

Test Name	CDR, WC, rep 1
Cladding	Cedar Wood
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 Cedar Wood 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	There were no noticeable observations for this test.
Peak HRR [kW]	27.5
Time to Peak HRR [mins]	7.38
Residual HRR [kW]	1.89
Total HR [MJ]	10.6
Peak dQ/dt [kW/s]	0.138
Time to Peak dQ/dt [s]	5.58

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	-0.00439	-0.00439	2.974	0	-0.0051	2.9689	0.5271	0	1.8125	2.3396
1	0.101	0.103	2.9733	0	-0.0058	2.9676	0.5389	0	1.7887	2.3277
2	0.211	0.114	2.9731	0	-0.0061	2.967	0.5284	0	1.7598	2.2882
3	0.131	0.218	2.9731	0	-0.0097	2.9634	0.5151	0	1.7351	2.2501
4	0.13	0.453	2.973	0	-0.01	2.963	0.5321	0	1.7366	2.2686
5	0.381	0.913	2.9724	0	-0.0084	2.964	0.5539	0	1.698	2.2519
6	0.577	1.52	2.9718	0	-0.0067	2.9651	0.5617	0	1.6615	2.2233
7	0.934	2.18	2.9713	0	-0.0058	2.9655	0.5581	0	1.6269	2.185
8	1.61	2.81	2.9708	0	-0.0056	2.9652	0.5545	0	1.5879	2.1423
9	2.5	3.4	2.9706	0	-0.0057	2.9649	0.5528	0	1.5477	2.1006
10	3.47	3.88	2.9706	0	-0.0064	2.9642	0.5556	0	1.5142	2.0697
11	4.27	4.37	2.9707	0	-0.0074	2.9633	0.5628	0	1.4883	2.0512
12	5.41	4.87	2.9702	0	-0.0075	2.9627	0.5663	0	1.4612	2.0275
13	6.5	5.39	2.9697	0	-0.0082	2.9615	0.5614	0	1.4039	1.9653
14	6.42	5.91	2.9695	0	-0.0084	2.9611	0.5476	0	1.3688	1.9164
15	7.31	6.44	2.9692	0	-0.0086	2.9607	0.537	0	1.3423	1.8794
16	7.79	6.96	2.9688	0	-0.0092	2.9596	0.534	0	1.3286	1.8625
17	8.1	7.49	2.9683	0	-0.0089	2.9594	0.5337	0	1.2987	1.8325
18	8.81	7.99	2.9678	0	-0.009	2.9588	0.5348	0	1.2766	1.8114
19	9.08	8.46	2.9675	0	-0.0091	2.9583	0.5336	0	1.2472	1.7809
20	9.33	8.88	2.9674	0	-0.0089	2.9585	0.5359	0	1.2093	1.7452
21	9.8	9.25	2.9671	0	-0.0088	2.9584	0.5451	0	1.1886	1.7337
22	9.91	9.56	2.9666	0	-0.0093	2.9573	0.5493	0	1.1651	1.7143
23	10.2	9.82	2.9656	0	-0.0096	2.956	0.5578	0	1.1224	1.6802
24	10.4	10.1	2.9646	0	-0.0092	2.9554	0.5638	0	1.1108	1.6746
25	10.5	10.3	2.9638	0	-0.0094	2.9544	0.5672	0	1.0707	1.6378
26	11	10.5	2.9623	0	-0.01	2.9523	0.5671	0	1.0664	1.6334
27	11	10.8	2.9607	0	-0.0103	2.9505	0.5669	0	1.0564	1.6233
28	11.5	10.9	2.9598	0	-0.0107	2.949	0.5831	0	1.0507	1.6338

29	11.5	11.1	2.9587	0	-0.0097	2.949	0.5989	0	1.0443	1.6432
30	11.3	11.2	2.9577	0	-0.0095	2.9482	0.608	0	1.0439	1.6519
31	11.3	11.4	2.9568	0	-0.009	2.9477	0.6114	0	1.0518	1.6632
32	11.4	11.5	2.956	0	-0.0094	2.9466	0.6089	0	1.0448	1.6537
33	11.4	11.6	2.9553	0	-0.0101	2.9452	0.6042	0	1.0136	1.6178
34	11.6	11.8	2.9548	0	-0.0095	2.9453	0.6019	0	0.9865	1.5884
35	12.2	11.9	2.9543	0	-0.0086	2.9457	0.5999	0	0.9787	1.5785
36	12.2	12	2.9535	0	-0.0091	2.9444	0.6052	0	0.9737	1.5789
37	11.8	12.1	2.9533	0	-0.0099	2.9434	0.6057	0	0.9688	1.5745
38	12.1	12.2	2.9533	0	-0.0085	2.9448	0.6071	0	0.9547	1.5618
39	12.5	12.3	2.9532	0	-0.0068	2.9464	0.6067	0	0.9418	1.5485
40	12.4	12.4	2.9525	0	-0.0072	2.9454	0.6061	0	0.925	1.5311
41	12.8	12.5	2.9523	0	-0.0083	2.944	0.6047	0	0.9101	1.5147
42	12.4	12.6	2.9526	0	-0.0087	2.9439	0.6024	0	0.8923	1.4947
43	12.7	12.7	2.9524	0	-0.0091	2.9433	0.6005	0	0.8732	1.4738
44	12.6	12.8	2.9519	0	-0.0085	2.9434	0.5986	0	0.8527	1.4513
45	12.7	12.9	2.951	0	-0.0078	2.9432	0.5965	0	0.8364	1.433
46	13.2	13	2.9498	0	-0.0075	2.9424	0.5975	0	0.829	1.4266
47	13.6	13.1	2.9486	0	-0.0068	2.9418	0.6018	0	0.8216	1.4233
48	13.7	13.2	2.9477	0	-0.006	2.9416	0.6011	0	0.8189	1.4199
49	13.3	13.3	2.9467	0	-0.0062	2.9405	0.6113	0	0.8225	1.4338
50	13.4	13.4	2.9456	0	-0.0068	2.9388	0.6116	0	0.8225	1.4341
51	13.6	13.4	2.9456	0	-0.0071	2.9385	0.6334	0	-0.0667	0.5667
52	13	13.6	2.9458	0	-0.0076	2.9382	0.639	0	-0.0628	0.5762
53	13.1	13.6	2.9444	0	-0.0094	2.935	0.6407	0	-0.0702	0.5705
54	13.9	13.7	2.9426	0	-0.009	2.9336	0.6436	0	-0.1144	0.5293
55	14.3	13.8	2.9416	0	-0.0087	2.933	0.6489	0	-0.1177	0.5312
56	14.1	13.8	2.9413	0	-0.0083	2.9329	0.6491	0	-0.0998	0.5493
57	14	13.9	2.9409	0	-0.0077	2.9332	0.6512	0	-0.0863	0.5649
58	14	13.9	2.9405	0	-0.0069	2.9335	0.6569	0	-0.0814	0.5755
59	14	13.9	2.9398	0	-0.0065	2.9333	0.6646	0	-0.0781	0.5865
60	13.9	14	2.9388	0	-0.0064	2.9324	0.6754	0	-0.0796	0.5958
61	14.3	14	2.938	0	-0.0062	2.9318	0.6842	0	-0.0798	0.6044
62	13.7	14.1	2.9377	0	-0.0041	2.9337	0.6901	0	-0.0731	0.617
63	14.9	14.2	2.938	0	-0.0032	2.9348	0.6921	0	-0.0812	0.6109
64	14.1	14.2	2.9382	0	-0.0029	2.9353	0.6889	0	-0.0761	0.6129
65	13.8	14.2	2.9378	0	-0.0033	2.9345	0.6857	0	-0.085	0.6007

66	14.1	14.2	2.9373	0	-0.0026	2.9347	0.6804	0	-0.0904	0.5901
67	14.1	14.2	2.9367	0	-0.0024	2.9343	0.6794	0	-0.1084	0.571
68	14.1	14.2	2.9363	0	-0.0017	2.9346	0.6764	0	-0.1159	0.5605
69	14.2	14.2	2.9356	0	-0.0003	2.9353	0.6771	0	-0.1203	0.5568
70	14.4	14.1	2.9344	0	0	2.9344	0.6845	0	-0.1188	0.5657
71	15.2	14	2.9335	0	0.0005	2.934	0.6907	0	-0.1103	0.5804
72	14.3	14	2.9324	0	0.0025	2.9348	0.6971	0	-0.1132	0.5839
73	14.5	14	2.9314	0	0.0022	2.9336	0.6949	0	-0.1088	0.5861
74	14.3	13.9	2.9305	0	0.0041	2.9346	0.6939	0	-0.118	0.5759
75	13.6	13.9	2.93	0	0.0033	2.9333	0.6914	0	-0.0924	0.5991
76	13.6	13.9	2.9294	0	0.003	2.9325	0.6926	0	-0.0925	0.6
77	14	13.9	2.9276	0	0.0024	2.93	0.6839	0	-0.0862	0.5977
78	13.6	13.8	2.9258	0	0.0019	2.9277	0.6801	0	-0.0758	0.6043
79	13	13.7	2.9244	0	0.0009	2.9253	0.6784	0	-0.0825	0.5959
80	13.1	13.7	2.9236	0	-0.0008	2.9228	0.6752	0	-0.0671	0.6081
81	13.6	13.6	2.9232	0	-0.0013	2.9219	0.6737	0	-0.056	0.6177
82	13.7	13.5	2.9229	0	0.0003	2.9232	0.6695	0	-0.0516	0.6179
83	13.3	13.5	2.9225	0	0.0015	2.924	0.6632	0	-0.0586	0.6046
84	13.4	13.5	2.9221	0	0.0012	2.9233	0.6574	0	-0.0657	0.5917
85	14.1	13.5	2.921	0	0.0006	2.9217	0.658	0	-0.0681	0.5899
86	13.1	13.5	2.9204	0	0.0001	2.9205	0.6619	0	-0.0648	0.5971
87	13.3	13.4	2.9197	0	0.0004	2.92	0.6599	0	-0.0737	0.5863
88	12.9	13.3	2.9191	0	0.0006	2.9197	0.6633	0	-0.0629	0.6004
89	13.3	13.3	2.9185	0	0.0011	2.9197	0.6694	0	-0.0449	0.6245
90	13.2	13.3	2.9181	0	0.0016	2.9196	0.6705	0	-0.014	0.6565
91	13.4	13.3	2.9177	0	0.0023	2.92	0.6657	0	-0.0118	0.6539
92	13.8	13.2	2.9172	0	0.0032	2.9204	0.666	0	-0.0202	0.6458
93	13.8	13.2	2.9168	0	0.0042	2.9211	0.672	0	-0.0141	0.6579
94	13.7	13.2	2.9164	0	0.0049	2.9213	0.6762	0	-0.0187	0.6575
95	13.3	13.2	2.9157	0	0.0048	2.9205	0.679	0	-0.0344	0.6446
96	12.7	13.2	2.9147	0	0.0047	2.9194	0.6753	0	-0.0476	0.6276
97	12.7	13.2	2.9142	0	0.0041	2.9183	0.6636	0	-0.0634	0.6002
98	12.9	13.2	2.9126	0	0.003	2.9155	0.652	0	-0.0646	0.5874
99	12.7	13.2	2.9119	0	0.0021	2.9141	0.6415	0	-0.0483	0.5932
100	12.5	13.2	2.9107	0	0.0016	2.9122	0.6332	0	-0.0716	0.5616
101	13	13.2	2.9094	0	0.0005	2.91	0.6254	0	-0.0751	0.5502
102	13.6	13.2	2.9091	0	0.0009	2.9099	0.6307	0	-0.0833	0.5474

103	13.1	13.1	2.9087	0	0.0017	2.9104	0.6379	0	-0.0998	0.5381
104	13.4	13.1	2.9081	0	0.0018	2.9099	0.6279	0	-0.1146	0.5133
105	13.2	13.1	2.9075	0	0.0016	2.9091	0.6163	0	-0.1116	0.5047
106	12.8	13.1	2.9067	0	0.0019	2.9086	0.6137	0	-0.1249	0.4888
107	13.2	13.2	2.9056	0	0.0023	2.9079	0.6158	0	-0.1362	0.4796
108	13.4	13.2	2.9043	0	0.0023	2.9066	0.617	0	-0.1319	0.4851
109	13.8	13.2	2.903	0	0.0023	2.9053	0.6225	0	-0.1197	0.5027
110	12.9	13.3	2.9022	0	0.0016	2.9038	0.6282	0	-0.0892	0.539
111	13.3	13.3	2.9017	0	-0.0001	2.9016	0.6307	0	-0.0928	0.5378
112	13.2	13.2	2.9009	0	0.0007	2.9016	0.6338	0	-0.0772	0.5566
113	13.2	13.2	2.9008	0	-0.0006	2.9002	0.6483	0	-0.0325	0.6158
114	13.3	13.2	2.901	0	0.0001	2.9011	0.662	0	-0.0057	0.6563
115	13.2	13.1	2.9012	0	0.0005	2.9017	0.6725	0	-0.001	0.6715
116	13.5	13.1	2.9009	0	0.0016	2.9025	0.679	0	0.0073	0.6863
117	13.1	13.1	2.9007	0	0.0027	2.9033	0.6819	0	0.0258	0.7077
118	13	13.1	2.9001	0	0.003	2.9031	0.6806	0	0.028	0.7085
119	13.6	13	2.899	0	0.0027	2.9018	0.6802	0	0.0329	0.7131
120	13.4	13	2.8983	0	0.0022	2.9004	0.6808	0	0.0483	0.7291
121	12.6	13.1	2.8974	0	0.0025	2.9	0.6784	0	0.0603	0.7387
122	13.2	13.1	2.8971	0	0.0016	2.8987	0.6773	0	0.0806	0.7579
123	12.4	13.1	2.8962	0	0.0022	2.8984	0.6724	0	0.0837	0.756
124	12.3	13.1	2.8954	0	0	2.8955	0.6753	0	0.0838	0.7591
125	12.4	13.1	2.8945	0	-0.0001	2.8944	0.6781	0	0.1507	0.8289
126	13	13	2.8939	0	-0.0014	2.8926	0.6875	0	0.1037	0.7912
127	12.8	13	2.8927	0	-0.0027	2.89	0.6918	0	0.0844	0.7762
128	13.1	13	2.8919	0	-0.0025	2.8895	0.6811	0	0.0833	0.7645
129	13.3	13	2.8912	0	-0.003	2.8881	0.6708	0	0.069	0.7398
130	13.6	13	2.8903	0	-0.0039	2.8864	0.668	0	0.0521	0.7201
131	13.9	13.1	2.8898	0	-0.0039	2.8859	0.67	0	0.0341	0.7041
132	13.4	13.1	2.8897	0	-0.0036	2.8861	0.6742	0	0.0188	0.693
133	13.4	13.1	2.8896	0	-0.0035	2.8861	0.6833	0	0.0299	0.7132
134	12.7	13.2	2.889	0	-0.0027	2.8863	0.6992	0	0.0478	0.747
135	12.6	13.3	2.8881	0	-0.0021	2.886	0.7088	0	0.048	0.7568
136	13	13.3	2.8875	0	-0.0017	2.8858	0.7131	0	0.0435	0.7566
137	12.8	13.4	2.887	0	-0.0036	2.8833	0.7166	0	0.0345	0.7511
138	13.7	13.3	2.8863	0	-0.004	2.8824	0.7218	0	0.0424	0.7643
139	13.6	13.3	2.8861	0	-0.0054	2.8807	0.727	0	0.045	0.772

140	13.3	13.3	2.886	0	-0.006	2.88	0.7324	0	0.0152	0.7476
141	13.3	13.2	2.8857	0	-0.0063	2.8795	0.7357	0	-0.0232	0.7125
142	13.4	13.2	2.8854	0	-0.0073	2.8781	0.7356	0	-0.0316	0.704
143	13.5	13.2	2.8848	0	-0.0072	2.8776	0.7376	0	-0.0234	0.7141
144	13.9	13.2	2.884	0	-0.005	2.8789	0.7446	0	-0.0223	0.7223
145	14.2	13.2	2.8835	0	-0.003	2.8805	0.7515	0	-0.0202	0.7313
146	13.3	13.2	2.8835	0	-0.0011	2.8824	0.758	0	-0.0031	0.7549
147	12.7	13.3	2.8834	0	-0.0004	2.883	0.7634	0	0.002	0.7654
148	12.8	13.3	2.8835	0	-0.0012	2.8823	0.7645	0	0.0211	0.7856
149	12.9	13.3	2.8834	0	0.0009	2.8843	0.7565	0	0.0244	0.7809
150	12.7	13.4	2.8831	0	0.0007	2.8837	0.7599	0	0.0121	0.772
151	13.2	13.4	2.8825	0	0.0012	2.8838	0.7572	0	0.0269	0.7841
152	12.7	13.5	2.882	0	0.0024	2.8844	0.7564	0	0.0409	0.7974
153	12.5	13.5	2.8816	0	0.0021	2.8836	0.7629	0	0.0661	0.829
154	12.7	13.6	2.881	0	0.0022	2.8832	0.7727	0	0.0862	0.8589
155	13.3	13.6	2.8803	0	0.0038	2.8841	0.7795	0	0.0864	0.8659
156	14.2	13.7	2.8797	0	0.0053	2.885	0.7818	0	0.0839	0.8657
157	14.5	13.8	2.8792	0	0.0055	2.8847	0.7851	0	0.0897	0.8748
158	14.2	13.9	2.8782	0	0.005	2.8833	0.7839	0	0.0849	0.8688
159	14.6	14.1	2.8769	0	0.0025	2.8794	0.7833	0	0.0918	0.875
160	13.7	14.2	2.8757	0	0.0029	2.8786	0.7805	0	0.095	0.8754
161	14.4	14.3	2.8746	0	0.0015	2.8761	0.7895	0	0.0845	0.874
162	14.3	14.4	2.8729	0	-0.0008	2.8721	0.7902	0	0.051	0.8412
163	14.6	14.5	2.8718	0	-0.0026	2.8692	0.7941	0	0.0555	0.8496
164	15.1	14.5	2.8709	0	-0.0028	2.8682	0.8049	0	0.0432	0.8481
165	14.7	14.5	2.8699	0	-0.004	2.8659	0.82	0	0.0425	0.8624
166	14.8	14.5	2.8691	0	-0.0052	2.8639	0.8351	0	0.0422	0.8773
167	15.4	14.4	2.8687	0	-0.0052	2.8634	0.8416	0	0.0528	0.8944
168	15.4	14.4	2.8682	0	-0.005	2.8633	0.8478	0	0.0599	0.9078
169	14.8	14.5	2.8675	0	-0.0051	2.8624	0.851	0	0.0613	0.9122
170	15.1	14.5	2.8665	0	-0.006	2.8605	0.8489	0	0.0479	0.8968
171	15.1	14.5	2.8658	0	-0.0076	2.8583	0.8506	0	0.0405	0.8911
172	14.5	14.5	2.8651	0	-0.0059	2.8592	0.8541	0	0.057	0.9111
173	12.9	14.5	2.8638	0	-0.0062	2.8576	0.8571	0	0.0408	0.8979
174	13.6	14.4	2.8627	0	-0.011	2.8517	0.8621	0	0.0545	0.9166
175	13.6	14.4	2.8612	0	-0.007	2.8542	0.8642	0	0.0342	0.8984
176	13.8	14.4	2.8603	0	-0.0054	2.8549	0.8676	0	0.0337	0.9013

177	14.3	14.3	2.8595	0	-0.0059	2.8536	0.8753	0	0.0171	0.8924
178	14.8	14.3	2.8587	0	-0.005	2.8537	0.877	0	0	0.877
179	14.6	14.4	2.8576	0	-0.0043	2.8533	0.8806	0	-0.0026	0.878
180	14.4	14.5	2.8566	0	-0.0042	2.8523	0.8831	0	-0.0125	0.8706
181	14.4	14.5	2.8557	0	-0.0032	2.8526	0.8872	0	-0.0252	0.862
182	13.9	14.6	2.8546	0	-0.0027	2.8519	0.8964	0	-0.0451	0.8513
183	14.4	14.8	2.8526	0	-0.0033	2.8493	0.9078	0	-0.0693	0.8385
184	14.6	14.9	2.8512	0	-0.0036	2.8476	0.924	0	-0.0763	0.8477
185	14.1	15.1	2.8497	0	-0.0037	2.846	0.9375	0	-0.0747	0.8628
186	14.4	15.3	2.8487	0	-0.0033	2.8454	0.9444	0	-0.0551	0.8892
187	15	15.4	2.8475	0	-0.0039	2.8436	0.9536	0	-0.0623	0.8913
188	16.1	15.5	2.8464	0	-0.0039	2.8425	0.9622	0	-0.0797	0.8824
189	16.2	15.6	2.8453	0	-0.0004	2.8449	0.972	0	-0.0814	0.8906
190	15.9	15.7	2.8445	0	0.0039	2.8484	0.9884	0	-0.0983	0.8902
191	16.2	15.8	2.8441	0	0.0055	2.8496	1.0046	0	-0.0972	0.9074
192	16.4	16	2.8435	0	0.0055	2.849	1.0194	0	-0.0917	0.9277
193	16.4	16.1	2.8424	0	0.0065	2.8488	1.0332	0	-0.1024	0.9308
194	16.9	16.2	2.8413	0	0.0069	2.8482	1.0399	0	-0.0938	0.9461
195	16.7	16.4	2.8399	0	0.0051	2.845	1.0469	0	-0.0685	0.9784
196	17	16.6	2.8384	0	0.0045	2.8429	1.0587	0	-0.0497	1.009
197	16.1	16.7	2.8377	0	0.002	2.8398	1.0768	0	-0.0353	1.0415
198	16.8	16.7	2.8369	0	0.0005	2.8374	1.1008	0	-0.015	1.0858
199	16.9	16.8	2.8359	0	0.0009	2.8369	1.1222	0	-0.022	1.1002
200	16.9	16.8	2.8349	0	-0.0011	2.8338	1.1333	0	0.006	1.1392
201	16.8	16.9	2.8338	0	-0.0036	2.8302	1.1446	0	0.0058	1.1504
202	16.7	16.9	2.8328	0	-0.0057	2.827	1.157	0	0.0082	1.1652
203	17.1	16.9	2.8315	0	-0.0069	2.8245	1.1717	0	0.023	1.1948
204	17.6	16.8	2.8302	0	-0.0069	2.8233	1.1877	0	0.0243	1.2121
205	17.3	16.8	2.8293	0	-0.0068	2.8225	1.202	0	0.0156	1.2176
206	16.7	16.8	2.8281	0	-0.007	2.8211	1.2178	0	0.0166	1.2344
207	17.3	16.9	2.8272	0	-0.0062	2.821	1.2337	0	0.0414	1.275
208	17.2	17	2.826	0	-0.0069	2.8191	1.2434	0	0.0479	1.2913
209	16.8	17	2.825	0	-0.0072	2.8178	1.2446	0	0.0514	1.296
210	17.2	17	2.8232	0	-0.0068	2.8164	1.2503	0	-0.1081	1.1423
211	15.9	17.1	2.8227	0	-0.0052	2.8175	1.2575	0	-0.1191	1.1384
212	16.5	17.1	2.8215	0	-0.0049	2.8166	1.265	0	-0.1506	1.1143
213	16.5	17.2	2.8203	0	-0.0049	2.8154	1.2667	0	-0.1717	1.095

