859	0.1934	0	-0.1415	0.0519
1137	15	14.1	2.075	0	0.0092	2.0842	0.1963	0	-0.0628	0.1335
1138	13.9	14.1	2.0749	0	0.0093	2.0842	0.1985	0	-0.0125	0.186

1139	13.4	14.1	2.0747	0	0.0123	2.0871	0.1953	0	0.0147	0.21
1140	13.6	14.1	2.0748	0	0.0129	2.0877	0.1872	0	0.0525	0.2397
1141	13.4	14.1	2.0746	0	0.0134	2.088	0.1772	0	0.0622	0.2394
1142	13.3	14.1	2.0744	0	0.0126	2.087	0.1732	0	0.0889	0.262
1143	13.7	14.1	2.0742	0	0.011	2.0852	0.1661	0	0.0776	0.2437
1144	14.3	14.1	2.074	0	0.0104	2.0844	0.1679	0	0.1246	0.2925
1145	14.6	14	2.074	0	0.0097	2.0837	0.1706	0	0.1239	0.2944
1146	14.2	14	2.0738	0	0.0093	2.0831	0.1726	0	0.141	0.3136
1147	13.8	13.9	2.0737	0	0.0086	2.0823	0.1725	0	0.1448	0.3173
1148	13.9	13.9	2.0735	0	0.0083	2.0818	0.1708	0	0.1558	0.3266
1149	14.3	13.9	2.0738	0	0.0068	2.0805	0.1691	0	0.1664	0.3355
1150	14.1	14	2.0737	0	0.0066	2.0803	0.1669	0	0.1622	0.329
1151	14.1	14	2.0737	0	0.0065	2.0802	0.1658	0	0.1532	0.319
1152	14.3	14.1	2.0736	0	0.0068	2.0805	0.168	0	0.1551	0.3232
1153	14	14.1	2.0735	0	0.0079	2.0814	0.1694	0	0.1796	0.349
1154	13.6	14.1	2.0732	0	0.0092	2.0824	0.1767	0	0.1668	0.3435
1155	13.7	14	2.073	0	0.0097	2.0827	0.1832	0	0.1429	0.3261
1156	13.1	14	2.0728	0	0.0088	2.0816	0.1823	0	0.1156	0.2979
1157	13.9	14.1	2.0726	0	0.0065	2.079	0.1834	0	0.0624	0.2458
1158	15.1	14.1	2.0725	0	0.0082	2.0806	0.182	0	0.0433	0.2253
1159	14.4	14	2.0722	0	0.007	2.0792	0.1804	0	0.02	0.2004
1160	14.3	14	2.0719	0	0.0026	2.0745	0.177	0	0.0082	0.1851
1161	13.9	13.9	2.0717	0	0.0015	2.0732	0.1702	0	0.0371	0.2074
1162	14	13.9	2.0716	0	0.0045	2.0761	0.1641	0	0.0516	0.2157
1163	14.1	13.9	2.0715	0	0.0051	2.0766	0.1612	0	0.0281	0.1893
1164	13.8	13.8	2.0711	0	0.0029	2.074	0.1612	0	0.0336	0.1948
1165	13.9	13.9	2.0708	0	0.0018	2.0727	0.1512	0	0.0245	0.1757
1166	14.4	13.9	2.0708	0	0.0028	2.0736	0.1502	0	0.0086	0.1588
1167	14.2	13.9	2.0707	0	0.003	2.0736	0.1523	0	0.0263	0.1786
1168	13.5	13.8	2.0705	0	0.0023	2.0727	0.1501	0	0.0237	0.1738
1169	13.1	13.7	2.0703	0	0.0011	2.0713	0.1458	0	0.0208	0.1666
1170	12.7	13.7	2.0696	0	0.0023	2.0719	0.1422	0	0.0061	0.1482
1171	14.3	13.7	2.0695	0	0.0031	2.0726	0.1448	0	-0.0149	0.1299
1172	13.4	13.6	2.0689	0	0.0034	2.0724	0.1522	0	-0.0062	0.146
1173	13.3	13.6	2.0686	0	0.0036	2.0722	0.1571	0	0.0044	0.1615
1174	13.9	13.6	2.068	0	0.0041	2.0721	0.1608	0	-0.008	0.1528
1175	14	13.6	2.0675	0	0.0046	2.0721	0.1603	0	0.0103	0.1706

1176	13.4	13.5	2.0673	0	0.0031	2.0703	0.1531	0	-0.0023	0.1508
1177	13	13.5	2.0671	0	0.0011	2.0682	0.1534	0	0.0264	0.1798
1178	13.3	13.5	2.0669	0	0.0021	2.0691	0.1544	0	0.0308	0.1851
1179	13.9	13.4	2.0666	0	0.0036	2.0702	0.1565	0	0.0682	0.2247
1180	13.2	13.4	2.0661	0	0.0059	2.0721	0.1575	0	0.0744	0.232
1181	13.3	13.3	2.0663	0	0.0051	2.0714	0.1561	0	0.081	0.2371
1182	13.4	13.3	2.0667	0	0.007	2.0737	0.1536	0	0.1073	0.2609
1183	13.6	13.3	2.067	0	0.0048	2.0718	0.1533	0	0.1065	0.2598
1184	14	13.3	2.0668	0	0.0034	2.0701	0.151	0	0.0758	0.2268
1185	13.5	13.2	2.0668	0	0.0011	2.0679	0.1505	0	0.1093	0.2598
1186	13.3	13.2	2.0665	0	-0.0039	2.0626	0.1504	0	0.1436	0.294
1187	13.1	13.3	2.0661	0	-0.0065	2.0596	0.1487	0	0.1448	0.2935
1188	12.5	13.3	2.066	0	-0.0066	2.0595	0.1459	0	0.1398	0.2857
1189	12.4	13.3	2.0663	0	-0.0082	2.0581	0.1465	0	0.1377	0.2841
1190	12.6	13.3	2.0667	0	-0.01	2.0567	0.1466	0	0.1636	0.3103
1191	13.5	13.3	2.0669	0	-0.0119	2.055	0.1487	0	0.1717	0.3204
1192	13.4	13.3	2.0672	0	-0.0127	2.0545	0.1483	0	0.1782	0.3265
1193	13	13.2	2.067	0	-0.0143	2.0527	0.1466	0	0.1646	0.3112
1194	13	13.2	2.0667	0	-0.0139	2.0529	0.1462	0	0.1371	0.2833
1195	13.4	13.1	2.0664	0	-0.015	2.0514	0.1469	0	0.1139	0.2608
1196	13.6	13	2.066	0	-0.0148	2.0512	0.1537	0	0.1012	0.2549
1197	13.9	13	2.0661	0	-0.0132	2.0529	0.1584	0	0.0486	0.2069
1198	13.5	13	2.0661	0	-0.0118	2.0543	0.1579	0	0.0584	0.2164
1199	12.9	13	2.0658	0	-0.011	2.0547	0.1597	0	0.0887	0.2484
1200	13.4	13	2.0655	0	-0.0104	2.0551	0.1623	0	0.0721	0.2344
1201	13.4	13	2.0652	0	-0.0103	2.055	0.1617	0	0.0652	0.227
1202	12.7	12.9	2.0649	0	-0.0125	2.0523	0.1632	0	0.0528	0.216
1203	13	13	2.0643	0	-0.011	2.0533	0.1647	0	0.0294	0.1941
1204	12.3	13	2.064	0	-0.0081	2.0559	0.1644	0	0.0325	0.1969
1205	12.2	13	2.0638	0	-0.0072	2.0565	0.1652	0	0.0445	0.2097
1206	12	13	2.0634	0	-0.0054	2.0581	0.1631	0	0.0604	0.2235
1207	12.6	13	2.0629	0	-0.0039	2.0591	0.1624	0	0.0559	0.2183
1208	12.6	12.9	2.0627	0	-0.0017	2.061	0.1601	0	0.0334	0.1935
1209	12.4	12.9	2.0626	0	-0.0015	2.0611	0.1589	0	0.0698	0.2287
1210	12.9	12.9	2.0627	0	-0.0045	2.0582	0.1581	0	0.0732	0.2313
1211	12.9	12.9	2.0629	0	-0.0058	2.0571	0.1545	0	0.0276	0.1821
1212	13.4	12.9	2.0632	0	-0.0055	2.0577	0.1527	0	0.0185	0.1712

