

Test Name	OSB, WC, rep 3
Cladding	Oriented Strand Board (OSB)
Cladding Thickness [mm]	11
Insulation	Water-cooled steel plate
Insulation Thickness [mm]	
Cavity Width [mm]	50
Repetition Number	3
Mass Flow Rate (Propane)	0.2
Description	This experiment is on a system consisting of an Oriented Strand Board (OSB) cladding panel and a Water-cooled steel plate insulation panel, separated with a cavity of 50 mm width. It is the third repetition of this system configuration.
Experiment Notes	At approximately 7 minutes the OSB panel began to touch the insulation panel, affecting the mass measurements. At approximately 14 minutes the OSB panel began to collapse, causing a sudden change in the mass measurements as debris fell into the debris tray, onto both load cells, or off the entire assembly.
Peak HRR [kW]	108
Time to Peak HRR [mins]	8.58
Residual HRR [kW]	7.17
Total HR [MJ]	46.5
Peak dQ/dt [kW/s]	0.469
Time to Peak dQ/dt [s]	8.2

Test Time [s]	Heat Release Rate HRR [kW]	HRR Smoothed [kW]	Mass Rainscreen [kg]	Mass Insulation [kg]	Mass Drip Tray [kg]	Mass Total [kg]	MLR Rainscreen Smoothed 100pt [g/s]	MLR Insulation Smoothed 100pt [g/s]	MLR Drip Tray Smoothed 100pt [g/s]	MLR Total Smoothed 100pt [g/s]
0	0.321	0.321	4.0944	0	0.012	4.1064	0.4033	0	-0.2685	0.1348
1	0.354	0.364	4.094	0	0.0128	4.1069	0.428	0	-0.2705	0.1575
2	0.418	0.392	4.0929	0	0.0123	4.1052	0.4337	0	-0.2723	0.1614
3	0.364	0.629	4.0916	0	0.0121	4.1037	0.4431	0	-0.2881	0.155
4	0.503	1.11	4.0899	0	0.0125	4.1023	0.4659	0	-0.271	0.1949
5	0.854	1.74	4.0888	0	0.0127	4.1015	0.4777	0	-0.2537	0.224
6	1.59	2.43	4.0878	0	0.0133	4.1011	0.4841	0	-0.2381	0.2459
7	2.38	3.07	4.0871	0	0.0144	4.1014	0.4896	0	-0.2286	0.2611
8	3.23	3.61	4.0865	0	0.0154	4.1019	0.4874	0	-0.2287	0.2587
9	4.19	4.07	4.0857	0	0.0153	4.101	0.4795	0	-0.219	0.2605
10	4.97	4.49	4.0852	0	0.0142	4.0994	0.4731	0	-0.2073	0.2658
11	5.91	4.92	4.085	0	0.0153	4.1003	0.4674	0	-0.2085	0.2589
12	6.49	5.36	4.0849	0	0.017	4.1019	0.4659	0	-0.1763	0.2896
13	7.17	5.82	4.0847	0	0.014	4.0987	0.4745	0	-0.1779	0.2966
14	7.36	6.25	4.0841	0	0.0114	4.0955	0.4722	0	-0.1689	0.3033
15	7.59	6.67	4.0837	0	0.0136	4.0972	0.4656	0	-0.1592	0.3064
16	7.73	7.08	4.0836	0	0.0144	4.098	0.4689	0	-0.1416	0.3273
17	7.81	7.42	4.0835	0	0.0142	4.0978	0.4755	0	-0.127	0.3485
18	8.07	7.71	4.083	0	0.0131	4.0961	0.4783	0	-0.1172	0.3611
19	8.26	7.96	4.0827	0	0.0126	4.0952	0.48	0	-0.1037	0.3762
20	8.52	8.17	4.0827	0	0.0137	4.0963	0.4816	0	-0.0918	0.3898
21	8.94	8.34	4.0827	0	0.0149	4.0977	0.4811	0	-0.0859	0.3952
22	8.94	8.48	4.0826	0	0.0154	4.098	0.4833	0	-0.0726	0.4107
23	8.82	8.59	4.0824	0	0.0161	4.0986	0.4858	0	-0.0733	0.4126
24	8.7	8.69	4.0825	0	0.0157	4.0982	0.4905	0	-0.0856	0.4049
25	9.45	8.78	4.0821	0	0.0148	4.0969	0.4938	0	-0.0869	0.4069
26	8.89	8.86	4.0821	0	0.0156	4.0977	0.4947	0	-0.0964	0.3983
27	8.69	8.94	4.0814	0	0.0155	4.097	0.5049	0	-0.0796	0.4253
28	8.91	8.99	4.0812	0	0.0152	4.0964	0.5087	0	-0.0905	0.4181

29	9.01	9.05	4.0811	0	0.0154	4.0965	0.5095	0	-0.0969	0.4126
30	9.12	9.08	4.081	0	0.0163	4.0973	0.5122	0	-0.1072	0.405
31	9.18	9.07	4.081	0	0.0169	4.0979	0.5155	0	-0.1115	0.404
32	9.16	9.09	4.0809	0	0.0171	4.098	0.5181	0	-0.1163	0.4018
33	9.28	9.11	4.0807	0	0.0172	4.0979	0.5206	0	-0.1284	0.3922
34	9.26	9.13	4.0805	0	0.0171	4.0976	0.5236	0	-0.1269	0.3967
35	9.25	9.12	4.0802	0	0.0176	4.0977	0.5279	0	-0.1259	0.4019
36	9.4	9.14	4.08	0	0.0227	4.1026	0.5294	0	-0.1429	0.3864
37	9.01	9.18	4.0799	0	0.0215	4.1014	0.5316	0	-0.1361	0.3956