214	16.3	17.3	2.819	0	-0.0041	2.8148	1.2736	0	-0.1806	1.0929
215	16.7	17.4	2.8177	0	-0.0038	2.8139	1.2879	0	-0.1669	1.121
216	17.7	17.5	2.8167	0	-0.0036	2.8131	1.3018	0	-0.1671	1.1347
217	18.2	17.6	2.8159	0	-0.0033	2.8125	1.3105	0	-0.1667	1.1437
218	17.5	17.8	2.815	0	-0.0031	2.8119	1.32	0	-0.1534	1.1666
219	17.6	17.9	2.8142	0	-0.0021	2.8121	1.3313	0	-0.1536	1.1776
220	17.4	18	2.8132	0	-0.0019	2.8113	1.3359	0	-0.152	1.1838
221	18.3	18.2	2.812	0	-0.0032	2.8089	1.3393	0	-0.1435	1.1958
222	18	18.4	2.8114	0	-0.0025	2.8089	1.3448	0	-0.1615	1.1833
223	19.8	18.5	2.81	0	-0.0032	2.8067	1.359	0	-0.1461	1.213
224	19.4	18.7	2.809	0	-0.0034	2.8056	1.3616	0	-0.1389	1.2227
225	18.7	18.9	2.8078	0	-0.0035	2.8043	1.364	0	-0.197	1.167
226	19.5	19	2.8064	0	-0.0031	2.8033	1.3631	0	-0.1559	1.2072
227	20.1	19.1	2.805	0	-0.0027	2.8023	1.3729	0	-0.1304	1.2424
228	19.7	19.3	2.8039	0	-0.0022	2.8017	1.3916	0	-0.1336	1.258
229	19	19.5	2.8028	0	-0.0018	2.8011	1.4119	0	-0.1267	1.2853
230	18.8	19.7	2.8016	0	-0.0014	2.8002	1.4245	0	-0.1166	1.308
231	19.5	19.8	2.8002	0	0.0006	2.8008	1.4327	0	-0.1046	1.328
232	19	20	2.7989	0	0.0034	2.8023	1.4482	0	-0.079	1.3691
233	20.3	20.1	2.7972	0	0.0041	2.8013	1.4572	0	-0.076	1.3812
234	19.7	20.2	2.7952	0	0.0048	2.8	1.4637	0	-0.0782	1.3855
235	21.2	20.3	2.7936	0	0.0034	2.7971	1.4689	0	-0.0717	1.3972
236	20.2	20.5	2.7922	0	0.0045	2.7967	1.4767	0	-0.0763	1.4005
237	20.8	20.6	2.7908	0	0.0043	2.7951	1.4887	0	-0.0765	1.4122
238	20.8	20.8	2.7891	0	0.0042	2.7933	1.4982	0	-0.0874	1.4108
239	20.9	20.9	2.7873	0	0.0044	2.7917	1.5105	0	-0.0897	1.4209
240	21.5	21.1	2.7855	0	0.0037	2.7892	1.5201	0	-0.0612	1.4588
241	21.5	21.3	2.7838	0	0.0029	2.7867	1.5336	0	-0.0373	1.4963
242	20.8	21.5	2.7821	0	0.0029	2.785	1.555	0	-0.0454	1.5097
243	21.1	21.7	2.7808	0	0.0022	2.783	1.5743	0	-0.0572	1.5171
244	21.9	21.9	2.7793	0	0.0018	2.7811	1.5882	0	-0.0407	1.5475
245	22.2	22	2.7776	0	0.0019	2.7796	1.5984	0	-0.0313	1.567
246	21.8	22.1	2.7758	0	0.0024	2.7782	1.6101	0	-0.0358	1.5743
247	23.6	22.2	2.7733	0	0.0011	2.7745	1.6212	0	-0.0411	1.5801
248	22.2	22.4	2.7713	0	0.001	2.7723	1.6342	0	-0.0684	1.5658
249	21.5	22.5	2.7701	0	0.0003	2.7704	1.6415	0	-0.0797	1.5618
250	23.3	22.6	2.7686	0	0.0001	2.7687	1.6552	0	-0.0881	1.5671

251	23.4	22.7	2.7668	0	0.0004	2.7672	1.6649	0	-0.1158	1.5491
252	23.1	22.9	2.7648	0	0.0001	2.7649	1.6733	0	-0.301	1.3722
253	23.4	23	2.7628	0	-0.0004	2.7624	1.6882	0	-0.4039	1.2843
254	23.4	23.1	2.7608	0	0.0006	2.7614	1.6957	0	-0.3923	1.3034
255	23.1	23.3	2.7585	0	0.0022	2.7606	1.6958	0	-0.4041	1.2917
256	22.8	23.4	2.7563	0	0.0011	2.7575	1.7083	0	-0.3761	1.3322
257	24.3	23.5	2.7549	0	0.0007	2.7556	1.722	0	-0.3665	1.3555
258	23.3	23.7	2.7538	0	-0.0001	2.7537	1.73	0	-0.3187	1.4113
259	23.4	23.8	2.7519	0	0.0133	2.7652	1.7465	0	-0.3549	1.3917
260	23.4	23.9	2.7499	0	0.0148	2.7647	1.7495	0	-0.3602	1.3893
261	24	23.9	2.7481	0	0.0166	2.7647	1.7571	0	-0.3613	1.3959
262	23.6	24	2.7462	0	0.0164	2.7626	1.7704	0	-0.3457	1.4247
263	24.2	24.1	2.7445	0	0.0154	2.7599	1.7841	0	-0.3488	1.4353
264	24.5	24.2	2.7421	0	0.0139	2.7561	1.7993	0	-0.3511	1.4482
265	24.7	24.2	2.7398	0	0.0127	2.7524	1.8082	0	-0.3335	1.4747
266	25.4	24.3	2.7381	0	0.0115	2.7496	1.8214	0	-0.3141	1.5073
267	24.8	24.3	2.7367	0	0.0101	2.7468	1.841	0	-0.3005	1.5405
268	23.8	24.4	2.7351	0	0.0104	2.7455	1.8539	0	-0.293	1.5609
269	25.3	24.5	2.7339	0	0.0101	2.744	1.8756	0	-0.2831	1.5925
270	24.4	24.7	2.7326	0	0.0083	2.7409	1.8765	0	-0.2746	1.6019
271	24.4	24.7	2.7313	0	0.0086	2.7399	1.8864	0	-0.2665	1.62
272	25.6	24.8	2.7292	0	0.0087	2.7379	1.9004	0	-0.2779	1.6225
273	24.3	24.9	2.7277	0	0.0077	2.7354	1.922	0	-0.2701	1.6519
274	24.4	25	2.7263	0	0.0087	2.7351	1.9309	0	-0.2801	1.6509
275	24.6	25.1	2.7249	0	0.0086	2.7335	1.9426	0	-0.2648	1.6778
276	24.3	25.2	2.723	0	0.0076	2.7306	1.9514	0	-0.2481	1.7033
277	24.4	25.2	2.7203	0	0.0075	2.7278	1.9589	0	-0.2432	1.7157
278	25.6	25.4	2.7175	0	0.0077	2.7252	1.9649	0	-0.2301	1.7348
279	26.4	25.6	2.7152	0	0.0073	2.7225	1.9683	0	-0.2028	1.7655
280	25.4	25.7	2.7133	0	0.0063	2.7195	1.9696	0	-0.2251	1.7445
281	25.6	25.9	2.7109	0	0.0047	2.7157	1.9781	0	-0.2902	1.6879
282	25.7	26	2.7089	0	0.0049	2.7138	1.9811	0	-0.2171	1.764
283	25.8	26.2	2.7062	0	0.0046	2.7108	1.985	0	-0.1483	1.8367
284	27.2	26.3	2.7043	0	0.0036	2.7079	1.9954	0	-0.1534	1.8421
285	26	26.5	2.7021	0	0.0039	2.706	1.9954	0	-0.1494	1.846
286	26.1	26.7	2.6999	0	0.0043	2.7042	2.0003	0	-0.1613	1.839
287	27.5	26.9	2.6977	0	0.0049	2.7025	2	0	-0.1413	1.8587

288	27.8	27.2	2.6953	0	0.005	2.7004	2.0001	0	-0.1502	1.8498
289	27.5	27.3	2.6933	0	0.0057	2.699	2.0031	0	-0.1701	1.8331
290	27.5	27.6	2.6911	0	0.0076	2.6988	2.008	0	-0.1737	1.8343
291	27.5	27.8	2.6886	0	0.01	2.6986	2.0176	0	-0.1773	1.8403
292	27.6	28	2.6861	0	0.0112	2.6973	2.0296	0	-0.1882	1.8413
293	27.9	28.3	2.6835	0	0.0105	2.6941	2.0347	0	-0.1929	1.8418
294	28.3	28.4	2.6814	0	0.0101	2.6915	2.0432	0	-0.2021	1.8411
295	27	28.7	2.6789	0	0.0087	2.6876	2.0504	0	-0.2234	1.827
296	29.5	28.9	2.6763	0	0.0086	2.6849	2.0459	0	-0.2155	1.8304
297	30.8	29	2.6743	0	0.0089	2.6832	2.0564	0	-0.2406	1.8158
298	29	29.2	2.6728	0	0.0085	2.6813	2.0557	0	-0.2203	1.8354
299	29.8	29.4	2.6704	0	0.0097	2.6802	2.0592	0	-0.2253	1.8338
300	29.8	29.6	2.6684	0	0.0105	2.6789	2.0722	0	-0.2443	1.8279
301	30	29.7	2.6665	0	0.0265	2.693	2.0875	0	-0.2497	1.8378
302	30.5	29.7	2.6639	0	0.0347	2.6986	2.0996	0	-0.2491	1.8505
303	30.3	29.8	2.6619	0	0.0323	2.6942	2.0988	0	-0.2582	1.8406
304	30.4	29.9	2.6606	0	0.0335	2.6942	2.0987	0	-0.2815	1.8172
305	31.3	30.1	2.6585	0	0.0308	2.6893	2.0984	0	-0.2637	1.8348
306	29.2	30.1	2.656	0	0.0296	2.6855	2.0945	0	-0.2379	1.8566
307	30.5	30	2.6542	0	0.0257	2.6799	2.0889	0	-0.2665	1.8223
308	32.4	30	2.6513	0	0.0286	2.6799	2.0959	0	-0.267	1.8289
309	30.8	30	2.65	0	0.0288	2.6789	2.1066	0	-0.2736	1.833
310	28.5	30	2.6475	0	0.0293	2.6768	2.1076	0	-0.1454	1.9622
311	28.7	29.9	2.6456	0	0.0294	2.675	2.1091	0	-0.1297	1.9794
312	29	29.9	2.6431	0	0.03	2.6731	2.1132	0	-0.104	2.0092
313	30.6	29.8	2.6404	0	0.0302	2.6706	2.1156	0	-0.1038	2.0119
314	31	29.8	2.6381	0	0.0292	2.6674	2.1199	0	-0.114	2.0059
315	29.2	29.8	2.6356	0	0.0277	2.6632	2.1185	0	-0.1184	2.0001
316	29.7	29.8	2.6326	0	0.0264	2.659	2.1097	0	-0.1323	1.9774
317	29	29.7	2.6305	0	0.026	2.6564	2.1166	0	-0.1386	1.978
318	29.3	29.5	2.6274	0	0.0252	2.6526	2.1191	0	-0.1576	1.9615
319	29.6	29.4	2.6265	0	0.0254	2.6519	2.1346	0	-0.1496	1.9849
320	28.9	29.5	2.6246	0	0.0248	2.6493	2.144	0	-0.1356	2.0083
321	29.4	29.6	2.622	0	0.0246	2.6466	2.149	0	-0.1593	1.9897
322	29.7	29.6	2.6192	0	0.0245	2.6437	2.1554	0	-0.1607	1.9947
323	30	29.6	2.6169	0	0.0248	2.6416	2.149	0	-0.164	1.985
324	30.1	29.5	2.6148	0	0.0231	2.6378	2.1497	0	-0.1851	1.9646

325	29.6	29.5	2.6126	0	0.0213	2.634	2.157	0	-0.1866	1.9704
326	28.7	29.6	2.6105	0	0.0212	2.6317	2.163	0	-0.1905	1.9724
327	28.4	29.8	2.6085	0	0.0203	2.6288	2.1643	0	-0.1938	1.9704
328	29	29.8	2.607	0	0.0181	2.6251	2.1615	0	-0.1898	1.9717
329	29.8	29.8	2.6059	0	0.0207	2.6266	2.1547	0	-0.1898	1.965
330	31	29.9	2.6038	0	0.0276	2.6314	2.1469	0	-0.1786	1.9682
331	30	29.9	2.6021	0	0.0223	2.6244	2.149	0	-0.2042	1.9448
332	30.4	29.8	2.6004	0	0.0182	2.6186	2.1449	0	-0.2105	1.9344
333	28	29.7	2.5976	0	0.0194	2.6171	2.1475	0	-0.2193	1.9283
334	30.2	29.7	2.5957	0	0.0197	2.6154	2.1421	0	-0.2117	1.9304
335	31.9	29.7	2.5936	0	0.0196	2.6132	2.1446	0	-0.2081	1.9366
336	31.3	29.8	2.5922	0	0.0186	2.6108	2.1422	0	-0.1975	1.9446
337	29.9	29.9	2.5907	0	0.0194	2.6101	2.139	0	-0.1876	1.9513
338	29.7	29.9	2.5888	0	0.0212	2.61	2.1395	0	-0.1708	1.9687
339	30.1	29.9	2.5865	0	0.0218	2.6083	2.141	0	-0.1519	1.989
340	29.3	29.9	2.5838	0	0.0215	2.6052	2.1388	0	-0.1462	1.9926
341	28.7	29.8	2.5808	0	0.0217	2.6025	2.1339	0	-0.1478	1.9861
342	28.8	29.8	2.5786	0	0.0222	2.6008	2.1167	0	-0.1241	1.9926
343	29.2	30	2.5765	0	0.0224	2.5989	2.1068	0	-0.1116	1.9952
344	29.7	30	2.5743	0	0.0242	2.5984	2.0967	0	-0.1095	1.9872
345	31.6	30	2.573	0	0.0235	2.5965	2.0951	0	-0.0923	2.0027
346	29.8	30	2.5702	0	0.0265	2.5966	2.0885	0	-0.0967	1.9918
347	29	30	2.5678	0	0.0232	2.5909	2.0778	0	-0.0833	1.9945
348	30.4	30.1	2.5654	0	0.0235	2.5889	2.0814	0	-0.0688	2.0126
349	29.8	30.1	2.5629	0	0.0248	2.5876	2.0961	0	-0.0661	2.0299
350	29	30.2	2.5598	0	0.0251	2.5849	2.099	0	-0.0438	2.0552
351	30.1	30.4	2.5569	0	0.0253	2.5822	2.1014	0	-0.0301	2.0713
352	31.1	30.6	2.5549	0	0.0259	2.5809	2.1075	0	0.1264	2.2339
353	30.9	30.7	2.5529	0	0.0278	2.5807	2.1089	0	0.2123	2.3212
354	31	30.7	2.5509	0	0.027	2.5779	2.1062	0	0.1848	2.2911
355	31.8	30.6	2.549	0	0.026	2.575	2.1187	0	0.1901	2.3088
356	31	30.6	2.5474	0	0.0278	2.5752	2.1222	0	0.1513	2.2735
357	30.9	30.7	2.5453	0	0.0274	2.5727	2.1303	0	0.1302	2.2604
358	30.1	30.7	2.5431	0	0.0273	2.5704	2.1378	0	0.0912	2.229
359	31.5	30.7	2.5411	0	0.0278	2.5689	2.1341	0	0.1218	2.2559
360	32.4	30.8	2.539	0	0.0278	2.5668	2.1437	0	0.1237	2.2674
361	32.3	30.8	2.5368	0	0.027	2.5638	2.1413	0	0.1134	2.2547

362	31.5	30.7	2.5347	0	0.0267	2.5614	2.146	0	0.0995	2.2455
363	30.2	30.7	2.5325	0	0.0268	2.5593	2.1412	0	0.1144	2.2556
364	29.6	30.6	2.5303	0	0.0258	2.556	2.1448	0	0.1203	2.2651
365	28.9	30.6	2.5288	0	0.0259	2.5547	2.1658	0	0.107	2.2729
366	30.2	30.5	2.5264	0	0.0253	2.5518	2.16	0	0.0906	2.2506
367	31.2	30.5	2.5248	0	0.0259	2.5506	2.1602	0	0.0809	2.2411
368	30.3	30.4	2.5217	0	0.0254	2.547	2.1646	0	0.0724	2.237
369	30.4	30.2	2.5195	0	0.0237	2.5432	2.1582	0	0.0665	2.2246
370	29.7	30.1	2.5177	0	0.0243	2.542	2.172	0	0.0778	2.2498
371	29.6	29.9	2.5158	0	0.0247	2.5405	2.1811	0	0.0774	2.2585
372	30.3	29.8	2.5143	0	0.0251	2.5394	2.1797	0	0.0787	2.2584
373	30.3	29.8	2.5127	0	0.0262	2.5389	2.1731	0	0.0744	2.2475
374	30.3	29.7	2.5106	0	0.0274	2.538	2.1732	0	0.0732	2.2464
375	30.9	29.7	2.5086	0	0.0276	2.5362	2.1731	0	0.059	2.2321
376	29.7	29.6	2.5065	0	0.027	2.5336	2.1734	0	0.036	2.2094
377	28.1	29.5	2.5042	0	0.0264	2.5306	2.1809	0	0.0338	2.2147
378	28.7	29.4	2.502	0	0.0266	2.5287	2.1841	0	0.0271	2.2112
379	29.7	29.4	2.5005	0	0.0252	2.5257	2.1936	0	0.0056	2.1992
380	29.1	29.5	2.4984	0	0.0267	2.5251	2.2	0	0.0086	2.2086
381	28.9	29.5	2.4964	0	0.0258	2.5222	2.2003	0	0.0601	2.2604
382	29.7	29.6	2.4941	0	0.0268	2.5209	2.2117	0	0.0068	2.2185
383	28.7	29.6	2.492	0	0.0257	2.5178	2.2248	0	-0.0287	2.196
384	28.1	29.6	2.4899	0	0.0244	2.5142	2.2198	0	-0.0058	2.214
385	29.2	29.5	2.4878	0	0.0237	2.5115	2.2221	0	0.0023	2.2244
386	29.5	29.5	2.486	0	0.0231	2.509	2.2231	0	-0.0032	2.22
387	28.5	29.6	2.4837	0	0.022	2.5057	2.2276	0	-0.0151	2.2125
388	29.6	29.7	2.4812	0	0.0202	2.5015	2.2392	0	-0.0047	2.2345
389	30.8	29.7	2.4794	0	0.0204	2.4998	2.2393	0	0.0214	2.2607
390	30.1	29.7	2.4777	0	0.0224	2.5001	2.236	0	0.0349	2.2709
391	32.3	29.9	2.4769	0	0.0224	2.4993	2.2371	0	0.0527	2.2898
392	30.6	30	2.4754	0	0.0224	2.4978	2.2384	0	0.0529	2.2913
393	29.6	30.1	2.4739	0	0.0215	2.4954	2.2411	0	0.051	2.2921
394	29.8	30.2	2.4719	0	0.0193	2.4912	2.2403	0	0.0564	2.2968
395	29.1	30.2	2.4701	0	0.0184	2.4884	2.2407	0	0.0747	2.3154
396	30.4	30.2	2.4685	0	0.0169	2.4854	2.2509	0	0.068	2.3189
397	30.4	30.3	2.4662	0	0.0158	2.4819	2.2547	0	0.1036	2.3583
398	29.3	30.2	2.4632	0	0.0151	2.4783	2.2667	0	0.0683	2.335

399	30.3	30.2	2.4605	0	0.0141	2.4746	2.2668	0	0.0569	2.3237
400	31.8	30.3	2.4583	0	0.0135	2.4718	2.2656	0	0.0656	2.3312
401	31.8	30.3	2.4557	0	0.0139	2.4696	2.262	0	0.0684	2.3304
402	31.3	30.3	2.4531	0	0.0134	2.4665	2.2554	0	0.0683	2.3237
403	30.2	30.4	2.4513	0	0.0138	2.4651	2.2588	0	0.0864	2.3452
404	29	30.5	2.4487	0	0.0145	2.4633	2.2607	0	0.1127	2.3734
405	29.6	30.7	2.4462	0	0.0157	2.4619	2.2639	0	0.1112	2.3751
406	29.5	30.7	2.4429	0	0.0166	2.4595	2.27	0	0.0897	2.3597
407	28.5	30.7	2.4404	0	0.0166	2.457	2.2746	0	0.1107	2.3853
408	30.2	31	2.4379	0	0.0164	2.4543	2.2729	0	0.1158	2.3887
409	32	31.2	2.4357	0	0.0165	2.4521	2.2698	0	0.1052	2.375
410	32.4	31.3	2.4334	0	0.018	2.4513	2.2688	0	0.101	2.3698
411	31.2	31.4	2.431	0	0.0194	2.4505	2.2716	0	0.1181	2.3898
412	30.2	31.5	2.429	0	0.0185	2.4475	2.2711	0	0.1015	2.3726
413	32.4	31.7	2.4259	0	0.0182	2.4441	2.2666	0	0.1038	2.3704
414	32.4	31.9	2.4216	0	0.0185	2.4401	2.2678	0	0.1118	2.3796
415	31.3	32.2	2.4196	0	0.0186	2.4382	2.2676	0	0.1077	2.3753
416	30.5	32.5	2.4166	0	0.0183	2.4349	2.2736	0	0.1225	2.3961
417	34.7	32.7	2.414	0	0.0187	2.4327	2.2709	0	0.1134	2.3844
418	33.5	32.9	2.4116	0	0.0186	2.4302	2.2752	0	0.1158	2.391
419	34.1	33	2.4093	0	0.0176	2.4269	2.2639	0	0.1152	2.3791
420	33.7	33	2.4065	0	0.017	2.4235	2.2595	0	0.1054	2.3649
421	33.1	33.1	2.404	0	0.0167	2.4208	2.259	0	0.112	2.371
422	33.5	33.3	2.4019	0	0.0171	2.4189	2.263	0	0.1086	2.3716
423	34.2	33.4	2.3995	0	0.0174	2.417	2.2774	0	0.098	2.3754
424	34.4	33.5	2.3974	0	0.0172	2.4146	2.2851	0	0.0797	2.3648
425	34.6	33.7	2.3953	0	0.0177	2.413	2.2901	0	0.0797	2.3698
426	33.8	33.9	2.3924	0	0.0179	2.4103	2.2965	0	0.0812	2.3777
427	34	33.9	2.3901	0	0.0176	2.4077	2.2988	0	0.0761	2.3749
428	32.3	34	2.3877	0	0.0175	2.4052	2.2968	0	0.0611	2.3578
429	33.3	34.1	2.3859	0	0.0199	2.4058	2.3021	0	0.0737	2.3758
430	33.6	34.3	2.3838	0	0.0216	2.4054	2.3066	0	0.0462	2.3528
431	34.2	34.5	2.3809	0	0.0217	2.4026	2.3061	0	0.0448	2.3509
432	34	34.5	2.3779	0	0.0211	2.399	2.3077	0	0.0342	2.3419
433	34.2	34.6	2.3757	0	0.02	2.3957	2.3044	0	0.0485	2.3528
434	34.8	34.7	2.3735	0	0.0195	2.393	2.3031	0	0.0484	2.3516
435	35	34.8	2.3713	0	0.0199	2.3912	2.3002	0	0.0532	2.3534