1213	13.8	12.9	2.0633	0	-0.0058	2.0575	0.1542	0	0.0714	0.2256
1214	14	13	2.0636	0	-0.0049	2.0586	0.1561	0	0.1012	0.2572
1215	13.4	13.1	2.0638	0	-0.0034	2.0604	0.1528	0	0.0721	0.2249
1216	13	13.1	2.0636	0	-0.0042	2.0594	0.1495	0	0.0538	0.2033
1217	12.9	13.1	2.0634	0	-0.0041	2.0593	0.151	0	0.0525	0.2036
1218	12.8	13.1	2.0633	0	-0.0037	2.0596	0.1495	0	0.0451	0.1946
1219	13	13.1	2.0632	0	-0.002	2.0612	0.149	0	0.0101	0.1591
1220	13.3	13.2	2.0629	0	-0.0006	2.0623	0.1487	0	-0.0084	0.1402
1221	13.3	13.2	2.0624	0	-0.0022	2.0602	0.1437	0	0.0041	0.1477
1222	12.9	13.2	2.0619	0	-0.0029	2.059	0.1417	0	0.0217	0.1634
1223	13.7	13.1	2.0617	0	-0.0017	2.06	0.1339	0	0.045	0.1789
1224	13.4	13	2.0615	0	-0.0025	2.059	0.132	0	0.0213	0.1533
1225	12.6	13	2.0616	0	-0.001	2.0606	0.1272	0	0.0324	0.1596
1226	12.6	13	2.0612	0	-0.003	2.0582	0.1216	0	0.0411	0.1627
1227	12.6	13	2.0608	0	-0.0006	2.0602	0.1228	0	0.0791	0.2019
1228	13.5	13	2.0607	0	-0.0009	2.0598	0.1238	0	0.0605	0.1842
1229	13.6	12.9	2.0606	0	-0.0014	2.0593	0.1255	0	0.0614	0.1869
1230	13.1	12.9	2.0607	0	-0.001	2.0597	0.1235	0	0.0707	0.1942
1231	12.8	12.8	2.0608	0	-0.0018	2.059	0.1181	0	0.0897	0.2078
1232	12.6	12.8	2.0607	0	-0.0029	2.0578	0.1207	0	0.0779	0.1986
1233	12.7	12.8	2.0609	0	-0.0011	2.0598	0.1281	0	0.096	0.2241
1234	13	12.7	2.0609	0	-0.0009	2.0599	0.1337	0	0.0763	0.21
1235	12.7	12.7	2.0606	0	-0.004	2.0566	0.1337	0	0.0796	0.2133
1236	12.1	12.8	2.0605	0	-0.0039	2.0566	0.1343	0	0.0536	0.1879
1237	12.7	12.8	2.0604	0	-0.0048	2.0556	0.1319	0	0.0063	0.1382
1238	12.7	12.8	2.0603	0	-0.0045	2.0558	0.125	0	-0.0304	0.0946
1239	12.3	12.8	2.0601	0	-0.004	2.0561	0.1237	0	-0.0339	0.0898
1240	12.3	12.9	2.0599	0	-0.0042	2.0557	0.1277	0	-0.0412	0.0864
1241	12.6	12.9	2.0598	0	-0.0044	2.0554	0.1323	0	-0.0532	0.0791
1242	12.8	13	2.0597	0	-0.0039	2.0559	0.138	0	-0.0761	0.0619
1243	12.8	13.1	2.0596	0	-0.0027	2.0569	0.1458	0	-0.0876	0.0582
1244	12.4	13.1	2.0593	0	-0.001	2.0583	0.1432	0	-0.1036	0.0396
1245	14	13.1	2.0586	0	-0.0004	2.0582	0.1423	0	-0.0843	0.058
1246	13.4	13.2	2.0579	0	0.0044	2.0624	0.1447	0	-0.1305	0.0143
1247	13.2	13.2	2.0579	0	0.0027	2.0606	0.1401	0	-0.1359	0.0042
1248	13.6	13.2	2.0575	0	-0.0006	2.057	0.1384	0	-0.1136	0.0248
1249	13.8	13.2	2.0575	0	-0.0004	2.0571	0.1387	0	-0.0804	0.0583

1250	13.8	13.2	2.0576	0	0.0001	2.0576	0.1393	0	-0.0537	0.0856
1251	13.9	13.2	2.0574	0	0.0013	2.0586	0.1424	0	-0.0446	0.0978
1252	14	13.2	2.0572	0	0.0039	2.0611	0.1458	0	-0.058	0.0878
1253	13.9	13.2	2.057	0	0.0047	2.0617	0.1439	0	-0.0844	0.0595
1254	12.9	13.3	2.0567	0	0.0048	2.0615	0.1402	0	-0.1102	0.03
1255	13.2	13.2	2.0567	0	0.0037	2.0604	0.1356	0	-0.046	0.0896
1256	12.5	13.1	2.0565	0	0.0032	2.0598	0.1327	0	-0.0502	0.0824
1257	12.4	13.1	2.0566	0	0.0031	2.0597	0.1272	0	-0.0392	0.088
1258	12.6	13	2.0566	0	0.0012	2.0578	0.1231	0	-0.0314	0.0917
1259	12.6	13	2.0564	0	-0.0003	2.0561	0.1224	0	-0.0112	0.1112
1260	12.9	12.9	2.0564	0	-0.0001	2.0563	0.124	0	-0.0091	0.115
1261	13.1	12.8	2.0565	0	-0.0003	2.0561	0.1268	0	-0.0435	0.0833
1262	13	12.8	2.0562	0	-0.0027	2.0535	0.1311	0	-0.0425	0.0886
1263	12.9	12.7	2.0559	0	-0.005	2.0509	0.1371	0	-0.0199	0.1172
1264	12.7	12.7	2.0558	0	-0.0043	2.0515	0.1398	0	-0.0345	0.1053
1265	12.4	12.7	2.0559	0	-0.0035	2.0524	0.1428	0	-0.0211	0.1217
1266	12.6	12.7	2.0557	0	-0.0025	2.0532	0.1453	0	-0.0051	0.1403
1267	12.3	12.7	2.0557	0	-0.0016	2.0541	0.1453	0	-0.0014	0.1439
1268	12.2	12.8	2.0556	0	0.0013	2.0568	0.144	0	0.008	0.152
1269	12.8	12.8	2.0554	0	0.0019	2.0573	0.1421	0	0.0093	0.1514
1270	12.7	12.8	2.0553	0	0.0019	2.0571	0.1425	0	0.0304	0.1729
1271	12.3	12.8	2.0553	0	0.0009	2.0563	0.1414	0	0.0484	0.1898
1272	12.8	12.8	2.0556	0	-0.0011	2.0545	0.1398	0	0.0598	0.1995
1273	13.2	12.8	2.0554	0	0.0015	2.0569	0.1355	0	0.0599	0.1954
1274	13	12.9	2.0553	0	0.0009	2.0562	0.1328	0	0.0733	0.2061
1275	12.6	12.9	2.0554	0	0.0004	2.0558	0.1339	0	0.0622	0.196
1276	13.1	12.9	2.055	0	-0.0049	2.0501	0.1377	0	0.0763	0.214
1277	13.1	12.9	2.0547	0	-0.0049	2.0498	0.1354	0	0.0441	0.1795
1278	12.7	13	2.0544	0	-0.004	2.0504	0.1347	0	0.0632	0.1978
1279	13.1	13	2.0542	0	-0.0035	2.0508	0.1387	0	0.0682	0.2069
1280	13.6	13	2.0543	0	-0.003	2.0513	0.1408	0	0.0695	0.2103
1281	13.3	13	2.0542	0	-0.0027	2.0516	0.1389	0	0.0993	0.2382
1282	13.3	13	2.0539	0	-0.0026	2.0513	0.1369	0	0.1073	0.2442
1283	13.4	13	2.0536	0	-0.0028	2.0508	0.1339	0	0.1137	0.2476
1284	12.7	12.9	2.0534	0	-0.0046	2.0488	0.1327	0	0.1309	0.2636
1285	12.8	13	2.0534	0	-0.0043	2.0491	0.1319	0	0.1275	0.2594
1286	13.2	12.9	2.0533	0	-0.0045	2.0488	0.1248	0	0.0942	0.219