38	9.36	9.2	4.0796	0	0.0208	4.1004	0.5329	0	-0.1242	0.4087
39	9.17	9.25	4.0794	0	0.0199	4.0993	0.5387	0	-0.0952	0.4434
40	8.78	9.27	4.079	0	0.019	4.098	0.5442	0	-0.1118	0.4324
41	9.23	9.29	4.0785	0	0.0182	4.0968	0.5502	0	-0.1248	0.4253
42	9.22	9.35	4.0782	0	0.0184	4.0966	0.5544	0	-0.1081	0.4464
43	9.09	9.41	4.078	0	0.0202	4.0981	0.558	0	-0.096	0.4619
44	9.17	9.46	4.0777	0	0.0232	4.1009	0.5619	0	-0.1051	0.4568
45	9.29	9.53	4.0771	0	0.0253	4.1024	0.5662	0	-0.1142	0.452
46	9.57	9.59	4.0767	0	0.0242	4.1009	0.5723	0	-0.1086	0.4637
47	9.16	9.68	4.0762	0	0.0228	4.099	0.5813	0	-0.1003	0.481
48	10.1	9.74	4.0754	0	0.023	4.0985	0.5895	0	-0.0987	0.4908
49	9.56	9.81	4.0746	0	0.0235	4.0981	0.5986	0	-0.0941	0.5045
50	9.45	9.92	4.0729	0	0.0239	4.0968	0.6056	0	-0.0923	0.5133
51	10.3	10	4.0722	0	0.0242	4.0964	0.6138	0	-0.0776	0.5363
52	10.4	10.1	4.0713	0	0.0253	4.0966	0.6221	0	-0.0653	0.5568
53	10.4	10.1	4.0696	0	0.0247	4.0943	0.6255	0	-0.0842	0.5413
54	10.5	10.3	4.0685	0	0.024	4.0925	0.6203	0	-0.0874	0.5328
55	10.6	10.4	4.0677	0	0.0234	4.0911	0.6101	0	-0.0801	0.53
56	10.6	10.5	4.0669	0	0.0231	4.09	0.6064	0	-0.0619	0.5446
57	10.5	10.6	4.0665	0	0.0233	4.0898	0.6032	0	-0.0422	0.561
58	10.5	10.7	4.0665	0	0.023	4.0895	0.6041	0	-0.0356	0.5685
59	10.8	10.8	4.0664	0	0.0225	4.0889	0.6086	0	-0.0328	0.5758
60	10.8	10.9	4.0663	0	0.0228	4.089	0.6083	0	-0.0371	0.5712
61	10.4	11	4.0659	0	0.021	4.0869	0.6109	0	-0.0479	0.5631
62	10.6	11	4.0649	0	0.0213	4.0862	0.613	0	-0.0373	0.5758
63	11.4	11	4.0645	0	0.0209	4.0854	0.6195	0	-0.0178	0.6017
64	11.3	11.1	4.0645	0	0.0204	4.0849	0.6268	0	-0.0567	0.5701
65	11.6	11.1	4.0638	0	0.0194	4.0832	0.6272	0	-0.0766	0.5506

66	11.4	11.1	4.0629	0	0.0186	4.0815	0.6327	0	-0.0635	0.5692
67	11.5	11.1	4.0622	0	0.018	4.0803	0.6376	0	-0.0474	0.5902
68	12	11.2	4.0617	0	0.0172	4.0789	0.6436	0	-0.0298	0.6137
69	11.9	11.2	4.0611	0	0.0165	4.0776	0.649	0	-0.034	0.615
70	11.1	11.2	4.0606	0	0.0162	4.0768	0.6571	0	-0.026	0.6311
71	10.7	11.3	4.06	0	0.0153	4.0753	0.6711	0	0.0071	0.6781
72	10.9	11.3	4.0593	0	0.0154	4.0747	0.6877	0	0.0293	0.717
73	11.7	11.3	4.0585	0	0.0164	4.0749	0.6983	0	0.0436	0.7419
74	11.2	11.3	4.0577	0	0.0166	4.0743	0.702	0	0.0556	0.7576
75	10.8	11.3	4.0572	0	0.0174	4.0746	0.7151	0	0.0519	0.767
76	10.9	11.4	4.0559	0	0.0162	4.0721	0.717	0	0.0316	0.7486
77	11.1	11.4	4.0551	0	0.0171	4.0722	0.7215	0	0.0418	0.7632
78	11.3	11.4	4.0545	0	0.0177	4.0722	0.7269	0	0.0316	0.7585
79	11.5	11.5	4.0538	0	0.0186	4.0724	0.7332	0	0.0263	0.7595
80	11.5	11.5	4.053	0	0.0191	4.0721	0.7416	0	0.0266	0.7682
81	11.6	11.6	4.0523	0	0.0196	4.0719	0.7512	0	0.0446	0.7958
82	11.5	11.7	4.0516	0	0.0207	4.0723	0.7631	0	0.066	0.8291
83	11.3	11.8	4.0508	0	0.0207	4.0715	0.7743	0	0.0849	0.8592
84	11.7	11.9	4.0499	0	0.0208	4.0707	0.7819	0	0.1002	0.8821
85	11.5	12	4.0492	0	0.0224	4.0716	0.7887	0	0.0956	0.8844
86	12	12.2	4.0485	0	0.0219	4.0704	0.792	0	0.1023	0.8943
87	12.4	12.3	4.0479	0	0.021	4.0689	0.7993	0	0.1662	0.9655
88	12.8	12.4	4.0468	0	0.0185	4.0654	0.8058	0	0.1709	0.9767
89	12.4	12.5	4.0458	0	0.0201	4.0659	0.8176	0	0.1514	0.9689
90	12.7	12.6	4.0447	0	0.0214	4.0661	0.8272	0	0.1384	0.9656
91	12.8	12.7	4.0438	0	0.02	4.0638	0.8298	0	0.117	0.9468
92	12.7	12.7	4.0429	0	0.019	4.0619	0.8365	0	0.0893	0.9258
93	13.1	12.9	4.0419	0	0.02	4.0619	0.8445	0	0.0864	0.9309
94	13.6	13	4.041	0	0.0209	4.0619	0.8546	0	0.1091	0.9638
95	13.6	13.1	4.0398	0	0.0205	4.0603	0.8655	0	0.1145	0.9801