436	34.6	34.9	2.3694	0	0.0201	2.3896	2.301	0	0.0475	2.3486
437	34.1	35.2	2.3668	0	0.0198	2.3867	2.2984	0	0.039	2.3374
438	36.3	35.4	2.3649	0	0.019	2.3839	2.2977	0	0.0187	2.3164
439	37.1	35.5	2.3629	0	0.0183	2.3812	2.2913	0	0.0076	2.2989
440	36.5	35.7	2.36	0	0.0162	2.3762	2.2952	0	-0.0105	2.2847
441	34.7	35.8	2.357	0	0.0164	2.3734	2.3005	0	0.0021	2.3027
442	35.7	36	2.3545	0	0.0171	2.3716	2.3056	0	0.0035	2.3091
443	37	36.1	2.3525	0	0.0167	2.3692	2.3009	0	-0.0127	2.2882
444	36.1	36.1	2.3502	0	0.0167	2.3669	2.2996	0	-0.0427	2.2569
445	36.3	36	2.348	0	0.0167	2.3646	2.2949	0	-0.0703	2.2245
446	38.1	36	2.3447	0	0.0161	2.3608	2.2917	0	-0.0808	2.2109
447	37.7	36	2.3411	0	0.0163	2.3574	2.2951	0	-0.1019	2.1932
448	35.2	35.9	2.3387	0	0.0178	2.3565	2.2916	0	-0.1061	2.1855
449	36.3	35.8	2.3363	0	0.0182	2.3545	2.2824	0	-0.1099	2.1725
450	36.2	35.7	2.3336	0	0.0182	2.3519	2.2715	0	-0.1178	2.1537
451	38.5	35.7	2.3313	0	0.0185	2.3498	2.2695	0	-0.1119	2.1576
452	35.6	35.6	2.3291	0	0.0173	2.3464	2.2558	0	-0.0845	2.1714
453	33.8	35.4	2.3269	0	0.0165	2.3434	2.2481	0	-0.0808	2.1673
454	33.5	35.2	2.3246	0	0.0159	2.3404	2.2516	0	-0.083	2.1686
455	34.8	35.1	2.322	0	0.017	2.339	2.2492	0	-0.0871	2.1621
456	35.1	34.8	2.32	0	0.0167	2.3367	2.2431	0	-0.0801	2.163
457	34.6	34.6	2.318	0	0.0158	2.3338	2.2222	0	-0.0722	2.15
458	34.5	34.5	2.3161	0	0.0167	2.3329	2.2086	0	-0.0753	2.1332
459	34.7	34.4	2.3143	0	0.0177	2.332	2.2041	0	-0.0789	2.1253
460	34.7	34.2	2.3119	0	0.016	2.3278	2.2099	0	-0.0826	2.1272
461	34.5	34	2.3097	0	0.0168	2.3265	2.1957	0	-0.0813	2.1144
462	32.4	33.9	2.308	0	0.0164	2.3244	2.1917	0	-0.0659	2.1259
463	32.7	33.9	2.3057	0	0.0156	2.3214	2.1909	0	-0.0711	2.1198
464	34.1	33.9	2.3035	0	0.015	2.3185	2.1818	0	-0.0792	2.1027
465	32.9	33.8	2.3014	0	0.0137	2.3151	2.1625	0	-0.0702	2.0923
466	32.6	33.7	2.2993	0	0.014	2.3133	2.1607	0	-0.0677	2.093
467	33.4	33.6	2.2972	0	0.0143	2.3115	2.1462	0	-0.0691	2.0771
468	34.1	33.6	2.2953	0	0.0138	2.3091	2.1365	0	-0.0642	2.0722
469	34.1	33.4	2.2936	0	0.0131	2.3067	2.1264	0	-0.0607	2.0657
470	33.9	33.3	2.2918	0	0.0131	2.3049	2.1151	0	-0.0653	2.0498
471	34	33.2	2.2895	0	0.0138	2.3033	2.102	0	-0.0757	2.0263
472	34	33.3	2.2866	0	0.0153	2.3019	2.0935	0	-0.0672	2.0263

473	33.7	33.4	2.2842	0	0.0182	2.3024	2.0852	0	-0.0574	2.0277
474	32.7	33.4	2.2816	0	0.0194	2.301	2.0783	0	-0.0565	2.0218
475	33.1	33.5	2.279	0	0.0195	2.2985	2.073	0	-0.0628	2.0102
476	33	33.6	2.2767	0	0.0194	2.2961	2.063	0	-0.0542	2.0088
477	33.4	33.5	2.2745	0	0.0203	2.2948	2.0476	0	-0.047	2.0005
478	32.1	33.4	2.2718	0	0.0193	2.2911	2.0371	0	-0.0353	2.0018
479	32.2	33.3	2.2698	0	0.0206	2.2904	2.0209	0	-0.0364	1.9845
480	33.2	33.3	2.2678	0	0.0222	2.29	2.0138	0	-0.0102	2.0036
481	34.2	33.3	2.2657	0	0.0224	2.288	2.0049	0	0.0127	2.0176
482	33.9	33.3	2.2637	0	0.0219	2.2856	1.9847	0	0.0093	1.994
483	33.4	33.2	2.2617	0	0.0209	2.2826	1.965	0	-0.0046	1.9603
484	34.6	33.2	2.2598	0	0.0191	2.2789	1.9579	0	-0.0262	1.9317
485	34.5	33.2	2.2577	0	0.0189	2.2767	1.9537	0	-0.0401	1.9135
486	32.6	33.2	2.2561	0	0.0192	2.2753	1.9517	0	-0.0559	1.8958
487	31.7	33.1	2.2539	0	0.0201	2.274	1.95	0	-0.042	1.908
488	32.6	33.1	2.2521	0	0.0195	2.2716	1.9434	0	-0.0395	1.9039
489	33.8	33.1	2.2499	0	0.0214	2.2713	1.9424	0	-0.0546	1.8878
490	34.4	33.1	2.2477	0	0.0222	2.2699	1.9373	0	-0.0745	1.8628
491	33.5	33	2.2464	0	0.022	2.2684	1.9215	0	-0.1028	1.8187
492	32.7	33	2.2453	0	0.0237	2.269	1.9047	0	-0.0953	1.8094
493	32.5	32.9	2.2439	0	0.0258	2.2697	1.8952	0	-0.0797	1.8155
494	32.6	32.7	2.2424	0	0.0263	2.2688	1.8909	0	-0.0781	1.8128
495	32.5	32.5	2.2409	0	0.0264	2.2673	1.885	0	-0.069	1.8161
496	31.7	32.4	2.239	0	0.0271	2.2661	1.873	0	-0.0623	1.8107
497	32.4	32.3	2.237	0	0.0264	2.2634	1.857	0	-0.0761	1.781
498	32.7	32.2	2.2349	0	0.0261	2.261	1.8369	0	-0.0841	1.7528
499	32.6	32.1	2.2334	0	0.0259	2.2593	1.8257	0	-0.0856	1.7401
500	33	31.9	2.2314	0	0.0247	2.256	1.8153	0	-0.0895	1.7258
501	33.2	31.7	2.2301	0	0.0224	2.2525	1.8018	0	-0.0927	1.7091
502	31.9	31.5	2.2282	0	0.0215	2.2498	1.7912	0	-0.0859	1.7052
503	31.2	31.4	2.2261	0	0.0221	2.2482	1.7819	0	-0.0977	1.6842
504	30.5	31.3	2.2238	0	0.0232	2.2471	1.7744	0	-0.1105	1.6639
505	30.3	31.2	2.2219	0	0.0237	2.2456	1.7662	0	-0.1247	1.6415
506	30.2	31.2	2.2207	0	0.0238	2.2445	1.7559	0	-0.1243	1.6316
507	30.3	31	2.2195	0	0.0241	2.2437	1.7522	0	-0.1285	1.6237
508	31.4	30.9	2.2175	0	0.0243	2.2418	1.7506	0	-0.1253	1.6252
509	30.8	30.7	2.2147	0	0.0247	2.2394	1.7483	0	-0.1084	1.6399

510	29.3	30.5	2.2138	0	0.0261	2.2399	1.7418	0	-0.0812	1.6605
511	30	30.2	2.2119	0	0.026	2.2379	1.7305	0	-0.1092	1.6212
512	30.8	30	2.2099	0	0.0256	2.2356	1.7229	0	-0.0919	1.631
513	30.1	29.8	2.2077	0	0.0261	2.2338	1.7194	0	-0.1096	1.6098
514	30.1	29.8	2.2053	0	0.0255	2.2308	1.7082	0	-0.117	1.5911
515	31	29.7	2.2035	0	0.0254	2.2289	1.6958	0	-0.1216	1.5742
516	30.1	29.5	2.202	0	0.0252	2.2272	1.6848	0	-0.143	1.5418
517	29.6	29.4	2.2004	0	0.0251	2.2255	1.6751	0	-0.1523	1.5228
518	29.9	29.3	2.199	0	0.0246	2.2236	1.6655	0	-0.1605	1.505
519	29.1	29.2	2.1978	0	0.0241	2.2219	1.6614	0	-0.1626	1.4988
520	28	29.1	2.1963	0	0.0246	2.2209	1.6633	0	-0.1647	1.4986
521	27.9	29	2.1947	0	0.0235	2.2181	1.6643	0	-0.1663	1.498
522	27.7	28.8	2.1933	0	0.0228	2.2162	1.6599	0	-0.1409	1.5191
523	29	28.7	2.1917	0	0.0231	2.2148	1.6441	0	-0.0934	1.5507
524	28.1	28.6	2.1901	0	0.0235	2.2136	1.6301	0	-0.0257	1.6044
525	28.1	28.4	2.189	0	0.0232	2.2121	1.6149	0	0.005	1.6198
526	28.4	28.1	2.1877	0	0.0226	2.2102	1.6018	0	0.0137	1.6155
527	28.5	28	2.1864	0	0.0211	2.2075	1.5867	0	0.0329	1.6196
528	28.7	27.7	2.1856	0	0.0211	2.2067	1.5658	0	0.0671	1.6329
529	28.6	27.6	2.1845	0	0.0209	2.2054	1.5407	0	0.0689	1.6097
530	27.6	27.5	2.1833	0	0.0203	2.2036	1.5253	0	0.0994	1.6247
531	26.8	27.3	2.1824	0	0.0207	2.2032	1.5194	0	0.1051	1.6245
532	27.8	27.1	2.1814	0	0.0215	2.203	1.5179	0	0.1007	1.6185
533	28.6	26.9	2.1799	0	0.0226	2.2025	1.5083	0	0.0964	1.6047
534	26.8	26.8	2.1781	0	0.0235	2.2016	1.5058	0	0.065	1.5708
535	25.5	26.6	2.1761	0	0.0255	2.2016	1.4995	0	0.0403	1.5398
536	26.5	26.5	2.1744	0	0.0243	2.1988	1.4894	0	0.0256	1.515
537	25.3	26.3	2.1725	0	0.0238	2.1963	1.4829	0	0.0034	1.4863
538	26.4	26.2	2.1707	0	0.0245	2.1952	1.4726	0	-0.021	1.4516
539	26	26	2.1692	0	0.0257	2.1949	1.4673	0	-0.0503	1.417
540	24.6	25.9	2.1679	0	0.0265	2.1944	1.4585	0	-0.0349	1.4236
541	24.5	25.9	2.1665	0	0.026	2.1925	1.4501	0	-0.0281	1.4221
542	25.1	25.8	2.165	0	0.0251	2.1901	1.4442	0	-0.0262	1.418
543	25.1	25.7	2.1634	0	0.0246	2.1879	1.4515	0	-0.0142	1.4373
544	25.1	25.7	2.1617	0	0.0236	2.1853	1.4551	0	0.0103	1.4654
545	25.6	25.7	2.1607	0	0.0229	2.1836	1.4588	0	0.0104	1.4692
546	25.8	25.6	2.159	0	0.0237	2.1827	1.453	0	0.0192	1.4723

547	26.2	25.6	2.1574	0	0.0247	2.1821	1.4479	0	0.0224	1.4703
548	24.6	25.6	2.1561	0	0.0264	2.1825	1.4451	0	0.0133	1.4584
549	25.5	25.6	2.1548	0	0.0272	2.1819	1.4345	0	0.0126	1.4471
550	26.5	25.6	2.1535	0	0.0275	2.181	1.4294	0	0.013	1.4424
551	26.7	25.7	2.1522	0	0.0271	2.1793	1.4258	0	0.0157	1.4414
552	26.4	25.8	2.1509	0	0.0271	2.1779	1.4292	0	0.0149	1.4441
553	26.4	25.8	2.1494	0	0.0276	2.177	1.4222	0	0.0041	1.4263
554	26	25.9	2.1479	0	0.0283	2.1763	1.4145	0	0.0061	1.4206
555	25	26	2.1464	0	0.0294	2.1759	1.4077	0	0.0182	1.4259
556	25.4	25.9	2.1448	0	0.0296	2.1743	1.4033	0	0.0457	1.449
557	25.4	26	2.143	0	0.0283	2.1713	1.3963	0	0.0317	1.4281
558	25.6	26.1	2.1413	0	0.0276	2.1689	1.3969	0	0.0423	1.4392
559	26	26.1	2.1401	0	0.0258	2.1659	1.3944	0	0.0399	1.4343
560	26.1	26.2	2.1388	0	0.0269	2.1657	1.3793	0	0.0382	1.4175
561	26	26.2	2.1374	0	0.026	2.1634	1.3825	0	0.0459	1.4284
562	26.6	26.2	2.136	0	0.0273	2.1634	1.3766	0	0.0339	1.4104
563	26.8	26.2	2.1349	0	0.0273	2.1622	1.3692	0	0.0211	1.3903
564	26	26.1	2.1339	0	0.0272	2.1611	1.3595	0	0.0257	1.3852
565	25.6	26.2	2.1329	0	0.028	2.1609	1.3502	0	0.0168	1.367
566	26.3	26.2	2.1318	0	0.0292	2.161	1.3448	0	0.0173	1.3621
567	26.8	26.2	2.1307	0	0.0303	2.161	1.3406	0	0.0114	1.352
568	26.9	26.2	2.1291	0	0.0301	2.1592	1.3419	0	0.0132	1.3551
569	28	26.1	2.1272	0	0.0296	2.1568	1.341	0	0.0125	1.3535
570	26.1	26.1	2.1254	0	0.0297	2.1551	1.3453	0	0.0144	1.3597
571	26.2	26.1	2.1235	0	0.0279	2.1514	1.346	0	0.0242	1.3702
572	26.4	26.1	2.1222	0	0.0246	2.1468	1.3426	0	0.024	1.3666
573	25.1	26	2.1212	0	0.0208	2.142	1.3423	0	0.0193	1.3617
574	25.6	25.9	2.1201	0	0.0189	2.139	1.3382	0	0.0215	1.3597
575	26	25.8	2.1188	0	0.0181	2.1369	1.3307	0	0.0379	1.3686
576	25.7	25.6	2.118	0	0.0161	2.1341	1.3252	0	0.0458	1.371
577	25.3	25.4	2.1179	0	0.0136	2.1316	1.317	0	0.0342	1.3512
578	24.8	25.3	2.1177	0	0.0124	2.1301	1.3076	0	0.0234	1.331
579	25	25.1	2.1173	0	0.0106	2.1279	1.3056	0	0.0283	1.3339
580	26.5	24.9	2.1159	0	0.0117	2.1275	1.302	0	0.0356	1.3376
581	25.9	24.8	2.1139	0	0.0123	2.1262	1.2972	0	0.0203	1.3174
582	25.3	24.5	2.1129	0	0.0123	2.1252	1.2951	0	0.0042	1.2993
583	24.7	24.4	2.1111	0	0.0144	2.1255	1.2929	0	0.0129	1.3058

584	23.7	24.3	2.1099	0	0.015	2.1249	1.2889	0	0.0299	1.3188
585	23.1	24.1	2.1088	0	0.0164	2.1252	1.2833	0	0.0317	1.3151
586	22.9	23.9	2.1078	0	0.0188	2.1267	1.2727	0	0.0437	1.3163
587	23.5	23.8	2.1067	0	0.0222	2.1289	1.2628	0	0.0352	1.298
588	24.2	23.8	2.1054	0	0.0245	2.1299	1.2472	0	0.0243	1.2715
589	24.1	23.7	2.104	0	0.0249	2.1289	1.2368	0	0.0236	1.2604
590	22.8	23.6	2.1027	0	0.025	2.1277	1.2334	0	0.0442	1.2776
591	21.9	23.5	2.1019	0	0.0247	2.1266	1.2317	0	0.0445	1.2762
592	22.2	23.4	2.1001	0	0.0251	2.1252	1.2282	0	0.0345	1.2626
593	23.5	23.4	2.0984	0	0.0247	2.1231	1.2228	0	0.0212	1.244
594	22.4	23.4	2.0966	0	0.0253	2.1219	1.219	0	0.0134	1.2324
595	22.1	23.5	2.0956	0	0.0245	2.1201	1.2148	0	-0.0015	1.2133
596	23.7	23.6	2.0942	0	0.0249	2.1191	1.211	0	-0.0191	1.1919
597	23.9	23.6	2.0925	0	0.025	2.1175	1.1985	0	-0.0149	1.1836
598	23.7	23.6	2.0915	0	0.0248	2.1163	1.1938	0	0.0009	1.1947
599	24	23.6	2.0904	0	0.0246	2.115	1.1953	0	0.0115	1.2067
600	24.2	23.7	2.0888	0	0.0231	2.1119	1.1873	0	0.0312	1.2185
601	24.3	23.9	2.0872	0	0.0209	2.1081	1.1796	0	0.0069	1.1864
602	24.6	24.1	2.086	0	0.0211	2.1071	1.1664	0	-0.0029	1.1634
603	24.2	24.1	2.0847	0	0.0215	2.1062	1.1478	0	-0.0051	1.1427
604	23.4	24.3	2.083	0	0.0214	2.1045	1.1381	0	-0.0241	1.1139
605	25	24.5	2.0816	0	0.0191	2.1007	1.1328	0	-0.014	1.1187
606	23.7	24.6	2.0811	0	0.0206	2.1017	1.1289	0	0.0082	1.137
607	24.7	24.7	2.0798	0	0.0199	2.0998	1.1236	0	0.0147	1.1383
608	24.5	24.8	2.0781	0	0.0203	2.0984	1.1136	0	0.0054	1.119
609	24.4	24.9	2.0767	0	0.0209	2.0976	1.1025	0	0.0032	1.1057
610	25.1	25.1	2.0755	0	0.0215	2.097	1.0982	0	-0.0062	1.0921
611	25.5	25.2	2.0742	0	0.0226	2.0968	1.0944	0	0.0164	1.1108
612	25.3	25.2	2.073	0	0.0235	2.0965	1.0881	0	0.0119	1.1
613	25.2	25.3	2.0718	0	0.0235	2.0953	1.0804	0	0.0327	1.1131
614	25.6	25.5	2.0703	0	0.0239	2.0941	1.0678	0	0.0308	1.0986
615	25.8	25.5	2.069	0	0.0236	2.0926	1.0632	0	0.0351	1.0983
616	26.3	25.6	2.0679	0	0.0241	2.092	1.0625	0	0.0466	1.1091
617	25	25.8	2.0662	0	0.0238	2.09	1.0632	0	0.0604	1.1236
618	27.1	25.8	2.0649	0	0.0234	2.0883	1.061	0	0.0781	1.1391
619	26.9	26	2.0633	0	0.0227	2.086	1.0486	0	0.0873	1.1359
620	25.9	26.1	2.0617	0	0.0222	2.0838	1.0331	0	0.1001	1.1332

621	25.5	26.1	2.0604	0	0.0211	2.0815	1.0128	0	0.1008	1.1136
622	25.8	26.1	2.0591	0	0.0209	2.08	0.9994	0	0.0883	1.0877
623	26.3	26.2	2.0579	0	0.0209	2.0788	0.981	0	0.0596	1.0406
624	26.2	26.2	2.0571	0	0.0197	2.0767	0.9669	0	0.0345	1.0014
625	26	26.1	2.0565	0	0.0186	2.075	0.9534	0	0.022	0.9755
626	27.1	26	2.056	0	0.0191	2.0751	0.932	0	0.0135	0.9455
627	26.1	26	2.0557	0	0.0188	2.0744	0.9171	0	-0.0088	0.9083
628	27.1	25.8	2.055	0	0.0183	2.0733	0.9155	0	-0.0332	0.8823
629	27.5	25.7	2.0543	0	0.0173	2.0716	0.9182	0	-0.046	0.8722
630	25.5	25.6	2.0536	0	0.0183	2.0719	0.9217	0	-0.0699	0.8518
631	25.5	25.6	2.0529	0	0.0203	2.0732	0.9134	0	-0.0607	0.8528
632	26.9	25.4	2.0522	0	0.0203	2.0724	0.8995	0	-0.059	0.8405
633	25.9	25.3	2.051	0	0.0196	2.0706	0.9024	0	-0.093	0.8093
634	24.2	25.2	2.0498	0	0.0203	2.0701	0.8916	0	-0.056	0.8356
635	24.2	25.1	2.0489	0	0.0211	2.07	0.8824	0	-0.0591	0.8233
636	24.2	24.9	2.0481	0	0.0208	2.0689	0.8756	0	-0.0461	0.8294
637	23.8	24.8	2.0478	0	0.0214	2.0691	0.866	0	-0.0276	0.8384
638	24.1	24.6	2.047	0	0.0221	2.0691	0.8554	0	0.0035	0.8589
639	24.8	24.4	2.0458	0	0.0213	2.0671	0.8461	0	0.0192	0.8653
640	24.8	24.2	2.0447	0	0.022	2.0667	0.8373	0	0.0133	0.8506
641	23.2	24.1	2.0437	0	0.0225	2.0662	0.8282	0	0.0224	0.8506
642	24	24	2.0427	0	0.023	2.0657	0.8254	0	0.0326	0.858
643	24	23.9	2.0415	0	0.0232	2.0647	0.8113	0	0.0233	0.8346
644	23.4	23.8	2.0402	0	0.0237	2.0639	0.8	0	0.0219	0.822
645	23.5	23.7	2.0396	0	0.0248	2.0644	0.7825	0	0.0242	0.8067
646	24	23.5	2.0391	0	0.0252	2.0643	0.7755	0	0.0279	0.8034
647	24	23.4	2.038	0	0.0246	2.0627	0.7634	0	0.0206	0.7839
648	23.3	23.3	2.0366	0	0.0253	2.0618	0.7484	0	0.0312	0.7796
649	22.6	23.1	2.036	0	0.024	2.0601	0.7413	0	0.0257	0.7669
650	23.6	23	2.0355	0	0.0268	2.0623	0.7354	0	0.0213	0.7567
651	23.8	23	2.0356	0	0.0274	2.063	0.7246	0	0.0071	0.7317
652	24	22.9	2.0361	0	0.0276	2.0637	0.7134	0	-0.0141	0.6993
653	23	22.7	2.0356	0	0.03	2.0656	0.7044	0	-0.0042	0.7003
654	22.4	22.6	2.0347	0	0.0297	2.0644	0.6937	0	0.0066	0.7003
655	21.2	22.4	2.0335	0	0.0286	2.0622	0.678	0	-0.0016	0.6764
656	21.1	22.2	2.0324	0	0.0281	2.0605	0.6669	0	-0.0162	0.6507
657	21.8	22	2.0316	0	0.0278	2.0594	0.6617	0	0.0078	0.6696

658	22.1	21.8	2.031	0	0.0273	2.0583	0.6468	0	-0.0016	0.6452
659	22.7	21.6	2.0303	0	0.0264	2.0567	0.6256	0	-0.0085	0.617
660	22.5	21.4	2.0294	0	0.0252	2.0546	0.6086	0	-0.0022	0.6064
661	22.2	21.1	2.0286	0	0.0248	2.0534	0.5929	0	0.0019	0.5949
662	21	20.9	2.028	0	0.0241	2.0521	0.5781	0	0.0059	0.584
663	20.4	20.6	2.0281	0	0.0243	2.0524	0.5677	0	0.0069	0.5746
664	20.4	20.5	2.0276	0	0.0236	2.0513	0.5578	0	-0.0023	0.5555
665	20.2	20.3	2.0267	0	0.0233	2.05	0.5423	0	-0.0069	0.5353
666	19.6	20.1	2.0255	0	0.0232	2.0487	0.5276	0	-0.0065	0.521
667	19.4	19.9	2.0246	0	0.0225	2.0471	0.5138	0	0.0036	0.5175
668	19.4	19.7	2.0243	0	0.0214	2.0456	0.4928	0	0.009	0.5018
669	18.3	19.4	2.0239	0	0.0196	2.0435	0.4787	0	0.036	0.5147
670	19.5	19.1	2.0241	0	0.0196	2.0437	0.4575	0	0.0191	0.4765
671	19	18.8	2.0236	0	0.0191	2.0426	0.4407	0	0.0117	0.4523
672	18.8	18.5	2.0241	0	0.0187	2.0427	0.4267	0	-0.0124	0.4143
673	18.9	18.3	2.0245	0	0.0174	2.0419	0.4137	0	-0.0267	0.387
674	18.4	18	2.0248	0	0.0167	2.0415	0.4045	0	-0.0342	0.3703
675	17.7	17.7	2.0256	0	0.0168	2.0424	0.3987	0	-0.052	0.3467
676	17.6	17.4	2.0263	0	0.017	2.0433	0.3923	0	-0.0659	0.3264
677	17.6	17.1	2.0264	0	0.0169	2.0433	0.3863	0	-0.067	0.3194
678	17.3	16.8	2.0259	0	0.017	2.0429	0.3825	0	-0.0831	0.2994
679	16.9	16.6	2.0251	0	0.0176	2.0428	0.3757	0	-0.0791	0.2966
680	15.8	16.3	2.0245	0	0.0177	2.0423	0.3724	0	-0.0918	0.2805
681	16.2	16	2.0239	0	0.0182	2.0421	0.3742	0	-0.0906	0.2836
682	16	15.8	2.0226	0	0.0216	2.0442	0.3725	0	-0.0726	0.2999
683	14.5	15.6	2.022	0	0.02	2.042	0.3671	0	-0.0711	0.296
684	14.5	15.3	2.0217	0	0.0209	2.0426	0.3565	0	-0.0683	0.2881
685	14.3	15.1	2.0212	0	0.021	2.0422	0.3472	0	-0.0591	0.2881
686	14.2	14.9	2.0212	0	0.0216	2.0428	0.3422	0	-0.052	0.2902
687	13.7	14.7	2.0211	0	0.0218	2.043	0.3368	0	-0.05	0.2868
688	13.9	14.5	2.0208	0	0.0226	2.0434	0.3348	0	-0.0391	0.2957
689	14.1	14.3	2.0203	0	0.0236	2.0439	0.3304	0	-0.0277	0.3027
690	13.9	14.2	2.0199	0	0.0228	2.0426	0.3176	0	-0.0212	0.2964
691	14.9	14	2.0194	0	0.0214	2.0408	0.3083	0	-0.016	0.2923
692	14.2	13.9	2.019	0	0.0228	2.0418	0.299	0	-0.0129	0.2861
693	13.7	13.8	2.0184	0	0.0225	2.0409	0.2891	0	-0.0001	0.289
694	13.8	13.7	2.0183	0	0.0229	2.0412	0.2691	0	-0.0166	0.2524