1287	12.8	12.9	2.0536	0	-0.0034	2.0501	0.1211	0	0.1063	0.2274
1288	12.8	12.9	2.0536	0	-0.0032	2.0505	0.122	0	0.1166	0.2386
1289	12.9	12.8	2.0536	0	-0.0041	2.0495	0.1244	0	0.1225	0.2469
1290	13	12.8	2.0534	0	-0.0047	2.0488	0.1273	0	0.11	0.2373
1291	13	12.7	2.0531	0	-0.0043	2.0489	0.1304	0	0.1063	0.2367
1292	12.1	12.6	2.0526	0	-0.0039	2.0487	0.1321	0	0.108	0.24
1293	12.6	12.5	2.0527	0	-0.0039	2.0488	0.1333	0	0.1	0.2333
1294	13	12.5	2.0525	0	-0.0055	2.0471	0.1333	0	0.0924	0.2257
1295	12.2	12.5	2.0519	0	-0.002	2.05	0.1319	0	0.0951	0.227
1296	12.4	12.4	2.052	0	-0.0012	2.0508	0.1262	0	0.1065	0.2327
1297	12.4	12.4	2.0522	0	-0.0018	2.0504	0.121	0	0.1887	0.3097
1298	12.4	12.4	2.0522	0	-0.0037	2.0485	0.121	0	0.1986	0.3196
1299	12.2	12.3	2.0519	0	-0.0057	2.0462	0.1178	0	0.1646	0.2824
1300	11.7	12.3	2.0513	0	-0.006	2.0453	0.1189	0	0.154	0.2729
1301	11.5	12.3	2.0507	0	-0.0045	2.0462	0.1217	0	0.1486	0.2702
1302	12.1	12.3	2.0505	0	-0.0041	2.0464	0.121	0	0.1502	0.2712
1303	12.4	12.3	2.0503	0	0	2.0503	0.1216	0	0.1885	0.3101
1304	12.1	12.2	2.0505	0	-0.0035	2.0469	0.1193	0	0.1828	0.302
1305	12.2	12.3	2.0505	0	-0.0022	2.0483	0.1199	0	0.1505	0.2703
1306	12.3	12.3	2.0507	0	-0.0014	2.0493	0.1244	0	0.1351	0.2595
1307	12.3	12.3	2.0506	0	-0.0007	2.0499	0.1265	0	0.1249	0.2515
1308	12.5	12.3	2.0504	0	-0.0006	2.0499	0.1288	0	0.1163	0.2451
1309	12.5	12.3	2.0502	0	-0.0006	2.0496	0.129	0	0.0941	0.2231
1310	12.1	12.4	2.05	0	-0.0002	2.0499	0.1273	0	0.0752	0.2025
1311	12.5	12.4	2.0498	0	-0.0016	2.0482	0.1287	0	0.0748	0.2035
1312	12.1	12.4	2.0495	0	-0.0036	2.046	0.1315	0	0.0829	0.2144
1313	12.6	12.4	2.0493	0	-0.0023	2.047	0.1291	0	0.0444	0.1735
1314	13.2	12.4	2.0493	0	-0.0028	2.0465	0.1239	0	0.0275	0.1514
1315	12.6	12.4	2.0492	0	-0.0028	2.0464	0.1232	0	0.0262	0.1494
1316	12.4	12.4	2.049	0	-0.004	2.045	0.1276	0	0.025	0.1526
1317	12.6	12.4	2.049	0	-0.0049	2.0441	0.1324	0	0.0567	0.1891
1318	12.6	12.4	2.0491	0	-0.0047	2.0445	0.1377	0	0.0676	0.2053
1319	12.6	12.3	2.049	0	-0.005	2.0439	0.1405	0	0.0816	0.2221
1320	12.3	12.4	2.0488	0	-0.0055	2.0433	0.1393	0	0.0781	0.2174
1321	11.8	12.5	2.0484	0	-0.0082	2.0402	0.1337	0	0.0593	0.193
1322	12	12.5	2.0484	0	-0.0089	2.0395	0.1309	0	0.0249	0.1557
1323	11.3	12.5	2.0484	0	-0.009	2.0394	0.1285	0	0.0283	0.1568

1324	12.5	12.4	2.0481	0	-0.0087	2.0394	0.126	0	0.0621	0.1881
1325	12.7	12.5	2.0478	0	-0.0086	2.0392	0.1283	0	0.0528	0.181
1326	12.4	12.5	2.0476	0	-0.0074	2.0402	0.1321	0	0.0445	0.1766
1327	12.1	12.5	2.0473	0	-0.0069	2.0404	0.1327	0	-0.0235	0.1092
1328	12.1	12.5	2.0468	0	-0.0077	2.0391	0.1351	0	-0.0028	0.1324
1329	13.1	12.5	2.0466	0	-0.0083	2.0382	0.1365	0	0.0188	0.1553
1330	13.7	12.5	2.0468	0	-0.0109	2.0359	0.1392	0	0.0207	0.1599
1331	12.7	12.6	2.0471	0	-0.0125	2.0346	0.1427	0	0.046	0.1887
1332	12.5	12.6	2.0473	0	-0.0142	2.033	0.1389	0	0.0469	0.1858
1333	12.4	12.7	2.0476	0	-0.0142	2.0334	0.122	0	0.0295	0.1514
1334	13.2	12.7	2.0477	0	-0.0137	2.034	0.1095	0	0.0395	0.149
1335	13.4	12.7	2.0481	0	-0.0134	2.0347	0.1045	0	0.056	0.1606
1336	12.9	12.6	2.0484	0	-0.0146	2.0338	0.11	0	0.0794	0.1894
1337	12.6	12.6	2.0482	0	-0.0165	2.0317	0.1112	0	0.1078	0.219
1338	12.5	12.6	2.0478	0	-0.0167	2.0311	0.1103	0	0.153	0.2634
1339	12.2	12.5	2.0474	0	-0.015	2.0323	0.1076	0	0.1795	0.2871
1340	12.7	12.4	2.0469	0	-0.0149	2.032	0.107	0	0.1997	0.3067
1341	13.1	12.4	2.0466	0	-0.0152	2.0314	0.1104	0	0.2221	0.3325
1342	12.2	12.4	2.0464	0	-0.0139	2.0325	0.1144	0	0.1956	0.31
1343	12.4	12.4	2.0462	0	-0.0119	2.0343	0.1171	0	0.173	0.2901
1344	12	12.4	2.0461	0	-0.0105	2.0356	0.1259	0	0.1296	0.2555
1345	11.7	12.4	2.046	0	-0.0111	2.0349	0.1282	0	0.0894	0.2176
1346	11.8	12.4	2.0458	0	-0.0144	2.0314	0.1258	0	0.1236	0.2494
1347	12	12.4	2.0458	0	-0.0171	2.0287	0.1293	0	0.1429	0.2721
1348	11.9	12.3	2.0458	0	-0.017	2.0287	0.1341	0	0.1396	0.2737
1349	11.9	12.3	2.0456	0	-0.0158	2.0298	0.1352	0	0.117	0.2523
1350	12.1	12.3	2.0454	0	-0.0148	2.0306	0.1314	0	0.1001	0.2315
1351	12.8	12.3	2.0453	0	-0.0138	2.0315	0.128	0	0.088	0.216
1352	11.9	12.3	2.045	0	-0.0149	2.0301	0.1228	0	0.0701	0.1928
1353	13	12.3	2.0451	0	-0.0136	2.0315	0.1219	0	0.0989	0.2208
1354	13.1	12.3	2.0447	0	-0.0103	2.0344	0.1238	0	0.1265	0.2503
1355	12.7	12.3	2.0443	0	-0.0098	2.0344	0.1258	0	0.0674	0.1931
1356	12.7	12.4	2.0439	0	-0.0092	2.0346	0.1275	0	0.0811	0.2086
1357	12.3	12.4	2.0437	0	-0.0085	2.0352	0.132	0	0.0815	0.2135
1358	11.9	12.4	2.0437	0	-0.0082	2.0355	0.1323	0	0.0813	0.2136
1359	12.5	12.5	2.0437	0	-0.0079	2.0358	0.1325	0	0.0782	0.2106
1360	12.5	12.5	2.0435	0	-0.0076	2.0359	0.1345	0	0.0785	0.213

1361	12.2	12.5	2.0433	0	-0.0086	2.0347	0.1362	0	0.0881	0.2242
1362	12.2	12.5	2.0433	0	-0.0071	2.0362	0.1382	0	0.064	0.2022
1363	12.2	12.5	2.0435	0	-0.0077	2.0357	0.1373	0	0.0312	0.1685
1364	12.4	12.5	2.0435	0	-0.0069	2.0366	0.1374	0	0.0713	0.2087
1365	13.1	12.5	2.0431	0	-0.006	2.0371	0.1425	0	0.0364	0.1789
1366	12.4	12.5	2.0425	0	-0.0082	2.0343	0.1432	0	0.0352	0.1783
1367	12.3	12.5	2.0419	0	-0.0083	2.0336	0.1429	0	0.0187	0.1616
1368	12.6	12.5	2.0415	0	-0.0069	2.0346	0.1433	0	-0.0045	0.1388
1369	12.5	12.5	2.0415	0	-0.0059	2.0356	0.1433	0	-0.015	0.1283
1370	12.5	12.5	2.0419	0	-0.0041	2.0378	0.1388	0	-0.0304	0.1084
1371	12.8	12.5	2.0423	0	-0.0016	2.0407	0.135	0	-0.0343	0.1007
1372	12.8	12.4	2.0427	0	-0.0039	2.0388	0.1312	0	-0.0376	0.0936
1373	12.3	12.4	2.0428	0	-0.0047	2.0381	0.1288	0	-0.0256	0.1033
1374	12.8	12.5	2.0425	0	-0.0044	2.0381	0.1282	0	-0.0181	0.11
1375	12.5	12.4	2.0422	0	-0.004	2.0382	0.1271	0	-0.0054	0.1217
1376	12.5	12.4	2.0417	0	-0.0025	2.0392	0.1242	0	0.0123	0.1365
1377	12.2	12.4	2.0412	0	-0.0046	2.0365	0.1225	0	0.0194	0.1419
1378	12	12.4	2.0407	0	-0.0059	2.0348	0.1222	0	0.0331	0.1553
1379	12.3	12.4	2.0403	0	-0.0055	2.0348	0.1177	0	0.0363	0.154
1380	12.3	12.4	2.04	0	-0.0076	2.0324	0.1127	0	0.0461	0.1588
1381	11.6	12.4	2.0403	0	-0.0074	2.033	0.1126	0	0.0357	0.1483
1382	12.4	12.3	2.0417	0	-0.0056	2.0362	0.1153	0	0.0425	0.1578
1383	12.5	12.3	2.0426	0	-0.0067	2.0359	0.1205	0	0.0629	0.1834
1384	12.7	12.2	2.043	0	-0.0102	2.0328	0.1261	0	0.0597	0.1858
1385	12.3	12.1	2.0424	0	-0.0122	2.0302	0.125	0	0.0578	0.1828
1386	12.3	12.1	2.0422	0	-0.0153	2.0269	0.1303	0	0.0468	0.1771
1387	12.5	12	2.0425	0	-0.0187	2.0238	0.133	0	0.0301	0.1631
1388	12.5	12	2.0429	0	-0.0211	2.0218	0.132	0	0.0035	0.1354
1389	12.2	11.9	2.0429	0	-0.024	2.0188	0.1289	0	-0.0151	0.1138
1390	12	11.8	2.0424	0	-0.0269	2.0155	0.1257	0	-0.003	0.1226
1391	12.5	11.7	2.0417	0	-0.0238	2.0179	0.1216	0	-0.0136	0.108
1392	11.3	11.6	2.0409	0	-0.0212	2.0197	0.1189	0	-0.0347	0.0842
1393	11.7	11.5	2.0401	0	-0.0169	2.0232	0.1177	0	-0.0303	0.0874
1394	11.1	11.4	2.0397	0	-0.0144	2.0253	0.1187	0	-0.0232	0.0956
1395	11.1	11.3	2.0393	0	-0.0143	2.025	0.1235	0	-0.0047	0.1188
1396	11.1	11.2	2.0391	0	-0.0155	2.0236	0.1247	0	-0.0025	0.1222
1397	11	11.2	2.0388	0	-0.0158	2.023	0.1244	0	-0.0254	0.0989