96	13.1	13.1	4.0384	0	0.0198	4.0582	0.8729	0	0.1061	0.979
97	12.9	13.2	4.037	0	0.0197	4.0567	0.8789	0	0.1211	1
98	13.4	13.3	4.0355	0	0.0194	4.0549	0.8852	0	0.0858	0.9711
99	13.7	13.3	4.0342	0	0.0193	4.0535	0.8875	0	0.0461	0.9336
100	13.4	13.4	4.033	0	0.0198	4.0528	0.8937	0	0.0588	0.9526
101	12.9	13.4	4.0318	0	0.0194	4.0512	0.8855	0	0.0645	0.95
102	13.3	13.5	4.0303	0	0.0207	4.051	0.8913	0	0.0732	0.9645

103	13.5	13.5	4.0296	0	0.0209	4.0504	0.8971	0	0.0811	0.9782
104	13.5	13.5	4.0289	0	0.0205	4.0493	0.8933	0	0.0496	0.943
105	13.6	13.5	4.0281	0	0.0188	4.047	0.8946	0	0.0396	0.9342
106	13.8	13.6	4.0275	0	0.0175	4.045	0.8982	0	0.0501	0.9483
107	14.1	13.7	4.0266	0	0.018	4.0446	0.9049	0	0.0525	0.9573
108	13.9	13.8	4.0256	0	0.0187	4.0443	0.9187	0	0.0484	0.9671
109	13	13.8	4.0249	0	0.019	4.0439	0.9327	0	0.0423	0.9749
110	13.2	13.9	4.0241	0	0.019	4.0431	0.948	0	0.0357	0.9837
111	14.5	13.9	4.0237	0	0.019	4.0427	0.9657	0	0.0447	1.0103
112	13.9	14	4.0229	0	0.0188	4.0417	0.9748	0	0.06	1.0347
113	13.9	14.1	4.022	0	0.0197	4.0417	0.9822	0	0.061	1.0431
114	13.7	14.1	4.0213	0	0.0191	4.0404	1.0058	0	0.0552	1.061
115	13.7	14.2	4.0204	0	0.0199	4.0403	1.0184	0	0.0584	1.0769
116	15	14.2	4.0198	0	0.0191	4.039	1.0248	0	0.0591	1.0839
117	14.8	14.1	4.0192	0	0.0172	4.0364	1.033	0	0.0508	1.0839
118	14.5	14.2	4.0181	0	0.0165	4.0346	1.0397	0	0.0353	1.075
119	14.5	14.3	4.0169	0	0.0152	4.0321	1.0427	0	0.0266	1.0694
120	14.5	14.3	4.0156	0	0.013	4.0285	1.0502	0	0.0331	1.0834
121	14.9	14.3	4.014	0	0.012	4.026	1.0679	0	0.0338	1.1016
122	14.5	14.3	4.0127	0	0.0111	4.0238	1.0845	0	0.0218	1.1063
123	14.3	14.3	4.0122	0	0.0106	4.0228	1.0832	0	0.0237	1.1069
124	14.6	14.4	4.011	0	0.0106	4.0215	1.0884	0	0.0508	1.1392
125	13.5	14.5	4.0104	0	0.0117	4.0221	1.0938	0	0.0547	1.1486
126	13.6	14.5	4.01	0	0.0114	4.0214	1.101	0	0.0759	1.1769
127	14.7	14.5	4.0088	0	0.0124	4.0211	1.107	0	0.0678	1.1748
128	14.4	14.4	4.0079	0	0.0125	4.0204	1.1182	0	0.0773	1.1956
129	14	14.5	4.007	0	0.0127	4.0197	1.1257	0	0.0857	1.2113
130	14	14.5	4.0059	0	0.0118	4.0177	1.1305	0	0.0764	1.2068
131	14.3	14.4	4.0047	0	0.0103	4.015	1.1375	0	0.0819	1.2193
132	14.9	14.4	4.0035	0	0.0086	4.0121	1.1487	0	0.1211	1.2698
133	15.3	14.4	4.0026	0	0.0072	4.0097	1.1623	0	0.1351	1.2974
134	14.9	14.5	4.0017	0	0.0075	4.0092	1.1703	0	0.1221	1.2923
135	15	14.5	4.001	0	0.0073	4.0083	1.1733	0	0.1345	1.3078
136	14.9	14.5	4.0001	0	0.006	4.0061	1.1806	0	0.1979	1.3785
137	13.6	14.5	3.9993	0	0.0044	4.0037	1.1893	0	0.213	1.4023
138	14.7	14.6	3.9979	0	0.0056	4.0035	1.2002	0	0.218	1.4182
139	14.5	14.6	3.9967	0	0.006	4.0028	1.2025	0	0.1939	1.3964

140	14.2	14.7	3.996	0	0.0073	4.0033	1.206	0	0.2226	1.4286
141	14.5	14.7	3.9949	0	0.0093	4.0042	1.2113	0	0.2259	1.4372
142	14.9	14.7	3.9937	0	0.0098	4.0035	1.2216	0	0.2012	1.4228
143	14.8	14.7	3.9925	0	0.0093	4.0018	1.2327	0	0.1915	1.4242
144	14.3	14.7	3.9911	0	0.0118	4.0029	1.2402	0	0.2086	1.4489
145	14	14.8	3.9899	0	0.0147	4.0046	1.2474	0	0.2279	1.4753
146	14.5	14.9	3.9888	0	0.0121	4.0009	1.2548	0	0.2115	1.4663
147	15.5	15.1	3.9877	0	0.0142	4.0019	1.2557	0	0.2052	1.4608
148	14.7	15.2	3.9867	0	0.0184	4.0051	1.2723	0	0.1856	1.4579
149	15.1	15.4	3.9852	0	0.0176	4.0028	1.2786	0	0.1894	1.4681
150	14.3	15.5	3.9844	0	0.0174	4.0018	1.28	0	0.1786	1.4587
151	15.6	15.7	3.9831	0	0.0169	4	1.2966	0	0.1893	1.486
152	15.6	15.8	3.9816	0	0.0172	3.9988	1.3092	0	0.1858	1.495
153	15.3	15.9	3.9803	0	0.0197	4	1.3149	0	0.1982	1.5131
154	15.9	16.2	3.979	0	0.0201	3.9991	1.3334	0	0.1965	1.5299