695	13.5	13.6	2.018	0	0.0217	2.0398	0.255	0	-0.0083	0.2466
696	13.6	13.6	2.0178	0	0.0228	2.0407	0.2473	0	0.0078	0.255
697	14.1	13.5	2.0177	0	0.0219	2.0396	0.2445	0	0.0093	0.2538
698	13.7	13.4	2.0173	0	0.0223	2.0396	0.2339	0	-0.0053	0.2286
699	13.2	13.4	2.0169	0	0.0225	2.0393	0.219	0	-0.0114	0.2076
700	12.9	13.3	2.0163	0	0.0224	2.0387	0.2151	0	-0.0354	0.1797
701	12.9	13.2	2.0159	0	0.0223	2.0382	0.2097	0	-0.0122	0.1975
702	13	13.1	2.0156	0	0.0215	2.0371	0.2146	0	0.0053	0.2199
703	12.9	13.1	2.0153	0	0.0208	2.0361	0.227	0	0.0036	0.2306
704	12.6	13	2.0152	0	0.0216	2.0368	0.222	0	0.0206	0.2427
705	12.8	13	2.0149	0	0.0208	2.0357	0.2167	0	0.0222	0.239
706	12.9	12.9	2.0149	0	0.0198	2.0347	0.213	0	0.0151	0.2282
707	12.6	12.8	2.0152	0	0.0201	2.0352	0.2106	0	0.0367	0.2473
708	12.7	12.8	2.0155	0	0.0211	2.0367	0.2077	0	0.0287	0.2363
709	12.4	12.8	2.0159	0	0.0211	2.037	0.2048	0	0.0199	0.2247
710	12.9	12.8	2.0162	0	0.0213	2.0376	0.199	0	0.0192	0.2182
711	13.3	12.7	2.0164	0	0.022	2.0384	0.1911	0	0.0015	0.1925
712	13	12.7	2.0162	0	0.0228	2.0391	0.1826	0	-0.0038	0.1788
713	12.4	12.6	2.016	0	0.0238	2.0398	0.1732	0	-0.0084	0.1649
714	12.3	12.6	2.0161	0	0.0245	2.0406	0.1751	0	-0.0061	0.1689
715	12.5	12.6	2.0163	0	0.0243	2.0405	0.1684	0	-0.0077	0.1606
716	12.7	12.5	2.0165	0	0.0237	2.0403	0.1616	0	-0.0127	0.149
717	12.9	12.5	2.0169	0	0.0229	2.0398	0.1501	0	-0.0119	0.1382
718	12.7	12.5	2.017	0	0.0198	2.0368	0.1416	0	-0.0284	0.1133
719	12.8	12.6	2.0175	0	0.0208	2.0383	0.1407	0	-0.0329	0.1078
720	12.7	12.5	2.0176	0	0.021	2.0386	0.1398	0	-0.0554	0.0845
721	11.8	12.5	2.0177	0	0.0223	2.04	0.1471	0	-0.0559	0.0912
722	11.8	12.5	2.0177	0	0.0236	2.0413	0.1481	0	-0.0531	0.095
723	12.3	12.5	2.0174	0	0.0244	2.0418	0.1566	0	-0.0574	0.0992
724	12.3	12.5	2.0172	0	0.0249	2.0421	0.1631	0	-0.0605	0.1026
725	12.1	12.4	2.0172	0	0.0252	2.0424	0.1671	0	-0.0634	0.1037
726	12.3	12.4	2.0173	0	0.0258	2.0432	0.1761	0	-0.0582	0.1178
727	12.8	12.4	2.0174	0	0.0271	2.0445	0.1877	0	-0.0551	0.1326
728	13	12.4	2.0175	0	0.0262	2.0437	0.1922	0	-0.0505	0.1418
729	12.5	12.4	2.0171	0	0.0265	2.0436	0.1875	0	-0.037	0.1505
730	12	12.4	2.0162	0	0.0274	2.0435	0.1801	0	-0.0344	0.1457
731	12.7	12.4	2.0157	0	0.0276	2.0432	0.1735	0	-0.0389	0.1345

732	12.8	12.4	2.0154	0	0.0274	2.0428	0.1683	0	-0.0427	0.1256
733	12.2	12.4	2.0153	0	0.0265	2.0418	0.1577	0	-0.0098	0.1479
734	12.1	12.4	2.0151	0	0.0262	2.0413	0.153	0	-0.0256	0.1275
735	12.2	12.4	2.0146	0	0.0263	2.0409	0.1503	0	-0.0277	0.1226
736	12.5	12.3	2.0144	0	0.0258	2.0403	0.1446	0	-0.0239	0.1207
737	12.9	12.3	2.0143	0	0.0253	2.0396	0.139	0	-0.0167	0.1223
738	12.6	12.2	2.014	0	0.0249	2.0388	0.1336	0	-0.0261	0.1075
739	12	12.2	2.0141	0	0.0234	2.0375	0.1297	0	-0.0304	0.0993
740	12.1	12.1	2.0139	0	0.0236	2.0375	0.1228	0	-0.0061	0.1167
741	11.9	12.1	2.0138	0	0.0238	2.0376	0.1154	0	-0.0108	0.1046
742	12.2	12	2.0138	0	0.023	2.0368	0.1095	0	-0.025	0.0845
743	12.4	12	2.0145	0	0.0249	2.0394	0.1066	0	-0.0167	0.0899
744	11.8	12	2.0147	0	0.0246	2.0393	0.1024	0	-0.0286	0.0738
745	11.5	12	2.0148	0	0.024	2.0389	0.102	0	-0.0337	0.0683
746	11.9	12	2.0147	0	0.0243	2.039	0.1	0	-0.0504	0.0495
747	11.9	11.9	2.0146	0	0.0252	2.0398	0.1006	0	-0.0396	0.0611
748	11.5	11.9	2.0147	0	0.0264	2.0411	0.1006	0	-0.0536	0.047
749	11.6	12	2.0145	0	0.0276	2.0421	0.1002	0	-0.0456	0.0546
750	11.3	12	2.0145	0	0.028	2.0426	0.1017	0	-0.0312	0.0705
751	11.8	12	2.0141	0	0.0268	2.041	0.1049	0	-0.0262	0.0787
752	12	12	2.0134	0	0.0272	2.0406	0.1029	0	-0.0283	0.0745
753	11.9	12	2.0134	0	0.0279	2.0413	0.1034	0	-0.0314	0.072
754	12.3	12	2.013	0	0.0275	2.0405	0.1061	0	-0.0408	0.0653
755	12	12	2.0122	0	0.0271	2.0393	0.1072	0	-0.0305	0.0767
756	12	12.1	2.0113	0	0.0244	2.0358	0.1058	0	-0.0257	0.08
757	12.8	12.1	2.0108	0	0.0249	2.0358	0.1148	0	-0.0295	0.0853
758	12.7	12.1	2.0106	0	0.0253	2.0358	0.1225	0	-0.0244	0.098
759	12	12.2	2.0104	0	0.0245	2.0349	0.1251	0	-0.0292	0.0959
760	12.2	12.3	2.0103	0	0.0251	2.0354	0.1279	0	-0.0348	0.0931
761	12.2	12.3	2.0103	0	0.0252	2.0355	0.1342	0	-0.0311	0.1031
762	11.9	12.4	2.0107	0	0.0249	2.0356	0.1433	0	-0.0213	0.122
763	12	12.3	2.0106	0	0.0249	2.0355	0.1454	0	-0.0125	0.1329
764	12.4	12.3	2.0108	0	0.0244	2.0352	0.1446	0	-0.0041	0.1405
765	12.6	12.3	2.0105	0	0.0246	2.0351	0.1483	0	0.0018	0.1501
766	12.2	12.3	2.0105	0	0.0244	2.0349	0.1521	0	-0.0034	0.1486
767	12.8	12.2	2.0104	0	0.0254	2.0358	0.154	0	-0.0122	0.1418
768	12.4	12.2	2.0102	0	0.0247	2.0349	0.1581	0	-0.0187	0.1395

769	12.6	12.2	2.0099	0	0.0251	2.0351	0.1621	0	-0.0346	0.1275
770	13.1	12.2	2.0094	0	0.0252	2.0346	0.1685	0	-0.0013	0.1672
771	12.5	12.2	2.0087	0	0.0244	2.0331	0.1749	0	0.0117	0.1866
772	11.5	12.2	2.0084	0	0.0244	2.0328	0.1773	0	0.0171	0.1944
773	11.3	12.2	2.0082	0	0.0234	2.0316	0.1782	0	0.0238	0.202
774	11.6	12.2	2.0081	0	0.023	2.0311	0.1754	0	0.0378	0.2132
775	12.1	12.1	2.008	0	0.0226	2.0306	0.1711	0	0.0476	0.2188
776	12.2	12.1	2.0075	0	0.0225	2.03	0.1656	0	0.0491	0.2147
777	12.7	12	2.0072	0	0.022	2.0291	0.1588	0	0.0596	0.2184
778	12	11.9	2.0072	0	0.0207	2.0278	0.1541	0	0.0806	0.2348
779	11.9	11.9	2.0071	0	0.0211	2.0282	0.151	0	0.0728	0.2238
780	12.3	11.8	2.0072	0	0.0216	2.0288	0.1423	0	0.0741	0.2164
781	12.2	11.8	2.0071	0	0.0225	2.0296	0.1315	0	0.0813	0.2128
782	11.8	11.8	2.0069	0	0.0226	2.0295	0.1268	0	0.0813	0.2081
783	11.6	11.8	2.0067	0	0.0225	2.0292	0.1282	0	0.062	0.1902
784	11.4	11.8	2.0066	0	0.0237	2.0303	0.1298	0	0.0468	0.1766
785	11.4	11.8	2.0068	0	0.0234	2.0302	0.1269	0	0.0529	0.1797
786	11.2	11.7	2.0073	0	0.0233	2.0306	0.1257	0	0.0641	0.1898
787	11.4	11.7	2.0078	0	0.0244	2.0322	0.1254	0	0.0733	0.1987
788	11.2	11.6	2.0078	0	0.0256	2.0334	0.1211	0	0.0743	0.1953
789	12.2	11.6	2.008	0	0.0242	2.0322	0.1137	0	0.0662	0.18
790	11.9	11.6	2.0083	0	0.0238	2.0321	0.1143	0	0.0378	0.1521
791	11.5	11.6	2.0085	0	0.0239	2.0324	0.1144	0	0.015	0.1293
792	11.4	11.5	2.0083	0	0.0244	2.0328	0.1151	0	0.0103	0.1254
793	11.5	11.5	2.0082	0	0.0254	2.0335	0.1161	0	0.0106	0.1267
794	11.5	11.5	2.0081	0	0.0263	2.0344	0.1254	0	0.0271	0.1524
795	11.4	11.5	2.008	0	0.0268	2.0348	0.1279	0	0.0348	0.1627
796	11.8	11.5	2.0078	0	0.0268	2.0346	0.1339	0	0.0346	0.1685
797	11.5	11.5	2.0076	0	0.0273	2.0349	0.1332	0	0.037	0.1702
798	12	11.5	2.0073	0	0.0268	2.0342	0.1323	0	0.0445	0.1768
799	11.3	11.4	2.0067	0	0.0256	2.0323	0.1329	0	0.0448	0.1777
800	11.6	11.4	2.0058	0	0.025	2.0308	0.1326	0	0.0533	0.1859
801	11.4	11.4	2.0056	0	0.0251	2.0307	0.1343	0	0.0599	0.1942
802	11.3	11.4	2.0052	0	0.0247	2.0299	0.1303	0	0.0358	0.1661
803	11.3	11.4	2.0047	0	0.0249	2.0296	0.124	0	0.0377	0.1617
804	11.3	11.3	2.0045	0	0.0246	2.0292	0.1279	0	0.0442	0.1721
805	11.2	11.4	2.0043	0	0.0233	2.0276	0.1229	0	0.051	0.1739

806	11	11.3	2.0034	0	0.0228	2.0262	0.1153	0	0.0588	0.1742
807	11	11.3	2.0029	0	0.0225	2.0254	0.1097	0	0.0317	0.1414
808	11.1	11.3	2.003	0	0.0241	2.0271	0.1038	0	0.0304	0.1342
809	11.5	11.3	2.0031	0	0.0246	2.0277	0.1012	0	0.0272	0.1284
810	11.3	11.2	2.0028	0	0.0244	2.0273	0.0979	0	0.0019	0.0998
811	11.2	11.3	2.0021	0	0.0242	2.0262	0.0976	0	-0.0065	0.0911
812	11.1	11.3	2.0017	0	0.0241	2.0258	0.0989	0	-0.0063	0.0926
813	11.3	11.2	2.0015	0	0.0242	2.0257	0.1005	0	-0.0099	0.0907
814	11.7	11.3	2.0012	0	0.0244	2.0256	0.0984	0	-0.0174	0.081
815	11.7	11.3	2.001	0	0.0246	2.0257	0.0975	0	-0.0262	0.0713
816	11.3	11.3	2.0011	0	0.0249	2.0261	0.0922	0	-0.0258	0.0664
817	11.2	11.3	2.0011	0	0.0248	2.0259	0.0891	0	-0.0206	0.0684
818	11	11.3	2.0008	0	0.0233	2.024	0.0883	0	-0.0067	0.0816
819	11.1	11.3	2.0007	0	0.0209	2.0216	0.0853	0	-0.0158	0.0695
820	11.8	11.3	2.0001	0	0.0198	2.0199	0.0796	0	-0.0102	0.0694
821	11	11.3	2	0	0.0206	2.0206	0.0741	0	-0.032	0.0422
822	11.1	11.2	1.9999	0	0.0212	2.0211	0.0669	0	-0.0533	0.0136
823	11.5	11.2	1.9999	0	0.0206	2.0205	0.063	0	-0.0531	0.0098
824	11.4	11.2	2.0001	0	0.0201	2.0202	0.0632	0	-0.0631	0
825	11.6	11.1	2.0007	0	0.0203	2.0209	0.0667	0	-0.0644	0.0023
826	11.4	11.1	2.0015	0	0.0199	2.0213	0.0717	0	-0.0701	0.0016
827	10.7	11	2.002	0	0.019	2.021	0.0714	0	-0.0659	0.0056
828	10.9	11	2.0024	0	0.019	2.0213	0.0696	0	-0.0701	-0.0006
829	11.6	11	2.0028	0	0.0191	2.022	0.0698	0	-0.0897	-0.0199
830	11	10.9	2.003	0	0.0192	2.0222	0.0701	0	-0.0856	-0.0154
831	10.5	10.9	2.003	0	0.0194	2.0224	0.0728	0	-0.0803	-0.0075
832	10.9	10.9	2.0026	0	0.0212	2.0238	0.0743	0	-0.0665	0.0077
833	10.5	10.9	2.0023	0	0.0218	2.0242	0.0744	0	-0.0611	0.0133
834	10.5	10.8	2.0024	0	0.0209	2.0233	0.0737	0	-0.0555	0.0182
835	10.4	10.8	2.0021	0	0.0199	2.022	0.0751	0	-0.0394	0.0357
836	10.3	10.8	2.0019	0	0.0185	2.0204	0.0798	0	-0.0445	0.0354
837	10.7	10.7	2.0022	0	0.0178	2.02	0.0856	0	-0.0429	0.0427
838	10.9	10.7	2.0026	0	0.0183	2.0208	0.0917	0	-0.0287	0.063
839	10.5	10.7	2.0026	0	0.0196	2.0223	0.091	0	-0.0078	0.0832
840	10.6	10.6	2.0025	0	0.0221	2.0246	0.0943	0	-0.0251	0.0692
841	10.9	10.6	2.0023	0	0.0228	2.0251	0.0971	0	-0.0261	0.071
842	11.2	10.6	2.0022	0	0.0219	2.0241	0.1001	0	-0.0228	0.0773

843	10.9	10.6	2.002	0	0.0222	2.0242	0.1027	0	-0.0206	0.0821
844	10.9	10.6	2.0019	0	0.0211	2.023	0.1071	0	-0.0109	0.0962
845	10.6	10.6	2.0014	0	0.0206	2.022	0.1119	0	-0.0052	0.1068
846	10.3	10.6	2.0014	0	0.0206	2.0219	0.1133	0	-0.004	0.1093
847	10.4	10.6	2.0014	0	0.0207	2.0221	0.1124	0	-0.0094	0.103
848	10.5	10.6	2.0014	0	0.0219	2.0233	0.1144	0	-0.0192	0.0952
849	10.6	10.6	2.0013	0	0.0222	2.0235	0.1136	0	-0.0244	0.0892
850	10.6	10.7	2.0011	0	0.022	2.0231	0.1099	0	-0.0408	0.0691
851	10.3	10.7	2.0011	0	0.0233	2.0244	0.1003	0	-0.0449	0.0554
852	10.6	10.6	2.001	0	0.0234	2.0244	0.0989	0	-0.043	0.0559
853	10.6	10.6	2.0006	0	0.0235	2.0241	0.101	0	-0.0402	0.0608
854	10.3	10.6	2.0007	0	0.0224	2.0231	0.099	0	-0.0393	0.0597
855	10.4	10.6	2.0007	0	0.0212	2.0219	0.1014	0	-0.0362	0.0652
856	9.74	10.7	2.0004	0	0.0213	2.0216	0.1023	0	-0.0394	0.0629
857	10.5	10.7	2.0004	0	0.0219	2.0223	0.0946	0	-0.0387	0.0559
858	11.6	10.7	2.0004	0	0.0226	2.023	0.0924	0	-0.0395	0.0528
859	11.6	10.8	2.0006	0	0.0243	2.0249	0.0982	0	-0.0212	0.077
860	10.9	10.8	2.0005	0	0.0257	2.0262	0.1022	0	-0.0087	0.0935
861	10.6	10.9	2.0004	0	0.0258	2.0263	0.1003	0	-0.0044	0.0959
862	10.6	11	2.0006	0	0.0259	2.0265	0.0928	0	-0.0035	0.0892
863	10.6	11	2.0008	0	0.0266	2.0274	0.0907	0	-0.0105	0.0802
864	11.2	11.1	2.001	0	0.027	2.0281	0.0894	0	-0.0138	0.0756
865	10.8	11.2	2.0013	0	0.0272	2.0285	0.0863	0	-0.0124	0.0739
866	10.7	11.3	2.0016	0	0.0264	2.028	0.0871	0	-0.0181	0.0689
867	11.4	11.3	2.0016	0	0.026	2.0276	0.0899	0	-0.0128	0.0771
868	11.7	11.3	2.0017	0	0.0262	2.0279	0.0875	0	-0.0129	0.0747
869	11.6	11.3	2.002	0	0.0262	2.0281	0.0834	0	-0.0324	0.051
870	11.6	11.4	2.002	0	0.0284	2.0304	0.0864	0	-0.0566	0.0298
871	11.7	11.4	2.0021	0	0.0297	2.0318	0.0865	0	-0.0673	0.0192
872	11.9	11.5	2.0021	0	0.0297	2.0318	0.0898	0	-0.0511	0.0387
873	11.9	11.5	2.0019	0	0.0297	2.0316	0.0872	0	-0.0454	0.0418
874	11.6	11.6	2.0014	0	0.0295	2.0309	0.0861	0	-0.0313	0.0547
875	12.1	11.7	2.0008	0	0.0296	2.0304	0.0853	0	0.0115	0.0967
876	11.5	11.7	2.0004	0	0.0291	2.0295	0.0923	0	-0.0068	0.0855
877	11.2	11.7	2.0002	0	0.029	2.0292	0.0958	0	-0.0145	0.0814
878	11.7	11.7	2.0002	0	0.0296	2.0298	0.0979	0	-0.0108	0.0871
879	11.3	11.7	2.0001	0	0.0296	2.0297	0.1011	0	-0.0101	0.091

880	11.3	11.7	1.9999	0	0.0297	2.0296	0.1038	0	-0.007	0.0968
881	11.7	11.7	1.9997	0	0.0291	2.0288	0.099	0	0.0009	0.1
882	12.1	11.7	1.9994	0	0.0287	2.0281	0.0936	0	-0.0041	0.0895
883	12.5	11.7	1.9993	0	0.0281	2.0274	0.093	0	0.0048	0.0978
884	12.5	11.6	1.9991	0	0.0276	2.0268	0.0945	0	0.0119	0.1064
885	11.8	11.6	1.9988	0	0.0278	2.0266	0.0947	0	0.0014	0.0961
886	11.4	11.6	1.9988	0	0.0276	2.0263	0.0945	0	0.0062	0.1006
887	11.8	11.6	1.9986	0	0.0273	2.0259	0.0978	0	-0.0077	0.0902
888	11.6	11.6	1.9987	0	0.0264	2.0251	0.1033	0	-0.016	0.0873
889	11.4	11.6	1.9986	0	0.0267	2.0253	0.1109	0	-0.0337	0.0772
890	11.4	11.6	1.9986	0	0.0264	2.025	0.115	0	-0.0303	0.0847
891	11.2	11.6	1.9985	0	0.0262	2.0246	0.115	0	-0.0056	0.1094
892	11.4	11.5	1.9981	0	0.0265	2.0246	0.1139	0	-0.002	0.1119
893	11.3	11.5	1.9974	0	0.0265	2.0239	0.1135	0	-0.0108	0.1026
894	11.2	11.4	1.9969	0	0.0268	2.0237	0.1129	0	-0.0057	0.1072
895	11.2	11.4	1.9967	0	0.0272	2.0239	0.1111	0	-0.0195	0.0915
896	11.3	11.4	1.9965	0	0.0277	2.0243	0.1054	0	-0.029	0.0764
897	11.7	11.4	1.9962	0	0.0292	2.0254	0.1056	0	-0.0221	0.0835
898	11.4	11.4	1.996	0	0.0293	2.0252	0.1068	0	-0.0262	0.0806
899	11.1	11.4	1.9957	0	0.0297	2.0254	0.1063	0	-0.023	0.0833
900	11.2	11.4	1.9958	0	0.0295	2.0253	0.104	0	-0.0208	0.0832
901	11.2	11.4	1.9957	0	0.0294	2.0251	0.1025	0	-0.0226	0.08
902	11.6	11.4	1.9951	0	0.0287	2.0238	0.1044	0	-0.0155	0.0888
903	11.4	11.4	1.9948	0	0.0289	2.0236	0.1061	0	-0.0186	0.0875
904	11.7	11.4	1.9944	0	0.0283	2.0226	0.1035	0	-0.0132	0.0903
905	11.5	11.4	1.9941	0	0.0273	2.0214	0.1034	0	-0.0108	0.0926
906	11.3	11.4	1.994	0	0.0267	2.0206	0.1051	0	-0.016	0.0891
907	11.4	11.3	1.9937	0	0.0265	2.0201	0.1028	0	-0.0003	0.1025
908	11.3	11.3	1.9932	0	0.0262	2.0194	0.1053	0	0.0115	0.1168
909	11.3	11.3	1.9929	0	0.0255	2.0183	0.102	0	0.027	0.129
910	12	11.3	1.9928	0	0.0249	2.0177	0.0997	0	0.0395	0.1392
911	11.3	11.3	1.9928	0	0.0245	2.0173	0.0987	0	0.0455	0.1442
912	11.2	11.3	1.9926	0	0.0251	2.0178	0.1022	0	0.0394	0.1416
913	11.2	11.3	1.9926	0	0.0255	2.0181	0.1117	0	0.032	0.1437
914	11.2	11.3	1.9926	0	0.0256	2.0182	0.1193	0	0.0326	0.1519
915	11	11.2	1.9923	0	0.0264	2.0188	0.1251	0	0.0333	0.1584
916	10.9	11.3	1.9921	0	0.0262	2.0184	0.131	0	0.0316	0.1626