1398	10.8	11.1	2.0387	0	-0.0154	2.0232	0.1248	0	-0.043	0.0818
1399	10.2	11.1	2.0387	0	-0.0157	2.023	0.1268	0	-0.0301	0.0967
1400	10.1	11.1	2.0385	0	-0.0148	2.0237	0.1263	0	-0.0192	0.107
1401	10.2	11.1	2.0384	0	-0.0115	2.0269	0.1244	0	-0.0105	0.1139
1402	10.6	11.3	2.0383	0	-0.014	2.0243	0.1238	0	0.0062	0.13
1403	10.5	11.3	2.0379	0	-0.0126	2.0253	0.1215	0	0.0079	0.1294
1404	11.1	11.4	2.0379	0	-0.0103	2.0276	0.1229	0	0.0399	0.1628
1405	11.2	11.5	2.0378	0	-0.0103	2.0274	0.1188	0	0.0876	0.2064
1406	11.4	11.6	2.0375	0	-0.0096	2.0279	0.1128	0	0.0977	0.2105
1407	11.5	11.7	2.0374	0	-0.0089	2.0285	0.1117	0	0.1334	0.2451
1408	11.5	11.8	2.0372	0	-0.0084	2.0288	0.1091	0	0.1482	0.2573
1409	12.1	11.9	2.0368	0	-0.0084	2.0283	0.1115	0	0.1584	0.2698
1410	13.2	12.1	2.0364	0	-0.009	2.0275	0.1132	0	0.1582	0.2714
1411	13.6	12.2	2.036	0	-0.008	2.028	0.113	0	0.157	0.27
1412	13.5	12.3	2.0358	0	-0.0067	2.0291	0.1143	0	0.1463	0.2606
1413	13	12.4	2.0356	0	-0.0094	2.0261	0.1179	0	0.1629	0.2808
1414	12.7	12.4	2.0351	0	-0.0065	2.0286	0.1219	0	0.158	0.2799
1415	12.6	12.5	2.0349	0	-0.0064	2.0286	0.1251	0	0.1696	0.2947
1416	12.4	12.6	2.0348	0	-0.0059	2.0289	0.1245	0	0.1801	0.3046
1417	12.7	12.6	2.0347	0	-0.0044	2.0303	0.1191	0	0.138	0.2571
1418	13.1	12.7	2.0348	0	-0.0032	2.0316	0.1153	0	0.1211	0.2364
1419	12.8	12.7	2.0351	0	-0.002	2.0331	0.113	0	0.1225	0.2356
1420	12.3	12.6	2.0353	0	-0.0021	2.0332	0.1087	0	0.1398	0.2485
1421	12.6	12.5	2.0353	0	-0.0044	2.0308	0.1098	0	0.1595	0.2693
1422	12.2	12.5	2.0355	0	-0.0064	2.0292	0.1102	0	0.1861	0.2963
1423	12	12.4	2.0356	0	-0.0072	2.0284	0.1135	0	0.1666	0.2801
1424	12.5	12.4	2.0354	0	-0.0082	2.0272	0.1165	0	0.1597	0.2763
1425	12.8	12.3	2.0354	0	-0.0098	2.0256	0.1164	0	0.1563	0.2727
1426	12.4	12.3	2.0354	0	-0.0094	2.026	0.1142	0	0.1477	0.2619
1427	12.2	12.2	2.0351	0	-0.0102	2.0249	0.1071	0	0.1536	0.2607
1428	12.3	12.2	2.0351	0	-0.0114	2.0237	0.1008	0	0.1217	0.2225
1429	12	12.1	2.0353	0	-0.0129	2.0224	0.0981	0	0.0801	0.1782
1430	11.9	12.1	2.0356	0	-0.0145	2.0211	0.0959	0	0.0807	0.1766
1431	12.4	12	2.0356	0	-0.0168	2.0188	0.0933	0	0.0575	0.1508
1432	12.4	12	2.0352	0	-0.0205	2.0147	0.0964	0	0.0665	0.1629
1433	11.2	11.9	2.035	0	-0.0202	2.0148	0.1116	0	0.0878	0.1994
1434	12.3	11.9	2.0352	0	-0.0195	2.0157	0.1233	0	0.0738	0.1972

1435	11.5	11.8	2.0351	0	-0.0181	2.017	0.1282	0	0.0393	0.1675
1436	11.5	11.7	2.0351	0	-0.0176	2.0175	0.122	0	0.0195	0.1416
1437	12.1	11.7	2.035	0	-0.0168	2.0182	0.1204	0	-0.0171	0.1033
1438	11.7	11.6	2.0349	0	-0.0152	2.0197	0.126	0	-0.047	0.079
1439	11.3	11.6	2.0348	0	-0.0147	2.0201	0.1352	0	-0.0805	0.0547
1440	11.2	11.6	2.0347	0	-0.0135	2.0212	0.1431	0	-0.0932	0.0499
1441	11.4	11.5	2.0347	0	-0.0118	2.0229	0.1457	0	-0.1148	0.0309
1442	11.6	11.5	2.0346	0	-0.0108	2.0238	0.143	0	-0.0773	0.0657
1443	11.1	11.5	2.0344	0	-0.0096	2.0248	0.1387	0	-0.0417	0.097
1444	10.9	11.4	2.0338	0	-0.0101	2.0237	0.1332	0	0.004	0.1372
1445	11.3	11.4	2.0335	0	-0.0108	2.0227	0.13	0	0.0252	0.1551
1446	11.5	11.4	2.0334	0	-0.0119	2.0215	0.1283	0	0.0208	0.1491
1447	11.3	11.5	2.0333	0	-0.0128	2.0205	0.128	0	0.0021	0.1302
1448	11.7	11.5	2.0331	0	-0.014	2.0191	0.123	0	-0.0128	0.1102
1449	11.9	11.5	2.033	0	-0.0139	2.0191	0.1204	0	-0.017	0.1034
1450	11.6	11.5	2.0329	0	-0.0138	2.0192	0.1172	0	-0.0148	0.1024
1451	11.3	11.6	2.0329	0	-0.0144	2.0185	0.113	0	-0.0235	0.0895
1452	11.3	11.6	2.0329	0	-0.0157	2.0171	0.1088	0	-0.0062	0.1026
1453	11.4	11.6	2.0328	0	-0.0176	2.0152	0.1076	0	-0.0348	0.0728
1454	11.5	11.6	2.0328	0	-0.0191	2.0138	0.1043	0	-0.0158	0.0885
1455	11.2	11.7	2.033	0	-0.0196	2.0134	0.1045	0	0.0183	0.1228
1456	12.5	11.7	2.0327	0	-0.0226	2.0101	0.1035	0	0.0236	0.1271
1457	11.6	11.8	2.0328	0	-0.0233	2.0095	0.101	0	0.0301	0.1311
1458	11.9	11.8	2.0326	0	-0.0241	2.0085	0.1	0	0.0381	0.1381
1459	12.2	11.8	2.0324	0	-0.0237	2.0087	0.0982	0	0.0376	0.1358
1460	12.1	11.8	2.0322	0	-0.0233	2.0089	0.0989	0	0.0315	0.1304
1461	11.9	11.9	2.0319	0	-0.0233	2.0086	0.0962	0	0.0118	0.108
1462	11.7	11.9	2.0315	0	-0.0234	2.0081	0.094	0	0.0073	0.1013
1463	11.5	11.8	2.0313	0	-0.0235	2.0078	0.0978	0	0.0216	0.1195
1464	11.8	11.9	2.031	0	-0.0238	2.0071	0.0985	0	-0.0032	0.0954
1465	12.7	11.9	2.0307	0	-0.024	2.0066	0.0946	0	0.0342	0.1288
1466	12.2	11.9	2.0306	0	-0.022	2.0086	0.0959	0	0.0475	0.1435
1467	12.4	12	2.0304	0	-0.0204	2.01	0.0973	0	0.0693	0.1665
1468	12	12	2.0302	0	-0.0192	2.0111	0.0969	0	0.1003	0.1973
1469	11.8	11.9	2.0306	0	-0.0199	2.0107	0.0942	0	0.111	0.2052
1470	11.7	11.9	2.0309	0	-0.02	2.0109	0.0925	0	0.1161	0.2086
1471	11.3	12	2.0312	0	-0.0202	2.0111	0.0916	0	0.1155	0.2071