155	16.9	16.4	3.9778	0	0.0184	3.9962	1.3542	0	0.1883	1.5425
156	17.2	16.5	3.9764	0	0.0179	3.9942	1.3701	0	0.1762	1.5464
157	16.8	16.7	3.9746	0	0.0185	3.9931	1.3883	0	0.1772	1.5654
158	17.3	16.9	3.9732	0	0.0188	3.992	1.409	0	0.1954	1.6044
159	17.5	17	3.9716	0	0.0189	3.9905	1.42	0	0.2116	1.6316
160	17.1	17.2	3.9697	0	0.0183	3.988	1.4216	0	0.219	1.6406
161	17	17.3	3.9684	0	0.015	3.9834	1.4328	0	0.219	1.6518
162	17.8	17.4	3.9667	0	0.0152	3.9818	1.4458	0	0.2506	1.6964
163	18.6	17.6	3.964	0	0.0154	3.9793	1.4676	0	0.2641	1.7317
164	18	17.7	3.9627	0	0.0146	3.9772	1.4759	0	0.2885	1.7643
165	17.7	17.8	3.9613	0	0.0135	3.9749	1.4931	0	0.2626	1.7558
166	18.4	17.8	3.9596	0	0.0135	3.9731	1.5099	0	0.2716	1.7815
167	18.2	17.9	3.9583	0	0.0145	3.9728	1.5268	0	0.2811	1.8079
168	17.8	17.9	3.9574	0	0.0146	3.9719	1.5428	0	0.2618	1.8046
169	17.9	18	3.956	0	0.0132	3.9692	1.555	0	0.2631	1.818
170	17.5	18.1	3.9538	0	0.0128	3.9666	1.5676	0	0.257	1.8245
171	18.3	18.2	3.9515	0	0.0131	3.9646	1.5816	0	0.2145	1.7961
172	17.8	18.2	3.951	0	0.0131	3.964	1.6008	0	0.1871	1.7879
173	18	18.2	3.9496	0	0.0113	3.961	1.6102	0	0.1897	1.7998
174	18.1	18.2	3.9483	0	0.0111	3.9595	1.6295	0	0.1759	1.8054
175	18.4	18.3	3.9471	0	0.0098	3.9569	1.6506	0	0.1721	1.8227
176	18.1	18.3	3.9452	0	0.0094	3.9546	1.6835	0	0.1807	1.8642

177	18.4	18.5	3.9433	0	0.0094	3.9527	1.7121	0	0.171	1.883
178	18.9	18.5	3.9419	0	0.0092	3.9511	1.7326	0	0.1662	1.8989
179	18.7	18.6	3.9407	0	0.011	3.9518	1.7605	0	0.1628	1.9233
180	18.4	18.7	3.9393	0	0.0109	3.9502	1.7869	0	0.171	1.9578
181	18.4	18.7	3.9374	0	0.0075	3.9449	1.8087	0	0.1707	1.9794
182	18.5	18.8	3.9353	0	0.0072	3.9426	1.8319	0	0.183	2.0149
183	18.7	18.9	3.9338	0	0.0085	3.9423	1.8507	0	0.1583	2.0089
184	18.6	19	3.9326	0	0.0073	3.9399	1.8802	0	0.1515	2.0316
185	19.3	19.1	3.9312	0	0.0026	3.9338	1.9044	0	0.1577	2.0621
186	20.8	19.2	3.9296	0	0.0006	3.9302	1.9314	0	0.1514	2.0828
187	19.2	19.3	3.9279	0	-0.0008	3.9271	1.9497	0	0.1559	2.1056
188	18.9	19.4	3.9266	0	-0.0008	3.9257	1.9768	0	0.1447	2.1215
189	19.4	19.4	3.9252	0	-0.0021	3.9231	2.0023	0	0.1657	2.168
190	19.5	19.5	3.9236	0	-0.0012	3.9224	2.0234	0	0.1892	2.2126
191	19.8	19.6	3.9216	0	-0.0001	3.9215	2.043	0	0.2222	2.2652
192	20	19.8	3.9196	0	-0.0001	3.9195	2.0625	0	0.2439	2.3064
193	19.9	19.9	3.9179	0	-0.0009	3.917	2.0835	0	0.25	2.3335
194	20.2	20.1	3.9162	0	-0.0019	3.9144	2.11	0	0.306	2.4161
195	19.3	20.3	3.9143	0	-0.0007	3.9137	2.1367	0	0.3575	2.4942
196	20.2	20.3	3.9128	0	-0.0007	3.9121	2.1573	0	0.3988	2.5561
197	20.4	20.5	3.9098	0	0.0012	3.911	2.1805	0	0.3237	2.5043
198	19.8	20.8	3.9076	0	0.0004	3.9081	2.2011	0	0.3094	2.5105
199	20.4	21.1	3.9062	0	0.0014	3.9076	2.2313	0	0.3576	2.5889
200	20.2	21.3	3.9034	0	0.0008	3.9042	2.2466	0	0.3601	2.6067
201	20.8	21.6	3.9009	0	0.0008	3.9017	2.2813	0	0.3576	2.6389
202	22.1	21.8	3.8988	0	0.0009	3.8997	2.305	0	0.3475	2.6525
203	22.4	22.1	3.8962	0	0.0012	3.8974	2.3197	0	0.3461	2.6658
204	21.8	22.4	3.8934	0	0.0016	3.8951	2.3465	0	0.3722	2.7187
205	21.9	22.7	3.8911	0	0.0012	3.8924	2.3744	0	0.3885	2.7629
206	22.9	23	3.8887	0	-0.0002	3.8884	2.392	0	0.3917	2.7837
207	24.2	23.2	3.8857	0	-0.0016	3.8842	2.417	0	0.3991	2.8161
208	25	23.6	3.8836	0	-0.0025	3.8812	2.4505	0	0.3942	2.8447
209	23.5	23.9	3.8828	0	-0.0029	3.8799	2.4634	0	0.4042	2.8676
210	25.1	24.3	3.8808	0	-0.0029	3.8779	2.488	0	0.4107	2.8987
211	24.8	24.6	3.8791	0	-0.0061	3.873	2.5205	0	0.421	2.9415
212	25	25	3.8762	0	-0.0076	3.8686	2.5406	0	0.38	2.9207