917	11.2	11.3	1.9923	0	0.0261	2.0184	0.1409	0	0.0211	0.162
918	11.4	11.3	1.9924	0	0.0265	2.0189	0.148	0	0.0168	0.1648
919	11.1	11.3	1.992	0	0.0266	2.0186	0.1478	0	0.0268	0.1747
920	11.2	11.2	1.9915	0	0.0266	2.018	0.1542	0	0.024	0.1783
921	11	11.3	1.991	0	0.0257	2.0167	0.1532	0	0.0404	0.1937
922	11.3	11.3	1.9912	0	0.0257	2.0169	0.1543	0	0.0567	0.2109
923	11.2	11.3	1.9913	0	0.0237	2.015	0.154	0	0.0634	0.2174
924	11.1	11.3	1.9916	0	0.019	2.0105	0.1491	0	0.0663	0.2154
925	11.5	11.3	1.9914	0	0.0209	2.0124	0.142	0	0.0671	0.209
926	11.5	11.2	1.9919	0	0.0213	2.0132	0.1336	0	0.0747	0.2082
927	11.3	11.2	1.9922	0	0.0201	2.0123	0.1283	0	0.0739	0.2022
928	11.4	11.1	1.9922	0	0.02	2.0122	0.1277	0	0.0762	0.2039
929	11.6	11.1	1.9925	0	0.0198	2.0123	0.1264	0	0.0829	0.2093
930	11.6	11.1	1.9931	0	0.0191	2.0122	0.131	0	0.0754	0.2064
931	11.2	11.1	1.9936	0	0.0199	2.0135	0.1332	0	0.0678	0.201
932	11.3	11.1	1.9933	0	0.0207	2.014	0.1349	0	0.0748	0.2097
933	11.5	11	1.9929	0	0.0206	2.0135	0.1362	0	0.0632	0.1994
934	10.7	11	1.9929	0	0.0208	2.0137	0.1348	0	0.0448	0.1795
935	10.3	10.9	1.9926	0	0.0193	2.0119	0.1343	0	0.0382	0.1724
936	10.3	10.9	1.9921	0	0.0193	2.0114	0.1365	0	0.0409	0.1774
937	10.5	10.9	1.9919	0	0.0194	2.0113	0.1434	0	0.0405	0.1839
938	10.9	10.8	1.9915	0	0.0216	2.0131	0.1484	0	0.0433	0.1917
939	10.9	10.7	1.9911	0	0.0227	2.0138	0.153	0	0.0289	0.1819
940	10.8	10.7	1.991	0	0.0227	2.0136	0.1524	0	0.0307	0.1831
941	10.7	10.7	1.9909	0	0.023	2.0139	0.1559	0	0.0275	0.1834
942	10.5	10.6	1.9908	0	0.023	2.0138	0.1626	0	0.0266	0.1892
943	10.3	10.6	1.9907	0	0.0228	2.0135	0.163	0	0.0316	0.1946
944	10.3	10.6	1.9908	0	0.023	2.0138	0.1589	0	0.0237	0.1826
945	10.9	10.6	1.9909	0	0.0235	2.0144	0.1534	0	0.0283	0.1817
946	10.5	10.7	1.9908	0	0.0228	2.0136	0.1462	0	0.0332	0.1793
947	10.3	10.8	1.9907	0	0.0233	2.0141	0.1413	0	0.038	0.1793
948	10.3	10.8	1.9908	0	0.0242	2.015	0.1389	0	0.0568	0.1956
949	10.7	10.8	1.9909	0	0.0243	2.0152	0.1381	0	0.0638	0.2018
950	10.8	10.8	1.9908	0	0.0243	2.0152	0.1371	0	0.0736	0.2107
951	10.7	10.8	1.9907	0	0.0248	2.0155	0.1378	0	0.0859	0.2236
952	10.7	10.8	1.9904	0	0.0253	2.0157	0.1342	0	0.0831	0.2173
953	10.8	10.9	1.9903	0	0.0248	2.0151	0.132	0	0.0874	0.2194

954	11.1	10.9	1.9904	0	0.0235	2.0139	0.128	0	0.0873	0.2154
955	11.6	11	1.9902	0	0.0228	2.013	0.1217	0	0.0776	0.1993
956	11.4	11	1.9901	0	0.0213	2.0114	0.116	0	0.0564	0.1724
957	11	11	1.9899	0	0.0207	2.0107	0.1108	0	0.056	0.1669
958	10.9	11.1	1.9902	0	0.0199	2.0101	0.1058	0	0.0587	0.1645
959	11	11.1	1.9906	0	0.0204	2.011	0.0998	0	0.0553	0.1551
960	11	11.2	1.9906	0	0.0212	2.0118	0.0948	0	0.0622	0.157
961	11	11.2	1.9902	0	0.0219	2.0121	0.0946	0	0.0658	0.1605
962	11.3	11.2	1.9895	0	0.0227	2.0121	0.098	0	0.057	0.155
963	11.5	11.3	1.9888	0	0.0234	2.0122	0.0971	0	0.0409	0.138
964	11.2	11.3	1.9885	0	0.0237	2.0122	0.0978	0	0.0359	0.1337
965	11.1	11.4	1.9882	0	0.024	2.0122	0.1002	0	0.05	0.1502
966	11.5	11.4	1.9875	0	0.0243	2.0118	0.099	0	0.0693	0.1683
967	11.5	11.4	1.9868	0	0.0244	2.0112	0.0943	0	0.0692	0.1635
968	11.1	11.4	1.9869	0	0.0236	2.0104	0.0934	0	0.0644	0.1578
969	11.2	11.4	1.9866	0	0.0238	2.0103	0.0955	0	0.0668	0.1623
970	11.5	11.5	1.9867	0	0.0243	2.011	0.0947	0	0.0744	0.1691
971	11.6	11.5	1.9866	0	0.024	2.0107	0.0918	0	0.0825	0.1743
972	11.9	11.6	1.9867	0	0.0234	2.0101	0.091	0	0.0713	0.1623
973	12.1	11.5	1.987	0	0.0231	2.0101	0.0962	0	0.08	0.1763
974	11.9	11.6	1.9872	0	0.0228	2.01	0.1	0	0.0568	0.1567
975	11.8	11.6	1.9875	0	0.0221	2.0096	0.1053	0	0.0044	0.1097
976	11.6	11.6	1.9876	0	0.0217	2.0093	0.1064	0	0.0211	0.1275
977	11.1	11.6	1.9874	0	0.0214	2.0088	0.1128	0	0.0226	0.1354
978	11.2	11.6	1.9876	0	0.0214	2.0089	0.1192	0	0.0078	0.127
979	11.5	11.6	1.987	0	0.0221	2.0091	0.1225	0	0.0038	0.1263
980	12.1	11.7	1.9866	0	0.0229	2.0095	0.1245	0	0.0073	0.1318
981	12.1	11.7	1.9862	0	0.0216	2.0078	0.13	0	-0.0095	0.1205
982	11.4	11.7	1.9858	0	0.0224	2.0082	0.1327	0	0.0029	0.1355
983	11.8	11.7	1.9858	0	0.0236	2.0094	0.1277	0	0.0126	0.1403
984	11.8	11.7	1.9857	0	0.0238	2.0095	0.1244	0	0.0107	0.1351
985	11.4	11.7	1.9851	0	0.0237	2.0089	0.1279	0	0.0131	0.1411
986	11.2	11.7	1.9844	0	0.0235	2.0079	0.1293	0	-0.0096	0.1197
987	11.2	11.7	1.9838	0	0.023	2.0068	0.127	0	-0.0255	0.1014
988	11.9	11.7	1.9834	0	0.0235	2.0069	0.1259	0	-0.0364	0.0895
989	12.2	11.7	1.9834	0	0.0236	2.007	0.1218	0	-0.0202	0.1016
990	12.1	11.7	1.983	0	0.0237	2.0067	0.1139	0	-0.0167	0.0972

991	11.6	11.7	1.9822	0	0.0235	2.0057	0.1086	0	-0.0291	0.0794
992	11.5	11.7	1.9818	0	0.0233	2.0051	0.108	0	-0.0226	0.0854
993	11.9	11.7	1.9816	0	0.0241	2.0057	0.11	0	-0.0314	0.0787
994	12.3	11.7	1.9816	0	0.024	2.0055	0.1115	0	-0.0317	0.0798
995	11.6	11.6	1.9821	0	0.0239	2.0059	0.1171	0	-0.0222	0.0949
996	11.1	11.6	1.9824	0	0.0239	2.0063	0.12	0	-0.0063	0.1137
997	11.3	11.7	1.9823	0	0.0235	2.0058	0.1142	0	-0.0008	0.1134
998	11.6	11.6	1.9821	0	0.0229	2.005	0.1086	0	0.0123	0.1208
999	11.9	11.6	1.982	0	0.0223	2.0043	0.1106	0	0.0256	0.1362
1000	11.6	11.5	1.982	0	0.0209	2.0029	0.1148	0	0.0368	0.1516
1001	12	11.5	1.9823	0	0.0211	2.0034	0.1201	0	0.0432	0.1633
1002	11.5	11.4	1.9819	0	0.0199	2.0019	0.1237	0	0.0488	0.1725
1003	11.6	11.4	1.982	0	0.0201	2.0021	0.1244	0	0.0435	0.1679
1004	11.3	11.3	1.9822	0	0.0205	2.0027	0.1243	0	0.0396	0.1639
1005	11.1	11.2	1.9825	0	0.0216	2.0041	0.1243	0	0.0402	0.1645
1006	11.3	11.2	1.9829	0	0.0211	2.0039	0.1236	0	0.0465	0.1701
1007	11.2	11.2	1.9831	0	0.0206	2.0037	0.124	0	0.0359	0.1599
1008	11.1	11.1	1.9832	0	0.0206	2.0038	0.1228	0	0.0328	0.1556
1009	11.5	11.1	1.9834	0	0.0192	2.0026	0.1276	0	0.0234	0.151
1010	10.9	11	1.9833	0	0.0183	2.0016	0.132	0	0.0097	0.1417
1011	10.7	10.9	1.983	0	0.0188	2.0018	0.1324	0	0.0171	0.1495
1012	10.9	10.8	1.9829	0	0.0211	2.004	0.1289	0	0.0315	0.1604
1013	10.7	10.8	1.9828	0	0.022	2.0048	0.1241	0	0.0532	0.1773
1014	10.4	10.7	1.9826	0	0.0206	2.0032	0.1191	0	0.0619	0.181
1015	10.7	10.7	1.9824	0	0.0195	2.002	0.1151	0	0.0617	0.1768
1016	10.8	10.7	1.9827	0	0.0193	2.002	0.1106	0	0.0462	0.1568
1017	10.7	10.7	1.983	0	0.0196	2.0026	0.1021	0	0.0447	0.1467
1018	10.6	10.7	1.9829	0	0.0198	2.0027	0.0937	0	0.0531	0.1468
1019	10	10.7	1.9826	0	0.0191	2.0017	0.0944	0	0.0399	0.1343
1020	9.99	10.7	1.9823	0	0.0183	2.0006	0.0926	0	0.044	0.1365
1021	10	10.8	1.9819	0	0.0186	2.0005	0.0935	0	0.0552	0.1488
1022	10.6	10.8	1.9816	0	0.0177	1.9993	0.0986	0	0.0283	0.127
1023	10.9	10.8	1.9813	0	0.018	1.9993	0.1042	0	0.0237	0.1278
1024	10.7	10.8	1.981	0	0.0185	1.9996	0.1111	0	0.0241	0.1352
1025	11.1	10.9	1.9808	0	0.0188	1.9996	0.1134	0	0.0186	0.1319
1026	11.5	10.9	1.9806	0	0.0191	1.9997	0.1152	0	0.0093	0.1245
1027	11.2	10.9	1.9803	0	0.0193	1.9996	0.1182	0	0.0074	0.1256

1028	11.2	10.9	1.98	0	0.0196	1.9996	0.1196	0	0.011	0.1307
1029	11	10.9	1.98	0	0.0191	1.9991	0.1225	0	0.0184	0.1409
1030	11.8	11	1.9801	0	0.0201	2.0002	0.1203	0	0.0351	0.1554
1031	11.4	11.1	1.9804	0	0.0196	1.9999	0.1164	0	0.0312	0.1476
1032	10.8	11.1	1.9806	0	0.0194	2	0.1081	0	0.0249	0.133
1033	10.9	11.1	1.9805	0	0.0195	2	0.1067	0	0.0209	0.1276
1034	11	11.1	1.9801	0	0.0195	1.9996	0.1072	0	0.0371	0.1444
1035	10.9	11.2	1.9797	0	0.0202	1.9999	0.1098	0	0.0289	0.1387
1036	10.8	11.2	1.9794	0	0.0218	2.0012	0.1093	0	0.0303	0.1396
1037	11	11.2	1.9793	0	0.0231	2.0024	0.1042	0	0.0282	0.1324
1038	11	11.2	1.9793	0	0.0237	2.003	0.0995	0	0.0104	0.1099
1039	11.6	11.2	1.9797	0	0.0244	2.0041	0.0993	0	0.009	0.1083
1040	11.1	11.2	1.9801	0	0.0256	2.0057	0.0995	0	0.0111	0.1106
1041	10.7	11.2	1.9801	0	0.0252	2.0053	0.0951	0	0.0066	0.1017
1042	10.6	11.2	1.9798	0	0.0261	2.006	0.0869	0	-0.0067	0.0802
1043	11.7	11.2	1.9796	0	0.0259	2.0055	0.0836	0	-0.0024	0.0812
1044	11.7	11.2	1.9791	0	0.0253	2.0044	0.0807	0	0.0116	0.0923
1045	11.4	11.2	1.9789	0	0.0241	2.003	0.0834	0	0.0151	0.0985
1046	11.4	11.1	1.9794	0	0.0229	2.0023	0.0898	0	0.0186	0.1084
1047	11.3	11.1	1.9799	0	0.0221	2.002	0.0922	0	0.0216	0.1138
1048	11.1	11.1	1.9797	0	0.0216	2.0014	0.0903	0	0.0239	0.1142
1049	11.6	11.1	1.9794	0	0.0206	2	0.0903	0	0.0297	0.12
1050	11.5	11.1	1.9788	0	0.02	1.9988	0.0875	0	0.0229	0.1104
1051	11.2	11.1	1.9783	0	0.0199	1.9982	0.0842	0	0.0065	0.0906
1052	10.9	11.1	1.978	0	0.0209	1.9989	0.085	0	0.0165	0.1016
1053	10.7	11.1	1.9778	0	0.0209	1.9987	0.0763	0	-0.0032	0.0731
1054	10.5	11.1	1.9779	0	0.0195	1.9974	0.0712	0	0.0041	0.0754
1055	10.3	11	1.9778	0	0.0182	1.996	0.0696	0	0.0126	0.0821
1056	10.3	11	1.9777	0	0.0177	1.9954	0.0709	0	0.0319	0.1029
1057	10.8	11	1.9776	0	0.0175	1.9951	0.0752	0	0.0316	0.1068
1058	11.2	11	1.9775	0	0.0175	1.995	0.0804	0	0.0289	0.1094
1059	11.3	11	1.9774	0	0.0194	1.9968	0.087	0	0.0329	0.12
1060	11.6	11	1.9774	0	0.0195	1.9969	0.0905	0	0.0152	0.1057
1061	10.6	11	1.9773	0	0.0188	1.9961	0.0814	0	-0.0071	0.0743
1062	11	11	1.977	0	0.0174	1.9944	0.078	0	0.001	0.079
1063	11.2	11	1.9769	0	0.0172	1.9941	0.0822	0	0.021	0.1032
1064	11.3	11.1	1.977	0	0.0175	1.9946	0.0837	0	0.0303	0.114

1065	11.1	11.1	1.9772	0	0.0194	1.9965	0.0844	0	0.015	0.0994
1066	11.1	11.1	1.9773	0	0.0198	1.9971	0.0866	0	0.0049	0.0915
1067	11.2	11.1	1.9774	0	0.0191	1.9965	0.0939	0	0.0022	0.0961
1068	11	11.1	1.9775	0	0.0196	1.997	0.101	0	-0.0058	0.0952
1069	11.3	11.1	1.9773	0	0.0194	1.9967	0.1022	0	-0.0225	0.0797
1070	11.8	11.1	1.9773	0	0.0188	1.9961	0.1003	0	-0.0306	0.0696
1071	11.2	11.1	1.9768	0	0.0212	1.998	0.1019	0	-0.0337	0.0681
1072	11.1	11.1	1.9763	0	0.021	1.9973	0.0983	0	-0.0283	0.07
1073	10.9	11.1	1.9758	0	0.0207	1.9965	0.0948	0	-0.0412	0.0536
1074	10.9	11.1	1.9759	0	0.0209	1.9968	0.0889	0	-0.0393	0.0495
1075	10.7	11.1	1.9759	0	0.0212	1.9972	0.0859	0	-0.03	0.0559
1076	10.8	11	1.9757	0	0.021	1.9967	0.0864	0	-0.0194	0.067
1077	11.2	11	1.9755	0	0.0203	1.9957	0.0878	0	-0.0109	0.077
1078	11.3	11	1.9753	0	0.0195	1.9948	0.0881	0	-0.0072	0.0809
1079	11.4	11	1.975	0	0.0186	1.9936	0.0865	0	-0.0066	0.0798
1080	10.5	10.9	1.9749	0	0.0198	1.9947	0.0847	0	-0.0103	0.0744
1081	10.8	10.9	1.9754	0	0.0191	1.9945	0.0837	0	-0.001	0.0827
1082	10.8	10.9	1.9751	0	0.0203	1.9954	0.0818	0	-0.0024	0.0794
1083	11.2	10.9	1.9751	0	0.0199	1.995	0.0802	0	-0.0055	0.0747
1084	11	10.9	1.9747	0	0.0209	1.9957	0.0786	0	-0.0038	0.0748
1085	10.8	10.9	1.9742	0	0.0207	1.9949	0.0811	0	-0.0116	0.0695
1086	10.7	10.9	1.974	0	0.0207	1.9947	0.0801	0	-0.0048	0.0753
1087	10.5	10.9	1.9738	0	0.0219	1.9958	0.0787	0	0.0131	0.0919
1088	10.7	10.9	1.9735	0	0.0226	1.9961	0.0807	0	0.0254	0.1062
1089	11.4	10.9	1.9734	0	0.0225	1.9959	0.0847	0	0.0274	0.1121
1090	10.8	10.9	1.9735	0	0.023	1.9965	0.0912	0	0.0266	0.1178
1091	10.7	10.9	1.9735	0	0.0242	1.9977	0.0974	0	0.0366	0.1341
1092	10.9	10.9	1.9734	0	0.0236	1.997	0.1	0	0.038	0.138
1093	11.3	10.8	1.9735	0	0.0229	1.9964	0.0984	0	0.0648	0.1632
1094	10.7	10.8	1.9732	0	0.0225	1.9957	0.0957	0	0.0634	0.1591
1095	10.3	10.8	1.9731	0	0.022	1.9951	0.0931	0	0.0631	0.1562
1096	10.8	10.8	1.9732	0	0.0218	1.9949	0.0895	0	0.0498	0.1393
1097	11.3	10.9	1.9732	0	0.0211	1.9944	0.0918	0	0.0199	0.1117
1098	11.3	10.9	1.9731	0	0.0199	1.993	0.0938	0	0.0053	0.099
1099	10.8	10.9	1.9733	0	0.02	1.9933	0.0894	0	0.0116	0.101
1100	10.3	10.9	1.9736	0	0.0203	1.9939	0.084	0	0.0138	0.0978
1101	10.7	10.9	1.9738	0	0.0194	1.9932	0.076	0	0.0157	0.0917

1102	10.8	10.9	1.9743	0	0.0203	1.9946	0.0691	0	0.0086	0.0777
1103	10.9	10.9	1.9749	0	0.0197	1.9946	0.0675	0	0.0115	0.079
1104	11	10.9	1.9753	0	0.0192	1.9945	0.0672	0	0.0116	0.0788
1105	11	10.9	1.9754	0	0.0184	1.9938	0.0708	0	-0.0113	0.0595
1106	11.1	10.8	1.9754	0	0.0179	1.9933	0.0738	0	-0.0199	0.0539
1107	11.3	10.8	1.9751	0	0.0177	1.9928	0.0759	0	-0.0164	0.0594
1108	11.3	10.7	1.9745	0	0.0173	1.9919	0.0773	0	-0.0138	0.0635
1109	11	10.7	1.9743	0	0.0177	1.9921	0.076	0	-0.0203	0.0557
1110	11.1	10.7	1.9752	0	0.019	1.9942	0.0737	0	-0.0191	0.0546
1111	10.4	10.6	1.9752	0	0.0187	1.9939	0.0732	0	-0.0276	0.0455
1112	11.1	10.6	1.9747	0	0.019	1.9936	0.073	0	-0.0241	0.0489
1113	10.4	10.6	1.9744	0	0.0189	1.9934	0.0696	0	-0.0327	0.0369
1114	10.1	10.6	1.9741	0	0.0191	1.9932	0.0707	0	-0.0286	0.0421
1115	9.94	10.5	1.9738	0	0.019	1.9928	0.073	0	-0.0244	0.0486
1116	9.94	10.5	1.9733	0	0.0191	1.9924	0.074	0	-0.0079	0.066
1117	10.1	10.5	1.9729	0	0.0202	1.9931	0.0758	0	-0.0027	0.0731
1118	10.1	10.5	1.9727	0	0.0221	1.9947	0.0791	0	-0.008	0.0711
1119	10.4	10.5	1.9725	0	0.0222	1.9947	0.0803	0	-0.0013	0.079
1120	10.1	10.4	1.9721	0	0.0217	1.9938	0.0782	0	-0.0004	0.0778
1121	10.7	10.4	1.9721	0	0.0214	1.9935	0.0788	0	-0.0054	0.0735
1122	10.3	10.4	1.9721	0	0.0218	1.9939	0.0718	0	0.0237	0.0954
1123	10.6	10.4	1.9724	0	0.022	1.9944	0.0687	0	-0.0081	0.0607
1124	10.4	10.4	1.9724	0	0.0215	1.994	0.066	0	-0.0154	0.0506
1125	10.5	10.4	1.9722	0	0.0208	1.9929	0.0669	0	-0.0227	0.0442
1126	10.6	10.5	1.9718	0	0.0202	1.992	0.0696	0	-0.0196	0.05
1127	11	10.5	1.9715	0	0.02	1.9915	0.0706	0	-0.0182	0.0524
1128	11.1	10.5	1.9714	0	0.0202	1.9916	0.0694	0	-0.0218	0.0476
1129	10.3	10.5	1.9715	0	0.0201	1.9917	0.0682	0	-0.0185	0.0497
1130	10.8	10.5	1.9717	0	0.0202	1.9919	0.0686	0	-0.02	0.0486
1131	10.4	10.4	1.9722	0	0.0198	1.992	0.0653	0	0.0167	0.082
1132	10.3	10.4	1.9725	0	0.02	1.9925	0.0705	0	0.0015	0.072
1133	10.6	10.4	1.9726	0	0.0199	1.9925	0.0685	0	0.0101	0.0785
1134	10.4	10.4	1.972	0	0.0206	1.9926	0.0662	0	0.0089	0.0752
1135	10.2	10.3	1.9717	0	0.0207	1.9924	0.0601	0	0.0351	0.0952
1136	10.3	10.3	1.9715	0	0.0205	1.992	0.0549	0	0.0516	0.1066
1137	10.3	10.2	1.9712	0	0.0205	1.9917	0.054	0	0.0582	0.1122
1138	10.2	10.2	1.9708	0	0.0209	1.9918	0.0522	0	0.0714	0.1236