1472	11.2	12	2.0314	0	-0.0205	2.0108	0.0918	0	0.0916	0.1834
1473	11.6	12.1	2.0311	0	-0.0207	2.0105	0.0974	0	0.0547	0.1521
1474	12.1	12.1	2.0308	0	-0.02	2.0108	0.1009	0	0.0316	0.1325
1475	12.3	12	2.0308	0	-0.0188	2.012	0.1037	0	0.0191	0.1228
1476	13.1	12	2.031	0	-0.0179	2.0131	0.106	0	0.0005	0.1065
1477	12.5	12	2.0311	0	-0.0168	2.0143	0.1051	0	0.0179	0.123
1478	11.2	12	2.0309	0	-0.0139	2.017	0.1022	0	0.0243	0.1266
1479	11.9	11.9	2.0307	0	-0.0136	2.0171	0.1033	0	0.008	0.1113
1480	12.5	11.9	2.0307	0	-0.0134	2.0173	0.1047	0	-0.0031	0.1016
1481	12.5	11.9	2.0307	0	-0.014	2.0167	0.1061	0	-0.0316	0.0745
1482	12.4	11.9	2.0306	0	-0.0143	2.0162	0.1096	0	-0.0339	0.0757
1483	11.9	11.9	2.0303	0	-0.0141	2.0162	0.1064	0	-0.079	0.0274
1484	11.5	11.9	2.0301	0	-0.0141	2.016	0.1042	0	-0.0677	0.0366
1485	11.9	11.8	2.0302	0	-0.0142	2.016	0.108	0	-0.0584	0.0496
1486	12.2	11.7	2.0302	0	-0.0136	2.0166	0.1075	0	-0.0463	0.0611
1487	11.7	11.7	2.0299	0	-0.014	2.0159	0.107	0	-0.0532	0.0538
1488	10.9	11.7	2.0294	0	-0.0131	2.0163	0.1063	0	-0.049	0.0572
1489	11.3	11.7	2.0285	0	-0.0147	2.0138	0.1053	0	-0.0221	0.0832
1490	11.4	11.6	2.0278	0	-0.0154	2.0124	0.1039	0	-0.021	0.0828
1491	11.1	11.6	2.0274	0	-0.0161	2.0113	0.1033	0	-0.0098	0.0935
1492	11.3	11.6	2.027	0	-0.017	2.01	0.106	0	-0.0058	0.1001
1493	11.7	11.5	2.0268	0	-0.0173	2.0095	0.1036	0	-0.0073	0.0963
1494	11.6	11.5	2.0267	0	-0.0169	2.0098	0.1014	0	-0.0191	0.0823
1495	11.3	11.5	2.0265	0	-0.0164	2.0101	0.0957	0	-0.0266	0.0691
1496	11.4	11.5	2.0263	0	-0.0157	2.0106	0.0962	0	-0.0337	0.0624
1497	11.9	11.4	2.0265	0	-0.0145	2.012	0.0982	0	-0.0481	0.0501
1498	12	11.5	2.0266	0	-0.0137	2.0129	0.0991	0	-0.0543	0.0447
1499	11.2	11.5	2.027	0	-0.0142	2.0128	0.0978	0	-0.0519	0.0459
1500	12	11.4	2.0272	0	-0.0124	2.0148	0.097	0	-0.037	0.06
1501	11.2	11.4	2.0275	0	-0.0109	2.0166	0.0959	0	-0.035	0.0609
1502	11.4	11.4	2.0275	0	-0.0105	2.017	0.0932	0	-0.0527	0.0405
1503	11.9	11.4	2.0275	0	-0.011	2.0165	0.0946	0	-0.0644	0.0302
1504	11.6	11.3	2.0275	0	-0.0121	2.0154	0.094	0	-0.0648	0.0292
1505	11	11.3	2.0274	0	-0.0127	2.0147	0.0984	0	-0.0882	0.0103
1506	11.3	11.3	2.0274	0	-0.0126	2.0148	0.1037	0	-0.1089	-0.0052
1507	11.6	11.3	2.0274	0	-0.0127	2.0147	0.1033	0	-0.1445	-0.0412
1508	10.7	11.3	2.0273	0	-0.0121	2.0152	0.1066	0	-0.1506	-0.0441

1509	10.8	11.3	2.0269	0	-0.0116	2.0153	0.1069	0	-0.1644	-0.0575
1510	11.2	11.3	2.0268	0	-0.0102	2.0167	0.1065	0	-0.1706	-0.0641
1511	11	11.2	2.0266	0	-0.0087	2.0179	0.1059	0	-0.1651	-0.0592
1512	10.7	11.2	2.026	0	-0.0088	2.0172	0.1033	0	-0.1604	-0.0571
1513	11.1	11.2	2.0257	0	-0.0091	2.0166	0.0983	0	-0.1803	-0.082
1514	11.4	11.2	2.0256	0	-0.0099	2.0157	0.0979	0	-0.1944	-0.0965
1515	11.5	11.2	2.0253	0	-0.0111	2.0142	0.0923	0	-0.1966	-0.1043
1516	11.3	11.2	2.025	0	-0.0128	2.0122	0.0909	0	-0.195	-0.1041
1517	11.4	11.2	2.025	0	-0.0145	2.0105	0.0903	0	-0.1602	-0.0699
1518	11.7	11.3	2.0254	0	-0.0143	2.0111	0.089	0	-0.1428	-0.0538
1519	11	11.3	2.0258	0	-0.0136	2.0122	0.0901	0	-0.1359	-0.0458
1520	11	11.4	2.0261	0	-0.0136	2.0125	0.0975	0	-0.1329	-0.0354
1521	11.1	11.4	2.0261	0	-0.0136	2.0125	0.1022	0	-0.1197	-0.0175
1522	11.7	11.5	2.0258	0	-0.0118	2.0139	0.1063	0	-0.1205	-0.0141
1523	11.6	11.6	2.0255	0	-0.0103	2.0151	0.1075	0	-0.1414	-0.0338
1524	11.1	11.6	2.025	0	-0.0101	2.0149	0.1072	0	-0.1336	-0.0264
1525	11.3	11.6	2.0248	0	-0.0099	2.0149	0.106	0	-0.136	-0.03
1526	11.7	11.6	2.0249	0	-0.0111	2.0137	0.1064	0	-0.1167	-0.0103
1527	11.7	11.6	2.0249	0	-0.0127	2.0122	0.1097	0	-0.1271	-0.0174
1528	11.7	11.6	2.0247	0	-0.0122	2.0126	0.1094	0	-0.127	-0.0176
1529	12.1	11.6	2.0248	0	-0.0126	2.0122	0.1085	0	-0.0917	0.0168
1530	12.1	11.6	2.025	0	-0.0113	2.0136	0.1106	0	-0.085	0.0256
1531	12.6	11.6	2.0246	0	-0.0134	2.0112	0.1124	0	-0.0711	0.0413
1532	12	11.6	2.0246	0	-0.0126	2.012	0.1187	0	-0.0525	0.0662
1533	12	11.6	2.0246	0	-0.0134	2.0112	0.1239	0	-0.0684	0.0554
1534	11.7	11.6	2.0244	0	-0.0136	2.0108	0.1274	0	-0.058	0.0694
1535	11.4	11.6	2.0244	0	-0.0135	2.0109	0.1248	0	-0.0695	0.0552
1536	11.3	11.6	2.0244	0	-0.0123	2.0121	0.1214	0	-0.0834	0.038
1537	11	11.6	2.0244	0	-0.0119	2.0125	0.1178	0	-0.0804	0.0374
1538	10.9	11.6	2.0244	0	-0.013	2.0114	0.1137	0	-0.0758	0.0379
1539	11.4	11.5	2.0244	0	-0.0126	2.0118	0.1102	0	-0.0547	0.0555
1540	11.6	11.5	2.0244	0	-0.0125	2.0118	0.1078	0	-0.0621	0.0457
1541	11.6	11.5	2.0241	0	-0.0112	2.0129	0.1063	0	-0.0547	0.0516
1542	11.4	11.4	2.0243	0	-0.0101	2.0142	0.1058	0	-0.0479	0.0579
1543	11.5	11.4	2.0242	0	-0.0077	2.0165	0.1012	0	-0.0626	0.0386
1544	11.8	11.4	2.0242	0	-0.0074	2.0168	0.0942	0	-0.0414	0.0528
1545	11.5	11.4	2.0239	0	-0.0074	2.0164	0.093	0	-0.0345	0.0585