213	25.5	25.2	3.8744	0	-0.0092	3.8653	2.5575	0	0.3737	2.9313

214	25	25.5	3.872	0	-0.0072	3.8648	2.5699	0	0.3752	2.9451
215	25.5	25.9	3.8694	0	-0.0072	3.8622	2.5988	0	0.3675	2.9663
216	25.9	26.1	3.8672	0	-0.009	3.8582	2.6282	0	0.3504	2.9786
217	25.7	26.4	3.8649	0	-0.009	3.8559	2.6514	0	0.3428	2.9942
218	27.4	26.7	3.8626	0	-0.0099	3.8528	2.6821	0	0.3462	3.0283
219	27.5	27.1	3.8602	0	-0.0105	3.8497	2.7253	0	0.3149	3.0402
220	26.4	27.3	3.8574	0	-0.0085	3.8489	2.7403	0	0.3424	3.0827
221	28.9	27.7	3.8539	0	-0.0067	3.8472	2.7636	0	0.2349	2.9985
222	27.8	27.9	3.8517	0	-0.0079	3.8438	2.7913	0	0.2322	3.0234
223	27.4	28.2	3.8493	0	-0.007	3.8423	2.8328	0	0.2233	3.0561
224	27.8	28.6	3.8459	0	-0.0067	3.8393	2.8638	0	0.1941	3.058
225	28	28.9	3.8421	0	-0.0064	3.8357	2.8888	0	0.1999	3.0888
226	29.3	29.1	3.8387	0	-0.0057	3.8331	2.923	0	0.2075	3.1305
227	30.7	29.5	3.8355	0	-0.0042	3.8312	2.9529	0	0.2219	3.1749
228	30.6	29.7	3.8319	0	-0.0038	3.8281	2.9738	0	0.2403	3.2141
229	30.2	30.1	3.8283	0	-0.0044	3.8239	3.0034	0	0.2599	3.2632
230	30.7	30.5	3.8251	0	-0.0053	3.8198	3.0319	0	0.2954	3.3272
231	30.4	30.8	3.8215	0	-0.008	3.8135	3.0569	0	0.3207	3.3776
232	30.8	31.2	3.8184	0	-0.0072	3.8112	3.09	0	0.3012	3.3911
233	31.4	31.6	3.8145	0	-0.008	3.8066	3.1226	0	0.3038	3.4264
234	31.5	32	3.8112	0	-0.0083	3.8029	3.1374	0	0.3822	3.5196
235	30.9	32.5	3.8078	0	-0.0078	3.8	3.1727	0	0.3662	3.5389
236	31.9	32.8	3.8051	0	-0.0096	3.7955	3.204	0	0.3155	3.5195
237	32.8	33.1	3.8016	0	-0.0101	3.7915	3.2314	0	0.2703	3.5017
238	33.6	33.3	3.7976	0	-0.0109	3.7867	3.2599	0	0.2155	3.4754
239	34	33.6	3.7944	0	-0.0129	3.7815	3.2899	0	0.1992	3.4891
240	34.3	33.9	3.7917	0	-0.0149	3.7768	3.3145	0	0.1918	3.5063
241	35.4	34.3	3.7886	0	-0.0151	3.7735	3.3433	0	0.1905	3.5338
242	36.1	34.6	3.7854	0	-0.0152	3.7701	3.3747	0	0.1845	3.5592
243	36	35	3.7815	0	-0.0213	3.7601	3.3867	0	0.2167	3.6035
244	36.2	35.5	3.7774	0	-0.024	3.7535	3.4221	0	0.2006	3.6227
245	35.2	35.8	3.7741	0	-0.0252	3.7489	3.442	0	0.2625	3.7045
246	36.5	36.2	3.7707	0	-0.0202	3.7505	3.4636	0	0.2267	3.6903
247	35	36.7	3.7675	0	-0.0167	3.7509	3.4911	0	0.1794	3.6705
248	35.3	37.1	3.7635	0	-0.0173	3.7462	3.5019	0	0.175	3.6768
249	36.8	37.4	3.7606	0	-0.0184	3.7422	3.5309	0	0.0867	3.6177
250	37.4	37.7	3.7563	0	-0.0183	3.7379	3.5586	0	0.1034	3.662

251	37.2	37.9	3.7526	0	-0.0178	3.7348	3.5729	0	0.12	3.6928
252	39.3	38.2	3.7496	0	-0.0174	3.7322	3.601	0	0.0957	3.6967
253	40.4	38.6	3.7456	0	-0.0175	3.7282	3.6353	0	0.0732	3.7085
254	37.9	38.9	3.7416	0	-0.0188	3.7228	3.6569	0	0.0963	3.7531
255	39.3	39.2	3.7386	0	-0.0208	3.7179	3.6701	0	0.1526	3.8228
256	41.7	39.5	3.7347	0	-0.0221	3.7126	3.7027	0	-0.0019	3.7007
257	40.8	39.9	3.7296	0	-0.0209	3.7087	3.7106	0	-0.0085	3.7021
258	39.7	40.3	3.7269	0	-0.0217	3.7052	3.7298	0	-0.0313	3.6984
259	41	40.6	3.7228	0	-0.0221	3.7006	3.7596	0	-0.0516	3.708
260	39	41	3.7176	0	-0.0238	3.6939	3.801	0	-0.0465	3.7545
261	41.3	41.3	3.7143	0	-0.023	3.6913	3.8347	0	-0.0266	3.8081
262	42.6	41.6	3.7109	0	-0.0222	3.6887	3.8698	0	-0.0483	3.8216
263	42.3	42	3.707	0	-0.0222	3.6848	3.8783	0	-0.0429	3.8354
264	42.2	42.4	3.7028	0	-0.0222	3.6806	3.9016	0	-0.042	3.8596
265	41.8	42.8	3.6985	0	-0.0215	3.677	3.9303	0	-0.0186	3.9117
266	41.6	43	3.6945	0	-0.0208	3.6737	3.9531	0	-0.0065	3.9466
267	43.3	43.3	3.6901	0	-0.0201	3.67	3.981	0	-0.0212	3.9598
268	42.8	43.7	3.6848	0	-0.0169	3.6679	4.0153	0	-0.0506	3.9647
269	44	44	3.682	0	-0.0211	3.6609	4.0274	0	-0.1115	3.9159