1139	10.1	10.2	1.9706	0	0.0217	1.9923	0.0486	0	0.0783	0.1269
1140	9.78	10.2	1.9704	0	0.0219	1.9923	0.0463	0	0.0799	0.1262
1141	10.1	10.2	1.9701	0	0.0214	1.9915	0.0444	0	0.0777	0.1221
1142	9.87	10.2	1.97	0	0.0197	1.9897	0.0455	0	0.0642	0.1097
1143	10.4	10.2	1.97	0	0.0196	1.9896	0.0478	0	0.0515	0.0993
1144	9.79	10.2	1.9698	0	0.019	1.9887	0.0585	0	0.0542	0.1127
1145	9.67	10.2	1.97	0	0.0191	1.9891	0.0632	0	0.0545	0.1177
1146	10.1	10.2	1.9702	0	0.0209	1.9911	0.0638	0	0.0498	0.1135
1147	10.3	10.2	1.9705	0	0.0216	1.9921	0.0662	0	0.0472	0.1134
1148	10.2	10.2	1.9708	0	0.0205	1.9913	0.067	0	0.0356	0.1027
1149	10.3	10.2	1.971	0	0.0193	1.9902	0.0641	0	0.0145	0.0785
1150	10.3	10.2	1.9712	0	0.0184	1.9897	0.0636	0	0.0077	0.0712
1151	10.5	10.2	1.9714	0	0.0191	1.9905	0.0671	0	0.0167	0.0838
1152	10.2	10.2	1.9712	0	0.0198	1.991	0.0666	0	0.0141	0.0807
1153	10.3	10.2	1.9711	0	0.0197	1.9908	0.0698	0	0.0154	0.0852
1154	11.1	10.2	1.9709	0	0.0206	1.9914	0.0758	0	0.0061	0.0819
1155	10.6	10.2	1.9704	0	0.0202	1.9906	0.0816	0	0.0028	0.0844
1156	9.79	10.2	1.9701	0	0.0193	1.9895	0.084	0	-0.0013	0.0827
1157	9.66	10.2	1.9699	0	0.0188	1.9887	0.0839	0	-0.0021	0.0818
1158	9.96	10.3	1.9699	0	0.0195	1.9894	0.0818	0	-0.0025	0.0793
1159	10	10.2	1.97	0	0.0213	1.9914	0.0772	0	-0.0076	0.0696
1160	9.89	10.3	1.9701	0	0.0222	1.9923	0.0776	0	-0.0051	0.0725
1161	10.5	10.3	1.97	0	0.0212	1.9912	0.0934	0	-0.0125	0.0809
1162	10.6	10.3	1.9701	0	0.0206	1.9907	0.094	0	-0.0102	0.0838
1163	9.98	10.3	1.9699	0	0.02	1.9899	0.0866	0	-0.0101	0.0766
1164	10	10.3	1.9697	0	0.02	1.9897	0.0848	0	-0.0162	0.0686
1165	10.3	10.3	1.9698	0	0.0202	1.9899	0.0834	0	-0.0159	0.0675
1166	10.5	10.3	1.9697	0	0.0201	1.9898	0.1398	0	-0.0739	0.0659
1167	10.4	10.3	1.9695	0	0.0199	1.9894	0.2117	0	-0.1472	0.0645
1168	10.2	10.3	1.9694	0	0.0197	1.9891	0.2149	0	-0.1365	0.0784
1169	10.8	10.3	1.9695	0	0.0194	1.9889	0.2218	0	-0.114	0.1078
1170	11.1	10.3	1.9694	0	0.0194	1.9888	0.225	0	-0.1117	0.1134
1171	10.1	10.3	1.9696	0	0.0188	1.9884	0.218	0	-0.1271	0.0909
1172	10.3	10.3	1.9694	0	0.0218	1.9913	0.2171	0	-0.1424	0.0747
1173	10.4	10.4	1.9692	0	0.0222	1.9915	0.2186	0	-0.1213	0.0973
1174	10.5	10.4	1.9692	0	0.0232	1.9924	0.2249	0	-0.1074	0.1175
1175	10.2	10.4	1.969	0	0.0232	1.9922	0.2288	0	-0.1074	0.1214

1176	10.2	10.4	1.9687	0	0.0228	1.9915	0.2261	0	-0.112	0.114
1177	10.4	10.4	1.9685	0	0.0225	1.991	0.2206	0	-0.1192	0.1014
1178	10.2	10.4	1.9685	0	0.0214	1.9899	0.2183	0	-0.1283	0.0901
1179	9.99	10.4	1.9681	0	0.0206	1.9887	0.2198	0	-0.1388	0.081
1180	10	10.4	1.9684	0	0.0181	1.9865	0.223	0	-0.1525	0.0705
1181	10.3	10.4	1.9683	0	0.019	1.9873	0.2288	0	-0.1534	0.0753
1182	10.9	10.4	1.9683	0	0.0193	1.9876	0.2388	0	-0.137	0.1018
1183	10.6	10.5	1.9685	0	0.019	1.9875	0.2424	0	-0.1425	0.0999
1184	10.6	10.5	1.9687	0	0.0174	1.9861	0.2446	0	-0.1454	0.0992
1185	10.9	10.5	1.9687	0	0.0155	1.9843	0.2382	0	-0.1421	0.0961
1186	10.6	10.4	1.9686	0	0.0149	1.9835	0.2338	0	-0.1447	0.0892
1187	10.4	10.4	1.9686	0	0.0148	1.9834	0.231	0	-0.1543	0.0767
1188	10.4	10.4	1.9686	0	0.0148	1.9834	0.2218	0	-0.1616	0.0602
1189	10.4	10.4	1.9688	0	0.0145	1.9833	0.2071	0	-0.1589	0.0482
1190	10.6	10.3	1.9691	0	0.0153	1.9843	0.1992	0	-0.1543	0.0449
1191	10.9	10.3	1.9689	0	0.0178	1.9867	0.1843	0	-0.1534	0.0309
1192	10.9	10.2	1.9686	0	0.0184	1.9871	0.1754	0	-0.1521	0.0233
1193	10.6	10.1	1.9676	0	0.0175	1.9852	0.1773	0	-0.1371	0.0402
1194	10.2	10.1	1.9669	0	0.017	1.9839	0.1808	0	-0.1161	0.0647
1195	9.8	10	1.9667	0	0.017	1.9837	0.1853	0	-0.1129	0.0724
1196	9.66	9.99	1.9666	0	0.017	1.9836	0.1915	0	-0.1041	0.0875
1197	10	9.96	1.9665	0	0.0176	1.9841	0.1963	0	-0.0883	0.108
1198	9.6	9.94	1.9667	0	0.0185	1.9852	0.2018	0	-0.0962	0.1055
1199	9.39	9.92	1.9669	0	0.0193	1.9862	0.2078	0	-0.1207	0.0871
1200	9.68	9.92	1.9669	0	0.0186	1.9855	0.2146	0	-0.1314	0.0832
1201	9.08	9.91	1.9671	0	0.018	1.9852	0.2259	0	-0.1388	0.0871
1202	9.29	9.92	1.9673	0	0.0187	1.986	0.2313	0	-0.1288	0.1025
1203	9.58	9.93	1.9673	0	0.0191	1.9864	0.2323	0	-0.1334	0.0989
1204	9.69	9.95	1.9671	0	0.019	1.9861	0.2341	0	-0.142	0.0921
1205	9.75	10	1.967	0	0.0186	1.9856	0.2354	0	-0.131	0.1044
1206	9.87	10.1	1.967	0	0.0181	1.9851	0.2329	0	-0.1324	0.1005
1207	10	10.2	1.9669	0	0.0179	1.9848	0.2291	0	-0.1418	0.0874
1208	9.9	10.3	1.9668	0	0.0181	1.9849	0.2288	0	-0.1528	0.076
1209	10.7	10.4	1.9666	0	0.0182	1.9848	0.2332	0	-0.155	0.0782
1210	10.6	10.5	1.9659	0	0.0202	1.9861	0.2366	0	-0.1355	0.1011
1211	11.1	10.6	1.9658	0	0.0197	1.9855	0.2395	0	-0.1327	0.1067
1212	10.7	10.7	1.966	0	0.02	1.986	0.2391	0	-0.1415	0.0975

1213	10.5	10.8	1.966	0	0.0205	1.9865	0.2399	0	-0.139	0.1009
1214	11.1	10.9	1.9658	0	0.0207	1.9865	0.2401	0	-0.1417	0.0984
1215	11.4	10.9	1.9598	0	0.0264	1.9862	0.2426	0	-0.1425	0.1001
1216	11.4	11	1.9522	0	0.0338	1.986	0.2464	0	-0.1384	0.1081
1217	11.6	11	1.9514	0	0.0339	1.9853	0.2501	0	-0.1336	0.1165
1218	11.5	11.1	1.9505	0	0.0335	1.984	0.2479	0	-0.1249	0.123
1219	11.1	11.1	1.95	0	0.0334	1.9834	0.2443	0	-0.1311	0.1132
1220	11.6	11.1	1.9503	0	0.0344	1.9847	0.2424	0	-0.1307	0.1117
1221	11.2	11.1	1.9504	0	0.0357	1.986	0.2387	0	-0.1386	0.1001
1222	11.2	11.2	1.9502	0	0.034	1.9842	0.2399	0	-0.1569	0.083
1223	11.1	11.2	1.9499	0	0.0327	1.9826	0.244	0	-0.1397	0.1043
1224	10.8	11.2	1.9496	0	0.0323	1.9818	0.2522	0	-0.1418	0.1105
1225	10.8	11.2	1.9496	0	0.032	1.9815	0.2567	0	-0.1322	0.1245
1226	11.2	11.2	1.9497	0	0.0321	1.9818	0.2502	0	-0.1331	0.1171
1227	11.3	11.2	1.9497	0	0.0329	1.9825	0.2499	0	-0.1414	0.1085
1228	11	11.1	1.9494	0	0.0341	1.9835	0.2521	0	-0.1264	0.1257
1229	11	11.1	1.9492	0	0.0354	1.9846	0.2579	0	-0.1364	0.1215
1230	11.3	11.1	1.9489	0	0.0355	1.9844	0.2545	0	-0.1207	0.1337
1231	11.2	11.1	1.9483	0	0.0335	1.9818	0.2515	0	-0.1379	0.1136
1232	11.5	11.1	1.9483	0	0.0342	1.9825	0.2385	0	-0.1308	0.1077
1233	10.9	11.1	1.9481	0	0.0345	1.9826	0.2248	0	-0.1236	0.1012
1234	10.9	11.1	1.9482	0	0.0349	1.983	0.2171	0	-0.1177	0.0994
1235	11.4	11.1	1.9483	0	0.0352	1.9835	0.2141	0	-0.131	0.0831
1236	11.3	11	1.9484	0	0.0359	1.9844	0.2118	0	-0.1509	0.0609
1237	10.9	11	1.949	0	0.0367	1.9857	0.2083	0	-0.1443	0.064
1238	11	11	1.9501	0	0.0368	1.9869	0.2119	0	-0.146	0.066
1239	11.1	10.9	1.9507	0	0.0371	1.9878	0.2156	0	-0.1461	0.0695
1240	11	10.9	1.9519	0	0.0373	1.9892	0.2211	0	-0.144	0.0771
1241	10.8	10.8	1.9526	0	0.0366	1.9892	0.2238	0	-0.1289	0.095
1242	10.8	10.8	1.9523	0	0.0334	1.9856	0.2225	0	-0.0994	0.123
1243	10.7	10.8	1.9519	0	0.0312	1.9831	0.2224	0	-0.0839	0.1385
1244	10.7	10.8	1.9513	0	0.0302	1.9815	0.214	0	-0.0916	0.1224
1245	10.7	10.7	1.9508	0	0.0295	1.9803	0.207	0	-0.1011	0.106
1246	10.5	10.7	1.9506	0	0.0297	1.9803	0.2107	0	-0.095	0.1158
1247	10.4	10.7	1.9503	0	0.0312	1.9815	0.214	0	-0.1022	0.1118
1248	10.5	10.6	1.95	0	0.0326	1.9826	0.2153	0	-0.1003	0.115
1249	10.4	10.5	1.9495	0	0.0324	1.9819	0.2198	0	-0.1035	0.1163

1250	10.5	10.5	1.9486	0	0.0323	1.9809	0.2235	0	-0.0988	0.1247
1251	10.6	10.5	1.9483	0	0.032	1.9802	0.2279	0	-0.1145	0.1134
1252	10.9	10.5	1.948	0	0.0331	1.9811	0.234	0	-0.1252	0.1087
1253	10.8	10.5	1.9477	0	0.0339	1.9816	0.2378	0	-0.1158	0.122
1254	10.2	10.4	1.9473	0	0.0337	1.981	0.2389	0	-0.1133	0.1256
1255	10.3	10.4	1.9471	0	0.0334	1.9805	0.2396	0	-0.1258	0.1138
1256	10.5	10.4	1.9472	0	0.0335	1.9807	0.2402	0	-0.1337	0.1064
1257	10	10.4	1.947	0	0.0341	1.9811	0.2406	0	-0.1406	0.1
1258	10	10.4	1.9466	0	0.035	1.9816	0.238	0	-0.1535	0.0844
1259	9.89	10.4	1.9464	0	0.0349	1.9812	0.2311	0	-0.1553	0.0757
1260	10.4	10.4	1.9461	0	0.0355	1.9816	0.2286	0	-0.1575	0.0711
1261	10.8	10.4	1.9461	0	0.0353	1.9814	0.2245	0	-0.141	0.0835
1262	10.6	10.3	1.9461	0	0.0345	1.9806	0.2284	0	-0.1486	0.0797
1263	10.2	10.3	1.9458	0	0.0342	1.98	0.235	0	-0.1377	0.0973
1264	10	10.3	1.9455	0	0.0342	1.9797	0.2377	0	-0.1177	0.12
1265	10.2	10.3	1.9451	0	0.034	1.9791	0.2359	0	-0.1219	0.114
1266	10.5	10.3	1.9447	0	0.0335	1.9782	0.1758	0	-0.0635	0.1123
1267	10.4	10.3	1.9447	0	0.0324	1.9771	0.0986	0	0.0149	0.1134
1268	10.7	10.3	1.945	0	0.0328	1.9778	0.0911	0	0.0131	0.1042
1269	10.3	10.3	1.9452	0	0.0325	1.9777	0.0827	0	0.0102	0.093
1270	10.2	10.3	1.9456	0	0.0332	1.9788	0.0809	0	0.018	0.0989
1271	10.2	10.4	1.9456	0	0.0345	1.9801	0.0861	0	0.0302	0.1163
1272	10.2	10.4	1.945	0	0.0358	1.9808	0.0884	0	0.0358	0.1242
1273	10.3	10.5	1.944	0	0.0364	1.9804	0.087	0	0.0126	0.0997
1274	10.5	10.5	1.9435	0	0.0364	1.9799	0.0835	0	0.0002	0.0837
1275	10.1	10.5	1.944	0	0.0365	1.9804	0.0836	0	-0.0049	0.0787
1276	10.8	10.5	1.9437	0	0.0369	1.9806	0.095	0	-0.0109	0.0841
1277	9.81	10.6	1.9433	0	0.0351	1.9784	0.0995	0	-0.0151	0.0843
1278	10.2	10.6	1.9427	0	0.035	1.9777	0.0985	0	-0.0044	0.0941
1279	10.6	10.6	1.9427	0	0.0326	1.9753	0.0974	0	0.0065	0.104
1280	11.2	10.6	1.9432	0	0.0319	1.9751	0.0978	0	0.0083	0.106
1281	11.5	10.6	1.9445	0	0.0321	1.9765	0.0952	0	0.0289	0.1241
1282	11.2	10.6	1.9458	0	0.0316	1.9774	0.09	0	0.0311	0.1212
1283	10.6	10.6	1.9468	0	0.0308	1.9775	0.09	0	0.0651	0.1551
1284	10.5	10.6	1.9473	0	0.0305	1.9778	0.0865	0	0.0862	0.1728
1285	10.9	10.6	1.9476	0	0.0306	1.9782	0.0831	0	0.0863	0.1694
1286	10.8	10.5	1.9478	0	0.0293	1.9771	0.0832	0	0.0922	0.1753

1287	10.9	10.5	1.9474	0	0.0294	1.9768	0.0844	0	0.0938	0.1782
1288	10.4	10.6	1.947	0	0.0294	1.9764	0.0892	0	0.1069	0.1961
1289	10.5	10.5	1.9467	0	0.0289	1.9756	0.0976	0	0.1036	0.2013
1290	9.9	10.5	1.9467	0	0.0282	1.9748	0.1015	0	0.1	0.2015
1291	9.88	10.5	1.9467	0	0.0277	1.9744	0.112	0	0.0959	0.2079
1292	10.4	10.5	1.9464	0	0.0268	1.9732	0.1171	0	0.0771	0.1942
1293	10.4	10.5	1.9462	0	0.0267	1.9729	0.1141	0	0.0365	0.1506
1294	10.2	10.5	1.9462	0	0.0271	1.9733	0.1118	0	0.0232	0.135
1295	10.4	10.5	1.9457	0	0.0265	1.9722	0.1076	0	0.0239	0.1315
1296	9.82	10.5	1.9452	0	0.0273	1.9724	0.103	0	0.0045	0.1075
1297	10.4	10.4	1.945	0	0.0276	1.9726	0.1035	0	0.0079	0.1114
1298	10.2	10.5	1.9447	0	0.0288	1.9736	0.1027	0	0.0305	0.1332
1299	10.6	10.5	1.9445	0	0.0292	1.9737	0.1014	0	0.052	0.1534
1300	11.1	10.5	1.9441	0	0.03	1.9742	0.0991	0	0.0623	0.1614
1301	11.1	10.6	1.9437	0	0.0306	1.9743	0.0909	0	0.0777	0.1686
1302	10.8	10.6	1.9436	0	0.0303	1.9738	0.0883	0	0.0774	0.1656
1303	10.7	10.5	1.9434	0	0.0304	1.9738	0.088	0	0.0782	0.1662
1304	10.7	10.6	1.9431	0	0.0315	1.9747	0.0865	0	0.0784	0.165
1305	10.3	10.6	1.943	0	0.0319	1.9749	0.0845	0	0.0739	0.1584
1306	10.4	10.6	1.9429	0	0.0322	1.9751	0.0847	0	0.0799	0.1646
1307	11	10.7	1.9431	0	0.0333	1.9764	0.087	0	0.0802	0.1672
1308	10.8	10.7	1.9437	0	0.0336	1.9773	0.0861	0	0.0908	0.1768
1309	10.8	10.7	1.9437	0	0.034	1.9777	0.0832	0	0.0939	0.1771
1310	10.6	10.6	1.9434	0	0.0343	1.9777	0.0861	0	0.09	0.1761
1311	10.2	10.6	1.943	0	0.0346	1.9776	0.0866	0	0.0917	0.1783
1312	10.2	10.6	1.9425	0	0.0337	1.9763	0.0886	0	0.0877	0.1763
1313	10.5	10.6	1.9422	0	0.0323	1.9745	0.0909	0	0.0785	0.1694
1314	10.7	10.6	1.9422	0	0.0329	1.9751	0.0898	0	0.0748	0.1646
1315	10.8	10.7	1.9422	0	0.0328	1.975	0.0865	0	0.0808	0.1673
1316	10.9	10.7	1.9423	0	0.0323	1.9746	0.0821	0	0.0852	0.1673
1317	10.6	10.7	1.9423	0	0.0326	1.9749	0.0783	0	0.0763	0.1546
1318	10.7	10.8	1.9422	0	0.0324	1.9747	0.0823	0	0.0714	0.1537
1319	10.3	10.8	1.9419	0	0.0316	1.9735	0.0877	0	0.085	0.1727
1320	10.8	10.8	1.9417	0	0.0314	1.9731	0.0905	0	0.0787	0.1692
1321	11.1	10.9	1.9416	0	0.0321	1.9736	0.0907	0	0.0795	0.1701
1322	10.9	11	1.9415	0	0.0327	1.9742	0.0814	0	0.0865	0.1679
1323	10.8	11	1.9416	0	0.0327	1.9743	0.0713	0	0.0959	0.1672

1324	11.3	11	1.9412	0	0.0328	1.974	0.0622	0	0.1062	0.1684
1325	11.2	11.1	1.9401	0	0.0331	1.9731	0.057	0	0.1183	0.1753
1326	11.2	11.1	1.9398	0	0.0336	1.9734	0.0621	0	0.1308	0.1929
1327	11	11.1	1.9398	0	0.0333	1.9731	0.0679	0	0.1412	0.2091
1328	11.5	11.1	1.9396	0	0.0335	1.9731	0.0651	0	0.123	0.1881
1329	11.3	11.2	1.9395	0	0.0345	1.974	0.0591	0	0.1195	0.1785
1330	11.4	11.2	1.9393	0	0.0326	1.972	0.0588	0	0.0999	0.1587
1331	11.1	11.2	1.9393	0	0.0304	1.9697	0.065	0	0.0914	0.1564
1332	10.9	11.2	1.9393	0	0.0277	1.967	0.076	0	0.0883	0.1643
1333	11.4	11.2	1.9395	0	0.0258	1.9653	0.0882	0	0.0799	0.168
1334	12	11.2	1.9399	0	0.0262	1.9661	0.0992	0	0.0689	0.1682
1335	11.3	11.2	1.94	0	0.026	1.966	0.1087	0	0.0682	0.1769
1336	11.3	11.2	1.94	0	0.0265	1.9666	0.1164	0	0.073	0.1894
1337	10.8	11.2	1.9401	0	0.026	1.9661	0.1222	0	0.0508	0.173
1338	11.3	11.2	1.9404	0	0.0264	1.9668	0.122	0	0.0429	0.165
1339	11.4	11.2	1.9406	0	0.0271	1.9677	0.1176	0	0.0404	0.1579
1340	11.1	11.2	1.9407	0	0.0277	1.9684	0.1161	0	0.0352	0.1513
1341	10.9	11.2	1.9408	0	0.0289	1.9698	0.1181	0	0.0221	0.1402
1342	10.9	11.2	1.9409	0	0.0297	1.9706	0.1196	0	0.0192	0.1388
1343	10.9	11.2	1.9407	0	0.0289	1.9696	0.1179	0	0.0171	0.135
1344	11	11.2	1.9405	0	0.0278	1.9683	0.1173	0	0.0199	0.1371
1345	11.5	11.2	1.9405	0	0.0291	1.9696	0.1176	0	0.027	0.1446
1346	11.2	11.2	1.9402	0	0.0289	1.9691	0.1137	0	0.0264	0.1401
1347	11.1	11.2	1.94	0	0.0282	1.9682	0.1097	0	0.0274	0.1371
1348	11.2	11.2	1.9399	0	0.0274	1.9672	0.1079	0	0.0376	0.1456
1349	11.5	11.2	1.9396	0	0.0262	1.9658	0.1008	0	0.0318	0.1326
1350	11.5	11.2	1.9396	0	0.0245	1.9641	0.1001	0	0.0245	0.1246
1351	11.4	11.2	1.9394	0	0.0242	1.9636	0.0961	0	0.0379	0.134
1352	11.3	11.2	1.9392	0	0.0253	1.9645	0.0924	0	0.0394	0.1317
1353	11.1	11.3	1.939	0	0.0261	1.9651	0.0911	0	0.0319	0.1229
1354	11.4	11.2	1.9389	0	0.0263	1.9652	0.0876	0	0.028	0.1156
1355	11.2	11.2	1.9387	0	0.0254	1.9641	0.08	0	0.0368	0.1168
1356	11.4	11.2	1.9385	0	0.0255	1.964	0.0744	0	0.0499	0.1243
1357	11.5	11.2	1.9384	0	0.025	1.9635	0.0721	0	0.0477	0.1198
1358	11.4	11.2	1.9382	0	0.0257	1.9639	0.074	0	0.0664	0.1404
1359	11	11.2	1.9378	0	0.0259	1.9636	0.0844	0	0.0554	0.1398
1360	10.8	11.1	1.9375	0	0.0263	1.9638	0.087	0	0.0653	0.1523