1546	11.4	11.4	2.0236	0	-0.0071	2.0165	0.0858	0	-0.0093	0.0765
1547	11.3	11.5	2.0234	0	-0.0074	2.016	0.0825	0	0.0268	0.1093
1548	11	11.5	2.0233	0	-0.0088	2.0145	0.0893	0	0.0481	0.1374
1549	11.3	11.6	2.0233	0	-0.0102	2.0131	0.0933	0	0.0565	0.1499
1550	11.7	11.6	2.0234	0	-0.0103	2.0131	0.0974	0	0.0627	0.16
1551	11.5	11.6	2.0236	0	-0.0091	2.0145	0.0986	0	0.0928	0.1914
1552	11.8	11.6	2.0234	0	-0.0093	2.0141	0.0976	0	0.1045	0.2021
1553	11	11.7	2.0234	0	-0.0111	2.0123	0.0912	0	0.1043	0.1955
1554	11.9	11.6	2.023	0	-0.0102	2.0128	0.09	0	0.0927	0.1827
1555	11.9	11.6	2.0226	0	-0.0087	2.0139	0.094	0	0.0704	0.1644
1556	12.1	11.7	2.0224	0	-0.0081	2.0142	0.0965	0	0.0665	0.1629
1557	11.9	11.7	2.0221	0	-0.0083	2.0139	0.0984	0	0.0536	0.152
1558	11.5	11.8	2.0219	0	-0.0076	2.0142	0.0996	0	0.0352	0.1348
1559	11.6	11.9	2.0217	0	-0.0066	2.0151	0.1	0	0.0342	0.1342
1560	12.2	11.9	2.0216	0	-0.0068	2.0148	0.096	0	0.0378	0.1338
1561	12.3	11.9	2.0215	0	-0.0072	2.0143	0.0954	0	0.0505	0.1459
1562	11.7	11.9	2.0217	0	-0.0054	2.0163	0.0929	0	0.0712	0.164
1563	11.6	11.9	2.0215	0	-0.0041	2.0174	0.0855	0	0.0815	0.167
1564	11.5	11.9	2.0218	0	-0.0042	2.0176	0.0865	0	0.0661	0.1526
1565	12.1	12	2.0216	0	-0.0045	2.0171	0.0868	0	0.0646	0.1515
1566	12.2	11.9	2.0216	0	-0.0059	2.0156	0.0808	0	0.0614	0.1422
1567	12.3	12	2.0215	0	-0.0061	2.0154	0.0758	0	0.045	0.1208
1568	12.4	12	2.0212	0	-0.0056	2.0156	0.0797	0	0.019	0.0987
1569	12	12	2.0208	0	-0.0066	2.0143	0.0864	0	0.0057	0.0921
1570	11.9	12	2.0207	0	-0.0081	2.0126	0.0917	0	0.0129	0.1046
1571	12.2	12	2.0206	0	-0.0081	2.0125	0.0943	0	0.0082	0.1024
1572	11.7	12	2.0206	0	-0.0064	2.0142	0.0916	0	-0.0123	0.0793
1573	11.7	12.1	2.0204	0	-0.0073	2.0131	0.0851	0	0.0203	0.1055
1574	12.1	12.1	2.0202	0	-0.0064	2.0138	0.0841	0	0.0474	0.1316
1575	11.9	12.1	2.0201	0	-0.0071	2.013	0.084	0	0.0483	0.1323
1576	12.3	12	2.02	0	-0.0052	2.0149	0.0811	0	0.0715	0.1527
1577	12.4	12	2.0201	0	-0.0041	2.0161	0.0857	0	0.0679	0.1536
1578	12.1	12	2.0201	0	-0.0047	2.0153	0.087	0	0.0501	0.1371
1579	12	12	2.0197	0	-0.0051	2.0146	0.0899	0	0.0499	0.1399
1580	11.6	12	2.0195	0	-0.0063	2.0132	0.0948	0	0.0461	0.1409
1581	11.5	11.9	2.0188	0	-0.0088	2.0101	0.0987	0	0.0641	0.1628
1582	13	11.9	2.0182	0	-0.0075	2.0107	0.0985	0	0.0423	0.1407

1583	12	11.9	2.0176	0	-0.0083	2.0093	0.0994	0	0.0437	0.1431
1584	11.5	11.8	2.0177	0	-0.0072	2.0105	0.1014	0	0.0478	0.1492
1585	11.5	11.9	2.0181	0	-0.0058	2.0122	0.1038	0	0.0251	0.129
1586	12	11.9	2.0184	0	-0.0055	2.0129	0.1009	0	0.0271	0.128
1587	12.3	11.8	2.0186	0	-0.0065	2.0121	0.1026	0	0.0393	0.1419
1588	12.1	11.8	2.0183	0	-0.0076	2.0107	0.1016	0	0.0502	0.1519
1589	11.7	11.8	2.0178	0	-0.0085	2.0093	0.1033	0	0.0252	0.1286
1590	11.4	11.8	2.0172	0	-0.0099	2.0073	0.105	0	0.0207	0.1257
1591	11.3	11.8	2.0168	0	-0.0113	2.0055	0.107	0	0.0233	0.1304
1592	11.3	11.8	2.0169	0	-0.0108	2.0061	0.108	0	0.0396	0.1477
1593	11	11.7	2.0174	0	-0.0132	2.0042	0.1102	0	0.0665	0.1767
1594	12.2	11.7	2.0174	0	-0.0135	2.0039	0.1115	0	0.0946	0.2061
1595	12.4	11.7	2.0179	0	-0.0155	2.0025	0.1149	0	0.1123	0.2271
1596	12.1	11.6	2.018	0	-0.0184	1.9997	0.1145	0	0.1248	0.2393
1597	11.9	11.6	2.0176	0	-0.0193	1.9983	0.1143	0	0.1209	0.2351
1598	11.4	11.5	2.0173	0	-0.0194	1.9979	0.1131	0	0.1301	0.2432
1599	11.2	11.5	2.0173	0	-0.0205	1.9968	0.1103	0	0.1234	0.2337
1600	11.8	11.5	2.0173	0	-0.0217	1.9956	0.1071	0	0.1195	0.2266
1601	12.3	11.4	2.0178	0	-0.0213	1.9964	0.1055	0	0.1291	0.2346
1602	11.6	11.4	2.0184	0	-0.0209	1.9975	0.1072	0	0.1392	0.2465
1603	11.3	11.5	2.0185	0	-0.0203	1.9982	0.104	0	0.1411	0.2451
1604	10.9	11.4	2.0181	0	-0.0191	1.9989	0.1041	0	0.1478	0.2519
1605	10.7	11.4	2.0178	0	-0.0193	1.9984	0.1018	0	0.1757	0.2775
1606	11.3	11.4	2.0176	0	-0.018	1.9996	0.0989	0	0.1818	0.2808
1607	11.1	11.4	2.0174	0	-0.0162	2.0012	0.0967	0	0.2083	0.3051
1608	10.9	11.4	2.0173	0	-0.0156	2.0018	0.095	0	0.2176	0.3126
1609	11	11.5	2.0173	0	-0.0154	2.0019	0.0932	0	0.2225	0.3156
1610	11	11.5	2.0173	0	-0.0152	2.0021	0.092	0	0.2275	0.3195
1611	11.1	11.4	2.0173	0	-0.0158	2.0015	0.0918	0	0.2223	0.3141
1612	11.6	11.4	2.0174	0	-0.017	2.0005	0.0914	0	0.2179	0.3093
1613	11.8	11.5	2.0171	0	-0.0157	2.0014	0.0932	0	0.2397	0.3328
1614	12	11.5	2.0169	0	-0.0164	2.0005	0.0932	0	0.2529	0.3461
1615	11.9	11.5	2.0172	0	-0.0173	2	0.0975	0	0.2402	0.3378
1616	11.7	11.4	2.0175	0	-0.0173	2.0001	0.096	0	0.2348	0.3308
1617	11.8	11.4	2.017	0	-0.0164	2.0007	0.0971	0	0.191	0.2881
1618	11.9	11.5	2.0167	0	-0.0148	2.0019	0.0964	0	0.1878	0.2842
1619	12	11.5	2.0167	0	-0.0149	2.0018	0.0936	0	0.1866	0.2802