270	43.9	44.4	3.6775	0	-0.0107	3.6668	4.0552	0	-0.0685	3.9867
271	45	44.7	3.6724	0	-0.0101	3.6623	4.0794	0	-0.0108	4.0686
272	47.3	44.9	3.6677	0	-0.0093	3.6584	4.1012	0	0.0041	4.1053
273	46.4	45.3	3.6632	0	-0.0081	3.6552	4.125	0	0.0417	4.1667
274	46.7	45.6	3.6595	0	-0.0089	3.6506	4.1525	0	0.067	4.2195
275	46	46	3.6548	0	-0.0109	3.6438	4.1702	0	0.0635	4.2337
276	45.9	46.3	3.6499	0	-0.0128	3.6371	4.1803	0	0.0774	4.2577
277	47.4	46.5	3.6459	0	-0.0146	3.6313	4.1923	0	0.14	4.3324
278	46.7	46.8	3.6416	0	-0.0168	3.6248	4.1953	0	0.2125	4.4078
279	46.9	47	3.6376	0	-0.0185	3.619	4.2015	0	0.1702	4.3717
280	46.9	47.4	3.6336	0	-0.0212	3.6124	4.2247	0	0.1546	4.3793
281	45.9	47.8	3.6284	0	-0.0226	3.6058	4.2446	0	0.1633	4.4078
282	49.4	47.9	3.6231	0	-0.0232	3.5999	4.2395	0	0.1632	4.4027
283	47.9	48.1	3.62	0	-0.0297	3.5903	4.2542	0	0.1733	4.4276
284	49.4	48.2	3.6153	0	-0.0293	3.586	4.2625	0	0.1789	4.4414
285	48.1	48.3	3.6108	0	-0.029	3.5818	4.277	0	0.2007	4.4777
286	47.2	48.4	3.6065	0	-0.0264	3.58	4.3002	0	0.2375	4.5377
287	48	48.5	3.6019	0	-0.0223	3.5795	4.319	0	0.232	4.551

288	48.7	48.8	3.5976	0	-0.0208	3.5768	4.3237	0	0.2171	4.5408
289	50.2	49	3.5937	0	-0.0213	3.5724	4.3324	0	0.2061	4.5386
290	52.3	49.1	3.5892	0	-0.0202	3.569	4.3493	0	0.1925	4.5418
291	50.9	49.3	3.5841	0	-0.0185	3.5656	4.3713	0	0.1604	4.5317
292	49.1	49.4	3.5809	0	-0.0218	3.5591	4.3894	0	0.1583	4.5476
293	49.3	49.7	3.5757	0	-0.021	3.5547	4.4166	0	0.1476	4.5643
294	46.7	50	3.572	0	-0.0281	3.5439	4.4131	0	0.0875	4.5006
295	48.4	50.3	3.568	0	-0.0233	3.5447	4.4256	0	0.0649	4.4905
296	50.1	50.4	3.5637	0	-0.0187	3.545	4.4448	0	0.0792	4.5241
297	51.2	50.6	3.5596	0	-0.0163	3.5433	4.4659	0	0.1297	4.5957
298	50.3	50.7	3.5545	0	-0.0082	3.5463	4.4836	0	0.1639	4.6475
299	49.5	50.7	3.5503	0	-0.0089	3.5414	4.4939	0	0.1529	4.6468
300	49.6	50.6	3.5461	0	-0.0112	3.5349	4.5175	0	0.1607	4.6781
301	51.8	50.7	3.5408	0	-0.0088	3.532	4.5295	0	0.199	4.7285
302	54.3	51	3.5353	0	-0.0064	3.5289	4.5501	0	0.2189	4.769
303	53.9	51.3	3.5305	0	-0.0084	3.5221	4.5774	0	0.2186	4.796
304	53.7	51.7	3.5264	0	-0.0136	3.5128	4.5963	0	0.1934	4.7897
305	49.9	52.1	3.5209	0	0.0014	3.5223	4.5912	0	0.1563	4.7476
306	50.9	52.4	3.5176	0	0.0006	3.5182	4.6178	0	0.1181	4.7359
307	50.6	52.6	3.5128	0	0.0015	3.5143	4.6571	0	0.1458	4.8029
308	50.5	52.7	3.5076	0	0.0027	3.5104	4.644	0	0.1491	4.7931
309	50.8	52.9	3.5027	0	0.0017	3.5044	4.6694	0	0.1749	4.8443
310	52.8	53.1	3.4973	0	-0.0002	3.4971	4.6866	0	0.3204	5.007
311	54.3	53.4	3.4921	0	-0.0012	3.4909	4.6932	0	0.3914	5.0846
312	55.4	53.4	3.4884	0	-0.0033	3.485	4.7129	0	0.3445	5.0575
313	55	53.3	3.4843	0	-0.005	3.4793	4.7281	0	0.2265	4.9546
314	55.1	53.2	3.479	0	-0.0053	3.4737	4.7488	0	0.1361	4.885
315	56.7	53.4	3.4741	0	-0.0066	3.4675	4.778	0	0.146	4.924
316	53.8	53.6	3.4691	0	-0.0069	3.4622	4.7867	0	0.1998	4.9866
317	52.7	53.9	3.4634	0	-0.0039	3.4595	4.8048	0	0.2091	5.0139
318	53.1	54.2	3.4599	0	0.0013	3.4612	4.8092	0	0.1754	4.9846
319	54.4	54.3	3.4547	0	-0.0037	3.451	4.7969	0	0.2174	5.0143
320	56.9	54.3	3.4495	0	-0.0074	3.4421	4.8277	0	0.1965	5.0242
321	54.6	54.3	3.4438	0	-0.0071	3.4366	4.837	0	0.3101	5.1471
322	51.9	54.2	3.4392	0	-0.0121	3.4271	4.838	0	0.3266	5.1645
323	51.6	54.2	3.434	0	-0.0137	3.4203	4.8485	0	0.3301	5.1786
324	53.8	54.3	3.4289	0	-0.013	3.4159	4.8645	0	0.3346	5.1991

325	55.1	54.3	3.424	0	-0.0141	3.4099	4.8867	0	0.3345	5.2212
326	55.7	54.4	3.4195	0	-0.0197	3.3998	4.9015	0	0.2969	5.1984