1361	11.2	11.1	1.9372	0	0.0265	1.9638	0.0863	0	0.0733	0.1597
1362	11.3	11.1	1.937	0	0.0267	1.9637	0.0866	0	0.0743	0.1609
1363	10.9	11.2	1.9369	0	0.0267	1.9636	0.0853	0	0.0644	0.1496
1364	10.8	11.2	1.9368	0	0.0261	1.963	0.0867	0	0.0538	0.1405
1365	11	11.2	1.9369	0	0.0255	1.9624	0.0935	0	0.0642	0.1577
1366	11.1	11.2	1.9369	0	0.0258	1.9627	0.0974	0	0.0622	0.1596
1367	10.5	11.2	1.9365	0	0.0252	1.9617	0.0962	0	0.0521	0.1483
1368	11.1	11.2	1.9362	0	0.0243	1.9605	0.1052	0	0.0509	0.1562
1369	11.1	11.2	1.9362	0	0.0246	1.9608	0.1116	0	0.0503	0.1619
1370	11.4	11.3	1.9365	0	0.0253	1.9618	0.1158	0	0.048	0.1638
1371	11.2	11.3	1.9375	0	0.0259	1.9633	0.1158	0	0.0493	0.1652
1372	11.5	11.3	1.9379	0	0.0262	1.9641	0.115	0	0.06	0.175
1373	11.6	11.3	1.9378	0	0.0258	1.9636	0.1154	0	0.0764	0.1918
1374	11.2	11.3	1.9378	0	0.0246	1.9624	0.1162	0	0.0851	0.2013
1375	11.8	11.2	1.9377	0	0.0234	1.9611	0.1138	0	0.0776	0.1914
1376	11.7	11.2	1.9369	0	0.0228	1.9597	0.1018	0	0.0868	0.1886
1377	11.2	11.2	1.9368	0	0.0228	1.9596	0.1038	0	0.0928	0.1966
1378	12	11.2	1.9368	0	0.0231	1.9599	0.1091	0	0.0876	0.1967
1379	11.3	11.2	1.9368	0	0.0226	1.9594	0.1098	0	0.0895	0.1993
1380	11.2	11.2	1.9367	0	0.0228	1.9595	0.1112	0	0.1071	0.2183
1381	11.2	11.1	1.9369	0	0.0232	1.9601	0.1136	0	0.0946	0.2081
1382	11	11.1	1.937	0	0.0236	1.9606	0.1163	0	0.0737	0.19
1383	10.9	11.1	1.9368	0	0.0239	1.9607	0.1196	0	0.0402	0.1599
1384	10.7	11.1	1.9364	0	0.0237	1.9601	0.1252	0	0.0128	0.138
1385	10.4	11.1	1.9359	0	0.0233	1.9592	0.1305	0	0.0234	0.1539
1386	10.5	11	1.9356	0	0.0242	1.9598	0.131	0	0.0225	0.1535
1387	10.4	11	1.9352	0	0.0251	1.9603	0.1285	0	0.0424	0.1709
1388	11.1	11	1.9353	0	0.0254	1.9607	0.126	0	0.0421	0.1681
1389	11.2	11.1	1.9351	0	0.0254	1.9605	0.1245	0	0.0518	0.1763
1390	10.8	11.1	1.9349	0	0.0259	1.9608	0.1257	0	0.064	0.1897
1391	10.7	11.1	1.9347	0	0.0258	1.9605	0.127	0	0.0665	0.1935
1392	10.8	11.1	1.9346	0	0.0251	1.9597	0.1261	0	0.0737	0.1998
1393	11.3	11.1	1.9345	0	0.0247	1.9592	0.1247	0	0.0846	0.2093
1394	11.7	11.1	1.9344	0	0.0244	1.9588	0.1202	0	0.0783	0.1985
1395	10.9	11.2	1.9343	0	0.0239	1.9582	0.117	0	0.0713	0.1883
1396	11.4	11.2	1.9342	0	0.0245	1.9587	0.1152	0	0.075	0.1901
1397	12.3	11.3	1.9342	0	0.0238	1.958	0.113	0	0.0706	0.1836

1398	11.6	11.3	1.9347	0	0.0256	1.9603	0.1114	0	0.0606	0.172
1399	11.6	11.3	1.9345	0	0.0267	1.9612	0.1114	0	0.045	0.1563
1400	11.4	11.3	1.9345	0	0.0263	1.9608	0.1111	0	0.0296	0.1407
1401	11.1	11.4	1.9345	0	0.0266	1.9611	0.1095	0	0.0091	0.1185
1402	11	11.5	1.9344	0	0.0271	1.9616	0.1056	0	-0.0071	0.0984
1403	11.2	11.5	1.9346	0	0.0276	1.9623	0.1036	0	-0.011	0.0927
1404	11.3	11.5	1.9351	0	0.0279	1.963	0.1026	0	-0.0153	0.0873
1405	11.3	11.5	1.9355	0	0.0269	1.9625	0.1017	0	-0.018	0.0837
1406	11.5	11.5	1.9357	0	0.0274	1.9631	0.1007	0	-0.0278	0.0729
1407	11.6	11.5	1.9357	0	0.0267	1.9623	0.1047	0	-0.027	0.0777
1408	11.6	11.5	1.9352	0	0.0281	1.9633	0.1058	0	-0.0294	0.0764
1409	11.1	11.5	1.935	0	0.0274	1.9625	0.105	0	-0.0231	0.0819
1410	11.8	11.5	1.9348	0	0.027	1.9618	0.1031	0	-0.0188	0.0843
1411	12.4	11.5	1.9343	0	0.0272	1.9615	0.105	0	-0.0097	0.0953
1412	12	11.5	1.934	0	0.0273	1.9613	0.1071	0	-0.0026	0.1046
1413	11.5	11.5	1.9335	0	0.0269	1.9605	0.108	0	0.0068	0.1148
1414	11.4	11.5	1.9329	0	0.0265	1.9593	0.1116	0	0.0184	0.13
1415	11.8	11.5	1.9325	0	0.0266	1.959	0.1103	0	0.0153	0.1256
1416	12.4	11.5	1.9327	0	0.0271	1.9598	0.111	0	0.015	0.126
1417	11.4	11.5	1.9318	0	0.0275	1.9592	0.1173	0	0.015	0.1323
1418	11.2	11.4	1.9311	0	0.0274	1.9585	0.1211	0	0.0052	0.1263
1419	11.4	11.4	1.9303	0	0.0268	1.9571	0.1235	0	-0.0039	0.1195
1420	11.6	11.4	1.9301	0	0.0264	1.9565	0.125	0	0.0058	0.1308
1421	11.2	11.4	1.9301	0	0.0261	1.9561	0.1275	0	0.0133	0.1408
1422	10.9	11.4	1.93	0	0.0251	1.9551	0.1376	0	0.0094	0.147
1423	11.1	11.4	1.93	0	0.0242	1.9541	0.1457	0	0.0175	0.1632
1424	11.2	11.4	1.9298	0	0.025	1.9548	0.1502	0	0.0094	0.1596
1425	10.7	11.4	1.9299	0	0.0244	1.9543	0.1568	0	-0.0153	0.1415
1426	11.2	11.3	1.9294	0	0.0243	1.9537	0.1556	0	-0.0366	0.1191
1427	11.3	11.3	1.9289	0	0.0246	1.9534	0.147	0	-0.0404	0.1066
1428	11.2	11.3	1.9286	0	0.0245	1.9532	0.1472	0	-0.0407	0.1065
1429	11.3	11.3	1.9283	0	0.0238	1.9522	0.1489	0	-0.0386	0.1103
1430	11.4	11.3	1.928	0	0.0232	1.9511	0.1512	0	-0.037	0.1142
1431	11.6	11.3	1.9277	0	0.023	1.9507	0.1539	0	-0.0255	0.1284
1432	11.7	11.3	1.9273	0	0.0237	1.951	0.1587	0	-0.0216	0.1371
1433	11.2	11.3	1.927	0	0.0246	1.9515	0.1636	0	-0.0247	0.1389
1434	11.8	11.3	1.9268	0	0.0239	1.9507	0.164	0	-0.0176	0.1464

1435	11.6	11.3	1.9269	0	0.0237	1.9506	0.1594	0	-0.0206	0.1388
1436	11.8	11.3	1.9272	0	0.0223	1.9495	0.1535	0	-0.0276	0.1259
1437	11.4	11.2	1.9275	0	0.0218	1.9493	0.1495	0	-0.0173	0.1322
1438	11	11.2	1.9279	0	0.0213	1.9492	0.1452	0	-0.0083	0.1369
1439	11.2	11.1	1.928	0	0.0207	1.9487	0.146	0	-0.0099	0.1361
1440	11.2	11.1	1.928	0	0.021	1.9491	0.1465	0	-0.0106	0.1359
1441	10.9	11	1.9282	0	0.0216	1.9498	0.1434	0	-0.004	0.1394
1442	10.7	10.9	1.9284	0	0.0213	1.9496	0.1385	0	-0.0109	0.1277
1443	10.7	10.9	1.9287	0	0.021	1.9498	0.1344	0	-0.002	0.1324
1444	11.5	10.8	1.9288	0	0.0207	1.9495	0.1346	0	-0.0126	0.122
1445	10.6	10.7	1.929	0	0.0216	1.9506	0.1371	0	-0.0132	0.1239
1446	10.6	10.7	1.9289	0	0.0219	1.9508	0.1362	0	-0.021	0.1152
1447	10.7	10.6	1.9289	0	0.0221	1.951	0.1314	0	-0.0204	0.111
1448	10.3	10.6	1.9287	0	0.0229	1.9516	0.1252	0	-0.0305	0.0948
1449	10	10.6	1.9285	0	0.0232	1.9517	0.1256	0	-0.0191	0.1065
1450	10.3	10.7	1.9286	0	0.0236	1.9522	0.125	0	-0.0209	0.104
1451	10.5	10.7	1.9289	0	0.0249	1.9538	0.1267	0	-0.0252	0.1016
1452	10.2	10.7	1.9288	0	0.0264	1.9552	0.124	0	-0.0188	0.1052
1453	10.1	10.8	1.9288	0	0.0276	1.9564	0.1252	0	-0.0017	0.1235
1454	10	10.7	1.9287	0	0.0281	1.9568	0.122	0	-0.0107	0.1112
1455	10.8	10.7	1.9286	0	0.0282	1.9568	0.1281	0	-0.0128	0.1154
1456	10.9	10.7	1.928	0	0.0282	1.9562	0.1351	0	-0.0154	0.1197
1457	10.7	10.8	1.9278	0	0.028	1.9558	0.1389	0	-0.006	0.1329
1458	11.3	10.8	1.9277	0	0.028	1.9557	0.1412	0	-0.011	0.1302
1459	11.7	10.9	1.9275	0	0.0278	1.9552	0.1408	0	0.0096	0.1505
1460	11.3	10.9	1.927	0	0.0273	1.9543	0.1441	0	0.0081	0.1522
1461	11.1	10.9	1.9265	0	0.0268	1.9533	0.1461	0	0.0071	0.1532
1462	11.8	11	1.9262	0	0.026	1.9522	0.1476	0	0.0106	0.1582
1463	11	11	1.9257	0	0.0249	1.9506	0.1483	0	0.012	0.1603
1464	10.5	11.1	1.9258	0	0.0246	1.9504	0.1458	0	0.0225	0.1683
1465	11	11.2	1.9258	0	0.024	1.9498	0.1408	0	0.0162	0.157
1466	10.8	11.2	1.9251	0	0.0243	1.9495	0.1371	0	0.0114	0.1485
1467	10.9	11.2	1.9244	0	0.0247	1.9491	0.141	0	0.0205	0.1615
1468	11.2	11.2	1.9239	0	0.0247	1.9486	0.1341	0	0.0275	0.1616
1469	11	11.2	1.9237	0	0.024	1.9477	0.1259	0	0.0212	0.1471
1470	10.8	11.1	1.9237	0	0.0239	1.9477	0.1197	0	0.0136	0.1333
1471	11.3	11.2	1.9237	0	0.0249	1.9486	0.118	0	0.0044	0.1224

1472	11.6	11.2	1.9233	0	0.0244	1.9478	0.1175	0	-0.0007	0.1182
1473	11.4	11.1	1.9228	0	0.0248	1.9476	0.1187	0	-0.0001	0.1186
1474	11.6	11.2	1.9221	0	0.0261	1.9483	0.12	0	-0.0159	0.1041
1475	11.7	11.2	1.9222	0	0.0271	1.9492	0.121	0	-0.0009	0.1201
1476	10.9	11.2	1.9222	0	0.0268	1.949	0.1249	0	-0.0095	0.1154
1477	11	11.2	1.9221	0	0.0269	1.949	0.1231	0	-0.0154	0.1078
1478	11	11.2	1.9219	0	0.0269	1.9488	0.1179	0	-0.0098	0.1081
1479	11	11.2	1.9217	0	0.0264	1.948	0.1128	0	-0.0092	0.1036
1480	11.8	11.2	1.9213	0	0.0253	1.9467	0.1057	0	-0.0114	0.0943
1481	11.3	11.2	1.921	0	0.0254	1.9464	0.0906	0	-0.0234	0.0671
1482	10.7	11.2	1.9206	0	0.0261	1.9468	0.0811	0	-0.0284	0.0527
1483	11.6	11.2	1.9204	0	0.0256	1.9461	0.0774	0	-0.0331	0.0443
1484	11.3	11.2	1.9205	0	0.0258	1.9463	0.0759	0	-0.0181	0.0578
1485	11	11.2	1.9206	0	0.0261	1.9466	0.0777	0	-0.0247	0.053
1486	11	11.2	1.9206	0	0.026	1.9466	0.0841	0	-0.0102	0.0739
1487	11.1	11.2	1.9207	0	0.0259	1.9466	0.0934	0	-0.0103	0.0831
1488	11.1	11.2	1.9207	0	0.0264	1.947	0.1031	0	-0.0193	0.0838
1489	11.2	11.2	1.9204	0	0.0265	1.9469	0.1134	0	-0.025	0.0883
1490	10.8	11.2	1.9205	0	0.0263	1.9469	0.1189	0	-0.0289	0.09
1491	10.6	11.2	1.9209	0	0.0269	1.9478	0.1193	0	-0.0287	0.0907
1492	11.1	11.2	1.9212	0	0.0253	1.9465	0.1205	0	-0.0225	0.098
1493	11.8	11.2	1.921	0	0.026	1.947	0.1197	0	-0.0407	0.079
1494	11.5	11.2	1.9207	0	0.0257	1.9464	0.1201	0	-0.0449	0.0752
1495	11.2	11.2	1.9207	0	0.026	1.9466	0.1194	0	-0.0607	0.0587
1496	11.2	11.2	1.9211	0	0.0266	1.9476	0.1208	0	-0.0601	0.0607
1497	11.4	11.2	1.9217	0	0.0269	1.9486	0.1191	0	-0.055	0.0641
1498	11.5	11.2	1.9221	0	0.0276	1.9497	0.1173	0	-0.0492	0.0681
1499	11.2	11.2	1.922	0	0.0288	1.9508	0.1166	0	-0.0329	0.0837
1500	11.6	11.2	1.9218	0	0.0288	1.9506	0.1157	0	-0.0226	0.0932
1501	10.9	11.2	1.9221	0	0.0285	1.9506	0.1141	0	-0.0247	0.0894
1502	11.3	11.2	1.9219	0	0.0273	1.9492	0.1167	0	-0.0027	0.114
1503	11.6	11.2	1.9224	0	0.0287	1.9511	0.1176	0	0.0018	0.1195
1504	11.4	11.2	1.9223	0	0.0291	1.9515	0.1157	0	0.0102	0.1259
1505	10.8	11.2	1.922	0	0.0285	1.9505	0.1115	0	0.0108	0.1223
1506	10.6	11.1	1.9218	0	0.028	1.9498	0.1101	0	0.0068	0.117
1507	10.7	11.1	1.9216	0	0.0278	1.9493	0.1061	0	0.0054	0.1115
1508	10.7	11	1.9211	0	0.0271	1.9483	0.1074	0	0.0027	0.1101

1509	11.5	11	1.9206	0	0.0266	1.9473	0.1126	0	0.0008	0.1134
1510	10.9	11	1.9202	0	0.0263	1.9465	0.1144	0	0.0036	0.118
1511	11.7	11	1.9195	0	0.0261	1.9457	0.1087	0	-0.0011	0.1077
1512	11.1	11	1.9192	0	0.0261	1.9453	0.1033	0	-0.0145	0.0889
1513	11.2	10.9	1.919	0	0.0247	1.9436	0.1001	0	-0.0196	0.0804
1514	10.8	10.8	1.9188	0	0.0248	1.9436	0.0884	0	-0.0428	0.0456
1515	10.6	10.8	1.9188	0	0.0254	1.9442	0.0851	0	-0.0435	0.0415
1516	10.7	10.8	1.9186	0	0.0251	1.9436	0.0813	0	-0.0376	0.0437
1517	10.7	10.7	1.9184	0	0.0247	1.9431	0.0724	0	-0.0279	0.0445
1518	10.9	10.7	1.9185	0	0.0253	1.9438	0.0643	0	-0.0287	0.0356
1519	11.4	10.6	1.9184	0	0.0254	1.9438	0.0592	0	-0.0339	0.0254
1520	10.8	10.6	1.9183	0	0.026	1.9443	0.0639	0	-0.0397	0.0242
1521	10.4	10.6	1.9183	0	0.026	1.9443	0.0724	0	-0.0396	0.0328
1522	10.5	10.5	1.9181	0	0.0251	1.9432	0.0738	0	-0.0236	0.0502
1523	10.1	10.5	1.918	0	0.0258	1.9437	0.071	0	-0.0252	0.0458
1524	10.4	10.4	1.9177	0	0.0251	1.9428	0.0658	0	-0.014	0.0518
1525	10	10.4	1.9174	0	0.0253	1.9427	0.0578	0	0.002	0.0598
1526	9.72	10.4	1.9171	0	0.0258	1.943	0.0564	0	0.0124	0.0688
1527	10.1	10.4	1.9171	0	0.0255	1.9426	0.0567	0	0.0132	0.0699
1528	10.3	10.3	1.9174	0	0.0254	1.9428	0.0588	0	0.0197	0.0785
1529	10.6	10.3	1.9178	0	0.025	1.9427	0.0641	0	0.0286	0.0927
1530	10.1	10.3	1.9189	0	0.0255	1.9444	0.0678	0	0.0198	0.0875
1531	10.5	10.2	1.9196	0	0.0259	1.9454	0.0635	0	0.0147	0.0782
1532	9.89	10.2	1.9196	0	0.027	1.9466	0.0609	0	0.0168	0.0777
1533	10.4	10.3	1.9194	0	0.0264	1.9457	0.0596	0	0.027	0.0866
1534	10.2	10.3	1.919	0	0.0264	1.9454	0.0571	0	0.0259	0.083
1535	10.2	10.3	1.9185	0	0.0247	1.9432	0.0546	0	0.0309	0.0855
1536	10.1	10.4	1.9178	0	0.0233	1.9412	0.0514	0	0.0388	0.0902
1537	9.8	10.4	1.9172	0	0.0237	1.9409	0.047	0	0.0344	0.0814
1538	10.5	10.4	1.9166	0	0.0238	1.9403	0.0431	0	0.014	0.0571
1539	11	10.4	1.9161	0	0.0236	1.9397	0.0404	0	-0.0023	0.0381
1540	9.98	10.4	1.9161	0	0.0239	1.94	0.0342	0	-0.0004	0.0337
1541	10.4	10.3	1.9162	0	0.0238	1.94	0.0353	0	-0.0044	0.0309
1542	10.9	10.4	1.9164	0	0.0253	1.9417	0.038	0	-0.0034	0.0347
1543	10.9	10.4	1.9167	0	0.0255	1.9422	0.0392	0	-0.0288	0.0104
1544	10.6	10.4	1.9169	0	0.0268	1.9436	0.0394	0	-0.0247	0.0146
1545	10.3	10.4	1.9169	0	0.0276	1.9445	0.0362	0	-0.0322	0.0039

1546	10.3	10.4	1.917	0	0.0274	1.9444	0.0368	0	-0.0267	0.01
1547	10.5	10.4	1.9172	0	0.027	1.9442	0.0449	0	-0.0139	0.0311
1548	10.1	10.4	1.9171	0	0.0261	1.9432	0.0551	0	-0.0147	0.0404
1549	10.1	10.3	1.9169	0	0.0255	1.9424	0.0634	0	-0.007	0.0564
1550	10.3	10.3	1.9172	0	0.0261	1.9433	0.0654	0	0.002	0.0674
1551	10.4	10.3	1.9172	0	0.0252	1.9424	0.0641	0	-0.0008	0.0633
1552	10.3	10.3	1.917	0	0.0262	1.9433	0.0685	0	0.0098	0.0783
1553	10.1	10.3	1.9172	0	0.0266	1.9438	0.0679	0	-0.0015	0.0664
1554	10.2	10.3	1.9175	0	0.027	1.9446	0.0766	0	0.0143	0.0909
1555	10.4	10.3	1.9176	0	0.0275	1.9451	0.0792	0	0.029	0.1081
1556	10.5	10.3	1.9174	0	0.0277	1.9451	0.0794	0	0.0319	0.1114
1557	10.3	10.3	1.9171	0	0.0277	1.9448	0.0831	0	0.024	0.1071
1558	9.9	10.3	1.9165	0	0.0279	1.9444	0.0851	0	0.0176	0.1027
1559	9.78	10.4	1.916	0	0.0274	1.9434	0.0855	0	0.0123	0.0978
1560	10.3	10.4	1.9161	0	0.0274	1.9435	0.0848	0	-0.0054	0.0793
1561	10.7	10.4	1.9162	0	0.0282	1.9444	0.0806	0	-0.0166	0.064
1562	10.2	10.4	1.9162	0	0.028	1.9442	0.0765	0	-0.0134	0.0631
1563	10.4	10.4	1.9169	0	0.0292	1.946	0.073	0	-0.0122	0.0608
1564	10.6	10.5	1.9173	0	0.029	1.9463	0.068	0	-0.0186	0.0494
1565	10.7	10.5	1.9177	0	0.0278	1.9454	0.0621	0	-0.0126	0.0496
1566	10.7	10.5	1.9179	0	0.0271	1.945	0.0575	0	-0.0149	0.0426
1567	10.6	10.5	1.918	0	0.0276	1.9455	0.0493	0	-0.0269	0.0224
1568	10.7	10.5	1.918	0	0.0281	1.946	0.0412	0	-0.045	-0.0038
1569	10.5	10.6	1.9173	0	0.028	1.9453	0.0476	0	-0.0312	0.0165
1570	10.6	10.6	1.9165	0	0.0279	1.9444	0.0512	0	-0.0142	0.037
1571	10.6	10.6	1.9163	0	0.0273	1.9436	0.0533	0	0.0039	0.0572
1572	10.7	10.6	1.9162	0	0.027	1.9432	0.0547	0	0.0156	0.0703
1573	10.5	10.6	1.9162	0	0.0262	1.9424	0.0522	0	0.0135	0.0657
1574	10.5	10.6	1.9164	0	0.0259	1.9423	0.0486	0	0.0186	0.0673
1575	10.8	10.5	1.9165	0	0.0258	1.9424	0.0448	0	0.0084	0.0532
1576	10.7	10.5	1.9165	0	0.0255	1.9421	0.0398	0	0.0161	0.0559
1577	10.3	10.4	1.9162	0	0.0249	1.9411	0.033	0	0.0273	0.0603
1578	10.5	10.4	1.9155	0	0.0241	1.9396	0.027	0	0.0181	0.0452
1579	11.3	10.4	1.9149	0	0.0244	1.9393	0.0306	0	0.0119	0.0425
1580	10.1	10.3	1.915	0	0.0238	1.9388	0.0388	0	0.0092	0.048
1581	9.87	10.2	1.9149	0	0.0237	1.9386	0.0527	0	0.0209	0.0736
1582	10.7	10.2	1.9147	0	0.0234	1.9381	0.0601	0	0.0304	0.0905