1620	11.8	11.5	2.0167	0	-0.0144	2.0023	0.0913	0	0.1659	0.2572
1621	11.4	11.5	2.0169	0	-0.0124	2.0046	0.0912	0	0.1436	0.2348
1622	11.7	11.5	2.0173	0	-0.0139	2.0034	0.0912	0	0.1249	0.2162
1623	11	11.5	2.0171	0	-0.0151	2.002	0.0923	0	0.1206	0.2128
1624	11.1	11.5	2.0166	0	-0.0149	2.0017	0.0922	0	0.1098	0.202
1625	10.6	11.5	2.0167	0	-0.017	1.9997	0.0913	0	0.1178	0.2091
1626	10.9	11.5	2.0163	0	-0.0179	1.9984	0.0937	0	0.1117	0.2054
1627	11.4	11.6	2.0162	0	-0.0177	1.9985	0.0957	0	0.1494	0.2451
1628	11.3	11.6	2.0157	0	-0.0171	1.9986	0.0988	0	0.1607	0.2596
1629	11.1	11.6	2.0154	0	-0.0172	1.9981	0.0992	0	0.149	0.2482
1630	11.3	11.6	2.0151	0	-0.0178	1.9974	0.0961	0	0.1339	0.2301
1631	11.5	11.6	2.0148	0	-0.0176	1.9971	0.0965	0	0.1107	0.2072
1632	11.5	11.7	2.0147	0	-0.017	1.9977	0.0934	0	0.0869	0.1803
1633	12.1	11.7	2.0145	0	-0.0182	1.9962	0.0839	0	0.1091	0.193
1634	12.8	11.7	2.014	0	-0.0161	1.9979	0.0768	0	0.1087	0.1855
1635	12	11.8	2.0143	0	-0.0162	1.9981	0.0804	0	0.1109	0.1913
1636	12.7	11.8	2.0141	0	-0.0162	1.9979	0.0862	0	0.1278	0.214
1637	11.9	11.8	2.0142	0	-0.017	1.9973	0.0905	0	0.1481	0.2387
1638	11.5	11.8	2.0141	0	-0.0155	1.9985	0.0931	0	0.1515	0.2446
1639	12.2	11.9	2.0139	0	-0.0147	1.9992	0.0914	0	0.1482	0.2397
1640	12.8	11.9	2.0137	0	-0.0149	1.9988	0.084	0	0.1444	0.2283
1641	12.3	11.9	2.0133	0	-0.0151	1.9982	0.0759	0	0.1408	0.2167
1642	11.5	11.9	2.0133	0	-0.0168	1.9965	0.0716	0	0.1438	0.2154
1643	12	11.9	2.0131	0	-0.0171	1.9959	0.071	0	0.1477	0.2187
1644	11.8	11.9	2.0127	0	-0.0186	1.9941	0.0747	0	0.1158	0.1905
1645	11	11.8	2.0124	0	-0.0199	1.9925	0.075	0	0.1018	0.1768
1646	11.4	11.8	2.0122	0	-0.0192	1.993	0.0795	0	0.076	0.1555
1647	11.8	11.8	2.0121	0	-0.0204	1.9917	0.0796	0	0.0462	0.1258
1648	12.2	11.8	2.0123	0	-0.0212	1.9911	0.0749	0	0.0419	0.1169
1649	12.1	11.7	2.0126	0	-0.0222	1.9904	0.0725	0	0.0532	0.1257
1650	11.6	11.6	2.0128	0	-0.0232	1.9896	0.0735	0	0.0464	0.1199
1651	11.3	11.6	2.0129	0	-0.023	1.9898	0.0745	0	0.0316	0.1061
1652	11.6	11.6	2.013	0	-0.0234	1.9896	0.0781	0	0.0377	0.1158
1653	11.6	11.6	2.013	0	-0.0259	1.9871	0.0867	0	0.0363	0.123
1654	11.3	11.5	2.0128	0	-0.0278	1.985	0.0911	0	0.0464	0.1375
1655	12.2	11.5	2.0127	0	-0.0269	1.9858	0.0884	0	0.0687	0.1571
1656	12.1	11.5	2.0127	0	-0.029	1.9837	0.0888	0	0.0685	0.1573

1657	11.3	11.4	2.0126	0	-0.03	1.9826	0.0868	0	0.0702	0.157
1658	11	11.4	2.0125	0	-0.0299	1.9827	0.086	0	0.0855	0.1715
1659	11	11.4	2.0125	0	-0.0294	1.9831	0.0865	0	0.0961	0.1826
1660	11.4	11.4	2.0125	0	-0.029	1.9834	0.0862	0	0.0998	0.186
1661	11.9	11.4	2.0124	0	-0.029	1.9834	0.0843	0	0.1003	0.1846
1662	11.7	11.4	2.0124	0	-0.0293	1.983	0.0832	0	0.0919	0.1751
1663	11.1	11.4	2.0122	0	-0.0294	1.9828	0.0837	0	0.0756	0.1593
1664	10.8	11.5	2.012	0	-0.0282	1.9838	0.0819	0	0.0803	0.1622
1665	10.7	11.5	2.012	0	-0.028	1.984	0.0811	0	0.0848	0.1659
1666	10.9	11.5	2.0118	0	-0.025	1.9868	0.0853	0	0.055	0.1403
1667	11.3	11.6	2.0119	0	-0.0249	1.9869	0.0868	0	0.0538	0.1405
1668	11.7	11.6	2.0118	0	-0.0242	1.9876	0.0843	0	0.0603	0.1447
1669	11.7	11.6	2.0117	0	-0.0232	1.9885	0.083	0	0.0937	0.1767
1670	11.6	11.7	2.0116	0	-0.0224	1.9891	0.083	0	0.1012	0.1842
1671	11.7	11.7	2.0115	0	-0.0206	1.9909	0.0856	0	0.102	0.1876
1672	12.2	11.7	2.0114	0	-0.0185	1.9929	0.0911	0	0.1272	0.2184
1673	12.5	11.7	2.0112	0	-0.0183	1.9929	0.0937	0	0.1004	0.194
1674	12.4	11.7	2.0111	0	-0.0182	1.9929	0.0921	0	0.0882	0.1802
1675	12.6	11.8	2.0108	0	-0.0183	1.9925	0.0922	0	0.0909	0.183
1676	12.1	11.8	2.0105	0	-0.0201	1.9904	0.0955	0	0.0661	0.1616
1677	11.6	11.8	2.0103	0	-0.0202	1.9901	0.0938	0	0.0582	0.152
1678	11.6	11.7	2.0101	0	-0.0196	1.9905	0.0923	0	0.066	0.1583
1679	11.9	11.7	2.0101	0	-0.0185	1.9915	0.0861	0	0.0717	0.1578
1680	12	11.7	2.0098	0	-0.0173	1.9925	0.0844	0	0.0642	0.1487
1681	11.6	11.6	2.0095	0	-0.0174	1.992	0.0877	0	0.0437	0.1314
1682	12	11.6	2.0098	0	-0.0184	1.9914	0.089	0	0.0297	0.1187
1683	11.3	11.5	2.0099	0	-0.0192	1.9907	0.0888	0	0.0383	0.127
1684	12	11.5	2.0096	0	-0.0183	1.9914	0.0875	0	0.0219	0.1094
1685	11	11.4	2.0094	0	-0.0186	1.9908	0.0812	0	0.0435	0.1247
1686	10.5	11.4	2.0093	0	-0.0203	1.989	0.0853	0	0.0558	0.1411
1687	10.8	11.4	2.0092	0	-0.0216	1.9876	0.0844	0	0.0678	0.1522
1688	11	11.3	2.0092	0	-0.0224	1.9868	0.0848	0	0.0762	0.161
1689	11.1	11.3	2.0094	0	-0.0229	1.9864	0.0831	0	0.1009	0.184
1690	11.2	11.2	2.0096	0	-0.024	1.9856	0.0813	0	0.1252	0.2066
1691	11.5	11.2	2.0097	0	-0.0257	1.984	0.077	0	0.1537	0.2307
1692	11.4	11.2	2.0098	0	-0.0255	1.9843	0.0712	0	0.1569	0.2282
1693	10.9	11.1	2.0099	0	-0.0247	1.9852	0.0726	0	0.1523	0.2249

1694	11.8	11.1	2.0099	0	-0.0237	1.9862	0.0715	0	0.1326	0.2041
1695	11.4	11.1	2.01	0	-0.0231	1.9869	0.0711	0	0.1125	0.1836
1696	10.8	11.2	2.0101	0	-0.023	1.9871	0.07	0	0.093	0.163
1697	10.7	11.2	2.0101	0	-0.0235	1.9866	0.0682	0	0.0898	0.158
1698	11.2	11.2	2.01	0	-0.0247	1.9853	0.0689	0	0.0566	0.1255
1699	11.4	11.3	2.0099	0	-0.0251	1.9848	0.0717	0	0.0368	0.1086
1700	11.2	11.3	2.0099	0	-0.0248	1.985	0.0754	0	0.0457	0.1211
1701	11	11.3	2.0099	0	-0.0251	1.9849	0.0787	0	0.055	0.1337
1702	10.9	11.4	2.0097	0	-0.0246	1.9852	0.0776	0	0.0538	0.1313
1703	10.8	11.4	2.0094	0	-0.0249	1.9845	0.0763	0	0.067	0.1433
1704	11.6	11.3	2.0092	0	-0.026	1.9832	0.0727	0	0.0691	0.1418
1705	11.9	11.3	2.0089	0	-0.0262	1.9827	0.0687	0	0.0491	0.1178
1706	11.3	11.3	2.0089	0	-0.025	1.9839	0.0666	0	0.0512	0.1177
1707	11.4	11.3	2.0088	0	-0.0247	1.9841	0.066	0	0.0104	0.0764
1708	11.9	11.3	2.0087	0	-0.0252	1.9835	0.0657	0	-0.019	0.0467
1709	11.9	11.3	2.0087	0	-0.0254	1.9833	0.0672	0	-0.0276	0.0396
1710	11.7	11.3	2.0088	0	-0.0252	1.9836	0.0714	0	-0.0487	0.0227
1711	12.1	11.3	2.0089	0	-0.025	1.9839	0.0725	0	-0.0614	0.0111
1712	11	11.3	2.0091	0	-0.0245	1.9845	0.071	0	-0.0623	0.0087
1713	11.3	11.3	2.0089	0	-0.0238	1.9851	0.0707	0	-0.0818	-0.0111
1714	10.7	11.2	2.0088	0	-0.0248	1.984	0.0721	0	-0.1119	-0.0398
1715	10.8	11.2	2.0087	0	-0.0228	1.986	0.0703	0	-0.096	-0.0257
1716	11	11.2	2.0088	0	-0.0227	1.9861	0.07	0	-0.102	-0.032
1717	11	11.2	2.0086	0	-0.0224	1.9862	0.0694	0	-0.0864	-0.017
1718	10.8	11.2	2.0084	0	-0.0242	1.9842	0.0714	0	-0.1031	-0.0316
1719	10.8	11.2	2.0084	0	-0.025	1.9833	0.0725	0	-0.1056	-0.0332
1720	11	11.2	2.0081	0	-0.0246	1.9835	0.0713	0	-0.0769	-0.0056
1721	11	11.1	2.0078	0	-0.0251	1.9827	0.0707	0	-0.0699	0.0008
1722	10.8	11.1	2.0079	0	-0.0239	1.984	0.0698	0	-0.0483	0.0215
1723	11.1	11.1	2.0079	0	-0.0239	1.984	0.0705	0	-0.0125	0.058
1724	11	11.1	2.0074	0	-0.024	1.9834	0.0706	0	-0.009	0.0616
1725	11.2	11.2	2.0071	0	-0.0236	1.9835	0.0694	0	0.0004	0.0698
1726	11.2	11.1	2.0069	0	-0.0238	1.9832	0.0672	0	0.0021	0.0693
1727	11.7	11.1	2.007	0	-0.0243	1.9827	0.0677	0	-0.018	0.0496
1728	12	11.1	2.0071	0	-0.0243	1.9828	0.0687	0	-0.0153	0.0534
1729	11.9	11.1	2.0069	0	-0.0237	1.9832	0.0674	0	-0.0035	0.064
1730	11.3	11.1	2.0063	0	-0.0221	1.9842	0.0666	0	-0.0153	0.0513