327	56	54.7	3.416	0	-0.0255	3.3905	4.9103	0	0.2566	5.1669
328	52.6	54.9	3.4117	0	-0.0208	3.3909	4.9328	0	0.233	5.1659
329	54	55.1	3.4058	0	-0.0199	3.386	4.9446	0	0.1984	5.143
330	52.7	55.2	3.4006	0	-0.0216	3.379	4.9581	0	0.179	5.137
331	54.7	55.2	3.3976	0	-0.0243	3.3733	4.9741	0	0.1586	5.1327
332	54.5	55.3	3.393	0	-0.0246	3.3684	4.9775	0	0.1789	5.1564
333	56.2	55.5	3.3883	0	-0.0259	3.3624	4.9812	0	0.1929	5.1741
334	56.8	55.8	3.3835	0	-0.0283	3.3552	5.0097	0	0.1225	5.1322
335	56.6	56	3.3778	0	-0.0316	3.3463	5.0169	0	0.1406	5.1574
336	57.3	56.1	3.3732	0	-0.0328	3.3404	5.022	0	0.1392	5.1612
337	58.5	56.1	3.3693	0	-0.0318	3.3375	5.0364	0	0.0758	5.1122
338	58.4	56.2	3.3644	0	-0.0315	3.3329	5.0575	0	0.0494	5.1069
339	57	56.3	3.3595	0	-0.0321	3.3273	5.0739	0	0.0752	5.149
340	55.3	56.6	3.3546	0	-0.0309	3.3236	5.093	0	-0.0015	5.0915
341	54.1	56.7	3.3497	0	-0.0309	3.3188	5.1065	0	-0.0065	5.1
342	55.8	56.9	3.3437	0	-0.03	3.3137	5.1114	0	-0.0013	5.1101
343	59.7	57	3.3402	0	-0.0301	3.3101	5.133	0	-0.0104	5.1226
344	58	57.3	3.3349	0	-0.0304	3.3044	5.1352	0	0.034	5.1692
345	56.9	57.4	3.3296	0	-0.0331	3.2965	5.1611	0	-0.0058	5.1553
346	56.1	57.5	3.3241	0	-0.0332	3.2909	5.1838	0	0.0534	5.2372
347	55.4	57.5	3.3192	0	-0.0331	3.2861	5.2014	0	0.0922	5.2936
348	56.6	57.5	3.3142	0	-0.0326	3.2815	5.2226	0	0.1124	5.335
349	57	57.6	3.3088	0	-0.0345	3.2744	5.2363	0	0.2056	5.4419
350	57	57.8	3.3033	0	-0.0382	3.2651	5.2553	0	0.2094	5.4648
351	58.5	58.1	3.2976	0	-0.0397	3.2579	5.2734	0	0.1899	5.4633
352	58.6	58.3	3.2919	0	-0.0392	3.2526	5.2745	0	0.2075	5.482
353	62.6	58.4	3.286	0	-0.0368	3.2492	5.2983	0	0.2265	5.5247
354	57.2	58.5	3.2825	0	-0.0344	3.248	5.2931	0	0.259	5.5521
355	59.4	58.6	3.2769	0	-0.0326	3.2443	5.3021	0	0.232	5.5341
356	58.5	59	3.269	0	-0.0366	3.2323	5.3066	0	0.3947	5.7013
357	58.2	59.5	3.2652	0	-0.0358	3.2293	5.3354	0	0.4151	5.7505
358	60.4	59.9	3.2599	0	-0.0391	3.2208	5.3481	0	0.4479	5.7959
359	59.1	60.3	3.2541	0	-0.0542	3.2	5.3656	0	0.4666	5.8322
360	58.7	60.5	3.2483	0	-0.0629	3.1854	5.3861	0	0.4578	5.8439
361	60.7	60.6	3.243	0	-0.0574	3.1856	5.3949	0	0.4338	5.8288

362	61.1	60.8	3.2381	0	-0.0448	3.1933	5.4118	0	0.432	5.8438
363	59.1	60.8	3.2321	0	-0.0358	3.1963	5.4333	0	0.4378	5.871
364	60	61.1	3.225	0	-0.0368	3.1882	5.4675	0	0.4532	5.9207
365	62.9	61.4	3.2198	0	-0.0415	3.1783	5.4708	0	0.4425	5.9133
366	65.1	61.6	3.214	0	-0.0417	3.1723	5.5018	0	0.3914	5.8932
367	64.7	61.7	3.2091	0	-0.0376	3.1715	5.5095	0	0.3855	5.8949
368	64	61.9	3.2051	0	-0.0387	3.1665	5.5161	0	0.3469	5.863
369	60.2	62.3	3.1992	0	-0.0407	3.1585	5.5482	0	0.4004	5.9486
370	60.9	62.7	3.1938	0	-0.0417	3.1521	5.5624	0	0.4027	5.9652
371	61.9	62.9	3.1886	0	-0.0428	3.1458	5.5746	0	0.4054	5.98
372	62.5	63	3.1828	0	-0.0423	3.1406	5.5806	0	0.3728	5.9534
373	64.5	63.4	3.1768	0	-0.0415	3.1353	5.599	0	0.2303	5.8293
374	64.9	63.7	3.1708	0	-0.0423	3.1285	5.6092	0	0.2521	5.8613
375	61.8	64	3.1646	0	-0.0406	3.124	5.6409	0	0.2693	5.9102
376	60.2	64.2	3.1589	0	-0.0384	3.1204	5.6507	0	0.308	5.9588
377	64.1	64.2	3.1526	0	-0.0379	3.1147	5.6757	0	0.294	5.9697
378	66.3	64.3	3.1472	0	-0.0367	3.1105	5.7034	0	0.2547	5.9581
379	67	64.6	3.1418	0	-0.0364	3.1053	5.7333	0	0.2472	5.9805
380	63.2	64.9	3.1362	0	-0.037	3.0992	5.7369	0	0.1611	5.898
381	64.7	65.3	3.1307	0	-0.0405	3.0902	5.7616	0	0.0884	5.85
382	65	65.6	3.125	0	-0.0425	3.0825	5.8027	0	0.0545	5.8572
383	66.1	65.8	3.119	0	-0.0419	3.0771	5.8239	0	0.0556	5.8795
384	69.3	66.1	3.1136	0	-0.0433	3.0703	5.8513	0	0.0439	5.8952