1583	10.5	10.2	1.9147	0	0.0231	1.9378	0.062	0	0.0405	0.1025
1584	9.97	10.1	1.915	0	0.0227	1.9377	0.0611	0	0.0378	0.0989
1585	9.85	10.1	1.9154	0	0.0222	1.9376	0.0579	0	0.0481	0.106
1586	9.89	10.1	1.9159	0	0.0225	1.9384	0.0502	0	0.0279	0.0781
1587	9.8	10.1	1.9164	0	0.0245	1.9409	0.0403	0	0.0169	0.0572
1588	9.8	10.1	1.9166	0	0.0266	1.9432	0.0357	0	0.0109	0.0467
1589	9.4	10	1.917	0	0.0265	1.9435	0.0315	0	0.0005	0.0319
1590	9.52	10	1.917	0	0.0268	1.9438	0.0293	0	-0.0186	0.0107
1591	9.84	10	1.9171	0	0.0272	1.9443	0.028	0	-0.0309	-0.0028
1592	9.7	9.96	1.9172	0	0.0282	1.9454	0.0318	0	-0.0273	0.0045
1593	10.3	9.92	1.9171	0	0.0284	1.9455	0.0391	0	0.0007	0.0399
1594	10.6	9.91	1.9171	0	0.0289	1.9461	0.0461	0	0.01	0.0562
1595	10.3	9.9	1.917	0	0.0287	1.9456	0.0518	0	0.0257	0.0775
1596	9.85	9.91	1.9166	0	0.0279	1.9445	0.053	0	0.0417	0.0947
1597	9.98	9.96	1.9162	0	0.0284	1.9445	0.0539	0	0.0507	0.1046
1598	10.4	9.99	1.9158	0	0.0283	1.944	0.0528	0	0.0366	0.0894
1599	10.1	10.1	1.9155	0	0.0286	1.9441	0.0516	0	0.0213	0.0729
1600	9.85	10.1	1.9154	0	0.0289	1.9443	0.0518	0	0.0082	0.06
1601	9.61	10.1	1.9152	0	0.0275	1.9428	0.0543	0	0.0076	0.0619
1602	9.67	10.2	1.9151	0	0.0274	1.9426	0.0523	0	-0.0069	0.0455
1603	9.81	10.2	1.9148	0	0.0273	1.9421	0.0489	0	0.0017	0.0507
1604	9.79	10.2	1.9144	0	0.0262	1.9407	0.0505	0	0.0074	0.0578
1605	10	10.2	1.9141	0	0.0253	1.9394	0.0542	0	0.0183	0.0725
1606	10.7	10.2	1.9135	0	0.0256	1.9391	0.0542	0	0.0353	0.0896
1607	10.4	10.2	1.9131	0	0.026	1.939	0.0542	0	0.0457	0.0999
1608	10.7	10.2	1.9126	0	0.0259	1.9385	0.0518	0	0.0536	0.1053
1609	10.2	10.2	1.9121	0	0.0272	1.9393	0.0498	0	0.0623	0.1121
1610	10.6	10.2	1.9121	0	0.028	1.9401	0.0482	0	0.0632	0.1115
1611	10.6	10.3	1.9119	0	0.0275	1.9393	0.0494	0	0.0658	0.1152
1612	10.3	10.3	1.9119	0	0.0273	1.9392	0.0489	0	0.0734	0.1224
1613	10.4	10.3	1.9122	0	0.0265	1.9387	0.0488	0	0.0668	0.1156
1614	10.5	10.3	1.9126	0	0.0261	1.9387	0.0562	0	0.0731	0.1292
1615	10.4	10.3	1.913	0	0.0269	1.9399	0.0589	0	0.0661	0.1251
1616	10.3	10.3	1.9136	0	0.0277	1.9414	0.0627	0	0.0467	0.1094
1617	10.1	10.2	1.9142	0	0.0292	1.9435	0.0658	0	0.0337	0.0995
1618	9.66	10.2	1.9137	0	0.0284	1.9421	0.0702	0	0.0274	0.0976
1619	10.3	10.2	1.9133	0	0.0268	1.9401	0.0734	0	0.0294	0.1028

1620	10.4	10.2	1.913	0	0.0256	1.9386	0.0676	0	0.0279	0.0956
1621	10.6	10.1	1.9128	0	0.0244	1.9373	0.059	0	0.0252	0.0842
1622	10.2	10.1	1.9129	0	0.0237	1.9366	0.0573	0	0.0153	0.0726
1623	9.6	10	1.9131	0	0.0239	1.937	0.0569	0	0.0065	0.0635
1624	9.6	9.95	1.9132	0	0.0243	1.9375	0.061	0	0.0103	0.0712
1625	9.97	9.91	1.9134	0	0.0237	1.9371	0.0592	0	0.0036	0.0628
1626	10.1	9.88	1.9138	0	0.0231	1.9369	0.0597	0	0.0029	0.0625
1627	10.5	9.83	1.9144	0	0.0237	1.9381	0.0599	0	-0.003	0.0569
1628	9.9	9.85	1.9143	0	0.0243	1.9386	0.057	0	-0.0137	0.0433
1629	9.7	9.8	1.9139	0	0.0241	1.9379	0.0496	0	-0.0218	0.0278
1630	9.83	9.76	1.9137	0	0.0234	1.9371	0.041	0	-0.0172	0.0238
1631	9.61	9.7	1.9135	0	0.0228	1.9364	0.036	0	-0.0302	0.0059
1632	9.24	9.67	1.9134	0	0.0229	1.9363	0.0264	0	-0.0446	-0.0182
1633	9.14	9.67	1.9133	0	0.0226	1.9359	0.0098	0	-0.0459	-0.0361
1634	9.48	9.68	1.9133	0	0.0216	1.9348	0.0111	0	-0.0468	-0.0356
1635	9.87	9.69	1.9135	0	0.0219	1.9354	0.0093	0	-0.0437	-0.0344
1636	9.17	9.65	1.9138	0	0.0216	1.9354	0.0129	0	-0.0325	-0.0196
1637	10	9.6	1.9136	0	0.0226	1.9362	0.0174	0	-0.0145	0.0029
1638	9.45	9.59	1.9134	0	0.0237	1.9371	0.0181	0	0.0067	0.0249
1639	9.45	9.61	1.9132	0	0.0255	1.9387	0.0199	0	0.0196	0.0395
1640	9.41	9.62	1.9133	0	0.027	1.9403	0.0295	0	0.0125	0.042
1641	9.61	9.61	1.913	0	0.0265	1.9396	0.0352	0	0.0085	0.0437
1642	9.64	9.62	1.9125	0	0.0252	1.9378	0.0376	0	0.0008	0.0384
1643	9.82	9.66	1.9121	0	0.0245	1.9366	0.0446	0	0.008	0.0526
1644	10.2	9.68	1.9117	0	0.0242	1.9359	0.0468	0	0.0122	0.059
1645	9.4	9.65	1.9116	0	0.0234	1.935	0.0488	0	0.0158	0.0645
1646	9.55	9.69	1.9116	0	0.0223	1.9339	0.0478	0	0.0126	0.0604
1647	9.61	9.71	1.9119	0	0.0234	1.9353	0.0462	0	0.0111	0.0573
1648	10.2	9.72	1.9119	0	0.024	1.9359	0.0454	0	0.0169	0.0623
1649	10	9.75	1.9117	0	0.0246	1.9364	0.0443	0	0.0158	0.0602
1650	9.46	9.77	1.9118	0	0.0253	1.9371	0.045	0	0.0171	0.0621
1651	9.37	9.81	1.912	0	0.0259	1.9379	0.0463	0	0.0151	0.0614
1652	9.79	9.84	1.9121	0	0.0261	1.9382	0.0455	0	0.0131	0.0586
1653	9.86	9.85	1.9122	0	0.0258	1.938	0.0443	0	-0.0037	0.0406
1654	9.38	9.82	1.9121	0	0.0252	1.9373	0.038	0	0.0002	0.0382
1655	9.88	9.82	1.9122	0	0.024	1.9361	0.0357	0	-0.0057	0.0301
1656	10.4	9.81	1.912	0	0.0231	1.9351	0.0309	0	-0.0168	0.0141

1657	9.76	9.78	1.9119	0	0.0224	1.9343	0.0229	0	-0.0283	-0.0054
1658	9.96	9.74	1.9115	0	0.0217	1.9331	0.0184	0	-0.0293	-0.0109
1659	9.85	9.71	1.9112	0	0.0211	1.9323	0.0157	0	-0.0253	-0.0097
1660	10.3	9.74	1.9112	0	0.0208	1.932	0.0119	0	-0.0172	-0.0053
1661	10.3	9.78	1.9113	0	0.0209	1.9322	0.01	0	-0.0104	-0.0004
1662	9.97	9.77	1.9113	0	0.0213	1.9326	0.0077	0	-0.0208	-0.0131
1663	9.66	9.79	1.9113	0	0.0219	1.9331	0.0057	0	-0.0284	-0.0226
1664	9.37	9.81	1.9114	0	0.0223	1.9337	0.0077	0	-0.0349	-0.0272
1665	9.28	9.79	1.9114	0	0.0231	1.9345	0.0131	0	-0.0398	-0.0267
1666	9.13	9.76	1.9113	0	0.0238	1.9351	0.0245	0	-0.0268	-0.0022
1667	9.3	9.78	1.9109	0	0.0248	1.9358	0.0405	0	-0.0111	0.0294
1668	9.53	9.79	1.9106	0	0.0251	1.9358	0.0542	0	0.005	0.0592
1669	9.98	9.8	1.9105	0	0.0252	1.9357	0.0531	0	-0.0137	0.0394
1670	10.1	9.8	1.9106	0	0.0254	1.936	0.0511	0	-0.0385	0.0126
1671	9.75	9.78	1.9106	0	0.0258	1.9364	0.0505	0	-0.0299	0.0206
1672	10.1	9.75	1.9105	0	0.0263	1.9368	0.0543	0	-0.0416	0.0127
1673	9.77	9.77	1.9101	0	0.0252	1.9353	0.0523	0	-0.0479	0.0045
1674	9.57	9.81	1.9104	0	0.0255	1.936	0.058	0	-0.0418	0.0162
1675	9.84	9.83	1.9106	0	0.0255	1.9361	0.0611	0	-0.0289	0.0321
1676	10	9.87	1.9105	0	0.0258	1.9364	0.0624	0	-0.0331	0.0294
1677	10.1	9.91	1.9105	0	0.0263	1.9368	0.0646	0	-0.0367	0.0279
1678	10.2	9.93	1.9105	0	0.0262	1.9368	0.0698	0	-0.0251	0.0448
1679	10.2	9.91	1.9108	0	0.0261	1.9369	0.0697	0	-0.0124	0.0574
1680	9.9	9.89	1.9114	0	0.0269	1.9382	0.0658	0	-0.0025	0.0633
1681	9.46	9.93	1.9123	0	0.0282	1.9405	0.0673	0	-0.0038	0.0635
1682	10.1	9.92	1.9137	0	0.028	1.9417	0.0704	0	-0.0153	0.0551
1683	10	9.9	1.9136	0	0.0277	1.9413	0.0681	0	-0.0033	0.0648
1684	9.66	9.88	1.9141	0	0.0271	1.9411	0.0642	0	-0.0157	0.0485
1685	9.87	9.84	1.9141	0	0.0254	1.9396	0.0628	0	-0.0271	0.0357
1686	10.1	9.83	1.9142	0	0.024	1.9381	0.061	0	-0.0298	0.0312
1687	9.99	9.82	1.9146	0	0.0239	1.9384	0.0629	0	-0.0346	0.0283
1688	9.54	9.79	1.9147	0	0.0246	1.9393	0.0625	0	-0.0238	0.0386
1689	9.64	9.74	1.9141	0	0.0253	1.9393	0.0606	0	-0.0171	0.0435
1690	10.6	9.71	1.9135	0	0.0259	1.9394	0.0556	0	0	0.0556
1691	9.99	9.73	1.9133	0	0.0271	1.9405	0.0559	0	0.0165	0.0724
1692	9.39	9.7	1.9128	0	0.0274	1.9402	0.0522	0	0.0306	0.0828
1693	9.13	9.7	1.9124	0	0.0272	1.9396	0.0512	0	0.0162	0.0675

1694	9.09	9.7	1.9122	0	0.0274	1.9396	0.0493	0	-0.0055	0.0548
1695	9.72	9.71	1.9122	0	0.0274	1.9396	0.0476	0	-0.0006	0.0469
1696	9.98	9.72	1.9119	0	0.0268	1.9388	0.048	0	-0.005	0.043
1697	9.57	9.71	1.9116	0	0.0267	1.9383	0.0486	0	-0.0162	0.0324
1698	9.24	9.73	1.9113	0	0.0267	1.938	0.0516	0	-0.0104	0.0412
1699	9.45	9.75	1.911	0	0.0269	1.9379	0.051	0	-0.0022	0.0488
1700	9.71	9.71	1.9108	0	0.0273	1.9381	0.0494	0	0.0005	0.0498
1701	9.7	9.68	1.9107	0	0.0262	1.9369	0.0487	0	-0.0141	0.0346
1702	9.97	9.71	1.9107	0	0.0278	1.9385	0.0541	0	0.0055	0.0596
1703	9.75	9.76	1.911	0	0.0273	1.9382	0.0565	0	-0.0036	0.0528
1704	10.1	9.81	1.9108	0	0.0268	1.9376	0.0542	0	-0.0101	0.0442
1705	10.2	9.83	1.911	0	0.027	1.938	0.0481	0	-0.0325	0.0156
1706	9.91	9.86	1.9112	0	0.0284	1.9396	0.0452	0	-0.0532	-0.008
1707	9.91	9.9	1.9112	0	0.0289	1.9401	0.0446	0	-0.0503	-0.0057
1708	10	9.94	1.911	0	0.0284	1.9395	0.0455	0	-0.055	-0.0095
1709	9.69	9.99	1.911	0	0.0289	1.9399	0.0431	0	-0.069	-0.0259
1710	9.51	10.1	1.9111	0	0.029	1.9401	0.0409	0	-0.0792	-0.0383
1711	9.89	10.1	1.9111	0	0.0295	1.9406	0.0379	0	-0.0807	-0.0428
1712	10.1	10.1	1.9113	0	0.0302	1.9414	0.0374	0	-0.0767	-0.0393
1713	10.1	10.2	1.9114	0	0.03	1.9414	0.0365	0	-0.0764	-0.0399
1714	10.1	10.2	1.9113	0	0.0301	1.9413	0.0355	0	-0.0725	-0.037
1715	10.5	10.3	1.9106	0	0.0296	1.9401	0.0375	0	-0.0747	-0.0372
1716	10.3	10.3	1.9096	0	0.0289	1.9385	0.0388	0	-0.0745	-0.0357
1717	10.1	10.3	1.9088	0	0.0287	1.9376	0.0392	0	-0.0662	-0.027
1718	10.4	10.3	1.9084	0	0.0298	1.9382	0.0356	0	-0.0563	-0.0207
1719	10.8	10.4	1.9082	0	0.0307	1.9388	0.0333	0	-0.0607	-0.0274
1720	10.9	10.5	1.9079	0	0.0286	1.9365	0.0343	0	-0.0628	-0.0285
1721	10.4	10.5	1.9074	0	0.0286	1.936	0.0441	0	-0.0629	-0.0188
1722	11.1	10.5	1.9077	0	0.0285	1.9362	0.0467	0	-0.053	-0.0062
1723	10.6	10.5	1.9073	0	0.0281	1.9354	0.0481	0	-0.0454	0.0027
1724	10.7	10.5	1.9071	0	0.0271	1.9343	0.045	0	-0.0445	0.0006
1725	10.6	10.5	1.9072	0	0.027	1.9342	0.0503	0	-0.0335	0.0168
1726	10.5	10.5	1.9074	0	0.0268	1.9341	0.0558	0	-0.0348	0.021
1727	10.3	10.5	1.9074	0	0.0262	1.9336	0.0588	0	-0.016	0.0429
1728	10.4	10.5	1.9073	0	0.0255	1.9328	0.0613	0	-0.0283	0.033
1729	11	10.5	1.9073	0	0.0243	1.9316	0.0654	0	-0.0297	0.0357
1730	10.3	10.4	1.9069	0	0.0238	1.9307	0.0698	0	-0.0426	0.0272

1731	10.4	10.4	1.9065	0	0.0244	1.9309	0.0751	0	-0.0221	0.053
1732	10.4	10.3	1.9066	0	0.0233	1.9299	0.0838	0	-0.008	0.0758
1733	10.6	10.3	1.9068	0	0.0242	1.931	0.0986	0	-0.0104	0.0882
1734	10.3	10.3	1.907	0	0.0243	1.9312	0.0966	0	-0.0093	0.0874
1735	10.2	10.2	1.9074	0	0.0249	1.9323	0.0986	0	-0.0105	0.0882
1736	10.3	10.2	1.9075	0	0.0251	1.9326	0.0966	0	-0.026	0.0705
1737	10.4	10.1	1.9074	0	0.025	1.9324	0.0939	0	-0.0471	0.0469
1738	10.3	10.1	1.9074	0	0.0254	1.9328	0.0935	0	-0.0392	0.0543
1739	9.5	10.1	1.9076	0	0.0255	1.9331	0.0927	0	-0.028	0.0647
1740	9.61	10	1.9077	0	0.0253	1.933	0.0873	0	-0.0263	0.0611
1741	9.51	10	1.9078	0	0.0235	1.9313	0.0818	0	-0.0284	0.0534
1742	10.3	9.99	1.9074	0	0.0236	1.931	0.0784	0	-0.0172	0.0612
1743	9.92	9.96	1.9072	0	0.024	1.9311	0.0729	0	-0.0131	0.0598
1744	9.64	9.94	1.9069	0	0.0243	1.9312	0.0691	0	-0.0133	0.0558
1745	9.69	9.91	1.9068	0	0.0239	1.9307	0.0648	0	-0.0088	0.056
1746	9.86	9.87	1.9068	0	0.0239	1.9307	0.0625	0	-0.0049	0.0576
1747	10.1	9.83	1.9067	0	0.0244	1.9311	0.0574	0	-0.0003	0.0572
1748	10.2	9.8	1.9068	0	0.0242	1.931	0.0535	0	0.0224	0.0759
1749	9.81	9.83	1.9068	0	0.0246	1.9314	0.051	0	0.0173	0.0684
1750	9.58	9.83	1.9069	0	0.0267	1.9336	0.0487	0	0.0413	0.09
1751	10.1	9.82	1.9066	0	0.0253	1.9319	0.0488	0	0.0536	0.1024
1752	10.1	9.82	1.9065	0	0.0264	1.9329	0.0484	0	0.0426	0.0911
1753	9.88	9.82	1.9067	0	0.0268	1.9336	0.049	0	0.0593	0.1082
1754	9.56	9.86	1.9073	0	0.0284	1.9358	0.0522	0	0.0543	0.1066
1755	9.54	9.9	1.9077	0	0.0293	1.937	0.0514	0	0.0502	0.1016
1756	9.69	9.9	1.9075	0	0.0281	1.9357	0.0537	0	0.0524	0.1061
1757	9.63	9.91	1.9074	0	0.0279	1.9352	0.0565	0	0.0685	0.125
1758	10.1	9.94	1.9072	0	0.0286	1.9357	0.0571	0	0.0746	0.1316
1759	9.73	9.97	1.9071	0	0.029	1.9361	0.0557	0	0.0702	0.1259
1760	9.24	10	1.9074	0	0.0289	1.9363	0.0555	0	0.076	0.1314
1761	10.4	10	1.9076	0	0.0286	1.9361	0.0577	0	0.0779	0.1356
1762	9.96	10.1	1.9077	0	0.0289	1.9366	0.0585	0	0.0848	0.1433
1763	10.3	10.1	1.9077	0	0.0291	1.9368	0.0612	0	0.0928	0.154
1764	10.4	10.1	1.9077	0	0.0298	1.9375	0.063	0	0.0925	0.1555
1765	9.98	10.2	1.9075	0	0.0305	1.938	0.0622	0	0.094	0.1562
1766	10.3	10.3	1.9074	0	0.0304	1.9378	0.0547	0	0.0894	0.1441
1767	10.6	10.3	1.9074	0	0.0305	1.9378	0.0439	0	0.0818	0.1257

1768	10.4	10.4	1.9073	0	0.0312	1.9385	0.0352	0	0.0812	0.1164
1769	10.3	10.5	1.9071	0	0.0315	1.9386	0.0304	0	0.0951	0.1256
1770	10.5	10.6	1.9062	0	0.0317	1.9379	0.0278	0	0.1074	0.1352
1771	10.6	10.6	1.9059	0	0.0311	1.937	0.0253	0	0.0827	0.1079
1772	10.5	10.6	1.9057	0	0.0309	1.9366	0.019	0	0.0837	0.1027
1773	10.6	10.6	1.9056	0	0.0297	1.9353	0.0227	0	0.0836	0.1063
1774	10.9	10.6	1.9054	0	0.0289	1.9343	0.018	0	0.0793	0.0973
1775	10.9	10.7	1.905	0	0.029	1.934	0.0161	0	0.0679	0.084
1776	10.8	10.7	1.9047	0	0.0274	1.9321	0.0168	0	0.0674	0.0842
1777	11.4	10.7	1.9044	0	0.0291	1.9335	0.0196	0	0.0648	0.0844
1778	11	10.7	1.904	0	0.0292	1.9332	0.0207	0	0.0581	0.0787
1779	10.6	10.8	1.9038	0	0.0304	1.9342	0.0199	0	0.0486	0.0685
1780	10.5	10.8	1.9039	0	0.0291	1.9329	0.0197	0	0.0326	0.0523
1781	10.6	10.8	1.9039	0	0.029	1.9329	0.0146	0	0.0259	0.0405
1782	10.5	10.8	1.9038	0	0.029	1.9329	0.0087	0	0.0344	0.0431
1783	11	10.8	1.9039	0	0.0287	1.9326	0.0102	0	0.0189	0.0291
1784	11.3	10.8	1.9042	0	0.0281	1.9323	0.014	0	0.0324	0.0464
1785	10.8	10.9	1.9045	0	0.028	1.9325	0.0162	0	0.0344	0.0506
1786	10.7	10.8	1.9048	0	0.0287	1.9334	0.0224	0	0.0451	0.0675
1787	10.5	10.8	1.9052	0	0.0278	1.933	0.025	0	0.0487	0.0736
1788	10.8	10.8	1.9054	0	0.0274	1.9328	0.0232	0	0.0482	0.0713
1789	10.6	10.8	1.9053	0	0.0279	1.9332	0.0237	0	0.0554	0.0791
1790	10.7	10.8	1.9053	0	0.0288	1.9341	0.028	0	0.0574	0.0854
1791	10.4	10.9	1.9055	0	0.0289	1.9343	0.03	0	0.0558	0.0858
1792	11	10.9	1.9055	0	0.0287	1.9342	0.032	0	0.0253	0.0573
1793	11.7	10.8	1.9055	0	0.0285	1.9341	0.0257	0	0.0282	0.0539
1794	11.3	10.9	1.9058	0	0.0282	1.934	0.022	0	0.035	0.057
1795	10.6	10.9	1.906	0	0.0279	1.9338	0.0181	0	0.041	0.0591
1796	10.9	11	1.9062	0	0.0269	1.9331	0.0163	0	0.0355	0.0518
1797	10.6	10.9	1.9063	0	0.0244	1.9307	0.0158	0	0.0357	0.0515
1798	11.2	10.9	1.9062	0	0.0249	1.9312	0.0156	0	0.0457	0.0613
1799	10.8	10.9	1.9061	0	0.0228	1.9289	0.0172	0	0.0432	0.0604
1800	10.8	10.8	1.9059	0	0.022	1.9279	0.0177	0	0.0511	0.0688