1731	10.7	11.1	2.0059	0	-0.0206	1.9853	0.065	0	0.0133	0.0782
1732	11.1	11.1	2.0058	0	-0.0208	1.985	0.0619	0	0.025	0.0869
1733	11.2	11.1	2.0057	0	-0.0204	1.9853	0.0687	0	0.0129	0.0816
1734	11.4	11.1	2.0059	0	-0.0205	1.9854	0.0703	0	0.0068	0.0772
1735	10.6	11.1	2.0057	0	-0.0218	1.984	0.0687	0	0.0183	0.087
1736	10.6	11	2.0057	0	-0.023	1.9827	0.068	0	0.0145	0.0825
1737	10.8	11	2.0058	0	-0.0246	1.9812	0.0666	0	-0.0105	0.056
1738	11	10.9	2.0058	0	-0.0256	1.9801	0.0667	0	-0.0356	0.0311
1739	10.9	10.9	2.0058	0	-0.0272	1.9785	0.0681	0	-0.0134	0.0547
1740	10.6	10.9	2.006	0	-0.0302	1.9757	0.0707	0	-0.0058	0.0649
1741	10.9	10.9	2.0062	0	-0.0308	1.9753	0.073	0	-0.0134	0.0596
1742	10.9	10.8	2.006	0	-0.032	1.974	0.0728	0	-0.0353	0.0375
1743	11.4	10.8	2.0059	0	-0.0304	1.9755	0.0748	0	-0.0257	0.0491
1744	10.6	10.8	2.0056	0	-0.0299	1.9757	0.0777	0	-0.009	0.0686
1745	10.2	10.7	2.0054	0	-0.0292	1.9762	0.0826	0	0.0058	0.0884
1746	10.5	10.7	2.0053	0	-0.0281	1.9772	0.0875	0	0.0135	0.1011
1747	10.8	10.7	2.0052	0	-0.0261	1.9792	0.088	0	0.0145	0.1025
1748	11.1	10.7	2.0051	0	-0.0248	1.9803	0.089	0	0.0067	0.0957
1749	11.3	10.7	2.0051	0	-0.0267	1.9783	0.0886	0	-0.0102	0.0784
1750	10.6	10.6	2.0049	0	-0.0287	1.9763	0.0899	0	0.0037	0.0936
1751	10.7	10.6	2.0051	0	-0.0284	1.9767	0.0881	0	0.01	0.0981
1752	10.4	10.5	2.0054	0	-0.0301	1.9753	0.0897	0	0.0076	0.0973
1753	10.6	10.5	2.0057	0	-0.0328	1.9729	0.0885	0	0.0131	0.1016
1754	10.6	10.4	2.0059	0	-0.0327	1.9732	0.0859	0	0.0093	0.0952
1755	10.2	10.4	2.0061	0	-0.032	1.9741	0.0849	0	-0.0016	0.0833
1756	10.5	10.4	2.0061	0	-0.03	1.9761	0.0822	0	-0.0035	0.0787
1757	10.6	10.3	2.0061	0	-0.0281	1.9779	0.0831	0	0.0093	0.0924
1758	10.1	10.3	2.0058	0	-0.0271	1.9787	0.0836	0	0.0118	0.0954
1759	10.2	10.2	2.0054	0	-0.0245	1.9809	0.083	0	0.0074	0.0904
1760	10.3	10.2	2.0052	0	-0.0229	1.9823	0.0837	0	0.0054	0.0891
1761	9.79	10.2	2.0053	0	-0.0228	1.9825	0.0863	0	0.0068	0.0931
1762	9.75	10.3	2.0053	0	-0.0212	1.9841	0.0886	0	0.0095	0.0981
1763	10.4	10.3	2.005	0	-0.0182	1.9868	0.091	0	0.0148	0.1057
1764	10.1	10.3	2.005	0	-0.0186	1.9864	0.09	0	0.0239	0.114
1765	9.46	10.3	2.005	0	-0.0178	1.9872	0.09	0	0.0116	0.1016
1766	9.8	10.3	2.0049	0	-0.0164	1.9885	0.09	0	0.0364	0.1264
1767	10.2	10.4	2.0047	0	-0.0146	1.9901	0.0918	0	0.0374	0.1292

1768	10.2	10.4	2.0046	0	-0.0137	1.9909	0.0908	0	0.0414	0.1323
1769	10.9	10.5	2.0046	0	-0.0155	1.9891	0.09	0	0.0201	0.1101
1770	10.2	10.5	2.0045	0	-0.0154	1.9891	0.09	0	0.0104	0.1004
1771	10.9	10.6	2.0045	0	-0.0158	1.9887	0.0881	0	0.0154	0.1035
1772	11.2	10.7	2.0043	0	-0.0172	1.9871	0.0856	0	0.0095	0.0951
1773	10.6	10.7	2.0041	0	-0.0174	1.9867	0.0876	0	0.0249	0.1126
1774	10.6	10.8	2.0042	0	-0.0183	1.9859	0.0884	0	0.0252	0.1136
1775	11	10.9	2.004	0	-0.0185	1.9856	0.0835	0	0.0243	0.1078
1776	11.4	11	2.0037	0	-0.0183	1.9854	0.0809	0	0.0294	0.1103
1777	11.4	11.1	2.0034	0	-0.0186	1.9848	0.0794	0	0.0282	0.1076
1778	10.9	11.1	2.0034	0	-0.0193	1.9841	0.0809	0	0.0212	0.1021
1779	11.3	11.2	2.0034	0	-0.017	1.9864	0.0841	0	0.0212	0.1053
1780	10.9	11.2	2.0033	0	-0.0187	1.9846	0.0823	0	0.0307	0.113
1781	11.2	11.2	2.0033	0	-0.0199	1.9834	0.0753	0	0.0531	0.1285
1782	11.3	11.2	2.0029	0	-0.0197	1.9832	0.0697	0	0.076	0.1457
1783	11.7	11.2	2.0029	0	-0.0199	1.983	0.0694	0	0.0738	0.1432
1784	11.5	11.2	2.0028	0	-0.0201	1.9827	0.0693	0	0.0812	0.1505
1785	11.3	11.2	2.0026	0	-0.0201	1.9826	0.0731	0	0.0811	0.1542
1786	11.6	11.2	2.0027	0	-0.0193	1.9834	0.072	0	0.0627	0.1346
1787	11.6	11.2	2.0026	0	-0.0181	1.9845	0.0724	0	0.0448	0.1173
1788	11.7	11.3	2.0024	0	-0.0211	1.9813	0.0745	0	0.0203	0.0948
1789	11.4	11.2	2.0023	0	-0.0224	1.98	0.0757	0	0.0034	0.0791
1790	10.6	11.2	2.0023	0	-0.0227	1.9796	0.0771	0	-0.0225	0.0546
1791	10.9	11.2	2.0024	0	-0.0222	1.9802	0.0817	0	-0.0731	0.0086
1792	11	11.2	2.0023	0	-0.023	1.9794	0.0867	0	-0.0847	0.002
1793	10.9	11.2	2.0021	0	-0.0238	1.9783	0.0851	0	-0.1058	-0.0207
1794	11.1	11.1	2.0016	0	-0.0242	1.9774	0.085	0	-0.08	0.0051
1795	11.2	11	2.0012	0	-0.0244	1.9768	0.081	0	-0.0724	0.0086
1796	11.1	11.1	2.0013	0	-0.0244	1.9768	0.0795	0	-0.0614	0.0181
1797	11.6	11.1	2.0012	0	-0.0242	1.977	0.0793	0	-0.0425	0.0368
1798	11	11.1	2.0012	0	-0.0237	1.9775	0.0783	0	-0.0039	0.0744
1799	10.9	11	2.0009	0	-0.0255	1.9755	0.0776	0	0.0193	0.0969
1800	11.1	11.1	2.0011	0	-0.0258	1.9752	0.0782	0	-0.0173	0.0609