385	68.8	66.5	3.1086	0	-0.0429	3.0657	5.8743	0	0.0365	5.9108
386	64.1	67	3.1028	0	-0.034	3.0688	5.9043	0	0.0378	5.9421
387	65.9	67.2	3.0961	0	-0.0273	3.0688	5.9197	0	0.043	5.9627
388	66.4	67.5	3.0902	0	-0.0283	3.0619	5.9503	0	0.0769	6.0273
389	67	67.5	3.0844	0	-0.0211	3.0633	5.9666	0	0.094	6.0606
390	69.4	67.9	3.0786	0	-0.0196	3.059	5.9878	0	0.1344	6.1221
391	68.4	68	3.073	0	-0.0184	3.0546	6.0017	0	0.1561	6.1578
392	68.5	68.3	3.0676	0	-0.0208	3.0469	6.0349	0	0.1822	6.2171
393	69.6	68.5	3.0622	0	-0.0244	3.0378	6.0447	0	0.22	6.2646
394	69.8	68.7	3.0559	0	-0.0275	3.0284	6.0743	0	0.173	6.2474
395	68.7	68.9	3.0496	0	-0.0287	3.0209	6.092	0	0.1061	6.1981
396	69.4	69.5	3.0436	0	-0.0279	3.0157	6.1154	0	0.0973	6.2127
397	70.5	70	3.0373	0	-0.0275	3.0098	6.1544	0	0.1232	6.2776
398	68.2	70.3	3.0309	0	-0.0288	3.0021	6.1616	0	0.1517	6.3133

399	70.5	70.8	3.0248	0	-0.0299	2.995	6.1895	0	0.1858	6.3753
400	66.7	71.1	3.0187	0	-0.0302	2.9886	6.2095	0	0.1619	6.3713
401	69.9	71.5	3.0133	0	-0.0295	2.9838	6.2335	0	0.1211	6.3546
402	71.2	71.9	3.0055	0	-0.0291	2.9764	6.294	0	0.1185	6.4125
403	73	72.2	3.0012	0	-0.0343	2.9669	6.3371	0	0.2671	6.6042
404	72.6	72.6	2.9962	0	-0.0368	2.9594	6.485	0	0.3214	6.8064
405	75.4	72.9	2.9902	0	-0.0381	2.9522	6.6365	0	0.3444	6.9808
406	74.1	73.3	2.9841	0	-0.0409	2.9432	6.731	0	0.3727	7.1038
407	73.6	73.5	2.978	0	-0.0432	2.9347	6.8037	0	0.313	7.1167
408	75.3	74.1	2.9711	0	-0.0439	2.9271	6.8179	0	0.344	7.162
409	74.7	74.5	2.964	0	-0.044	2.92	6.7781	0	0.3586	7.1367
410	75.8	75	2.9578	0	-0.0436	2.9142	6.777	0	0.2879	7.065
411	76.3	75.3	2.9509	0	-0.0444	2.9065	6.8007	0	0.0971	6.8978
412	76.6	75.6	2.945	0	-0.0471	2.8979	6.8069	0	0.0778	6.8847
413	76.5	75.9	2.9375	0	-0.0503	2.8872	6.8205	0	0.1873	7.0078
414	75.7	76.4	2.9319	0	-0.0496	2.8823	6.8306	0	0.2689	7.0994
415	75.4	76.8	2.9239	0	-0.0457	2.8782	6.803	0	0.3376	7.1406
416	75.9	77.3	2.9181	0	-0.0454	2.8727	6.7261	0	0.3308	7.057
417	77.9	77.7	2.9118	0	-0.0386	2.8732	6.5671	0	0.4048	6.9719
418	78.1	78.4	2.9051	0	-0.0387	2.8663	6.5622	0	0.4497	7.0119
419	77.1	78.9	2.8984	0	-0.0439	2.8545	6.7332	0	0.3204	7.0537
420	76.5	79.4	2.892	0	-0.048	2.8441	6.8756	0	0.2478	7.1233
421	76.8	79.8	2.8857	0	-0.0444	2.8413	7.4153	0	0.1555	7.5708
422	78.7	80.3	2.8793	0	-0.0351	2.8442	7.1134	0	-0.4138	6.6996
423	81.6	80.5	2.8731	0	-0.0389	2.8342	6.9539	0	-0.4705	6.4834
424	83.6	80.7	2.8648	0	-0.0399	2.8249	6.6326	0	-0.271	6.3617
425	82	81	2.859	0	-0.0449	2.814	6.3491	0	-0.1834	6.1657
426	82.5	81.3	2.8519	0	-0.0491	2.8029	6.1687	0	-0.1106	6.0581
427	87.8	82.1	2.8456	0	-0.051	2.7947	6.0575	0	-0.0241	6.0334
428	85.1	82.6	2.8384	0	-0.0455	2.7929	5.8664	0	0.0154	5.8817
429	84.3	83.2	2.8321	0	-0.036	2.7962	5.5766	0	0.0496	5.6262
430	85	83.7	2.8244	0	-0.0304	2.794	5.456	0	0.0668	5.5227
431	84.5	84.5	2.8173	0	-0.0297	2.7876	5.6472	0	-0.0162	5.631
432	81.9	85.1	2.8106	0	-0.0301	2.7805	6.9742	0	-0.3005	6.6736
433	79.1	85.7	2.8032	0	-0.0303	2.7729	6.2003	0	-0.2909	5.9094
434	79.8	86	2.7961	0	-0.032	2.7641	5.6848	0	-0.2392	5.4456
435	83.3	86.4	2.7874	0	-0.0353	2.752	5.4679	0	-0.4303	5.0376

436	91.7	86.9	2.7812	0	-0.0371	2.7442	5.4951	0	-0.5023	4.9927
437	88	87.1	2.7742	0	-0.0395	2.7347	5.5991	0	-0.48	5.119
438	88.6	87.6	2.7677	0	-0.0409	2.7268	5.7101	0	-0.4565	5.2536
439	86.8	88	2.7607	0	-0.0456	2.7151	5.699	0	-0.4736	5.2254
440	91.5	88.3	2.7544	0	-0.0465	2.7079	5.5774	0	-0.4061	5.1713
441	90.7	89	2.7462	0	-0.0491	2.6971	5.5529	0	-0.3753	5.1776
442	91.3	89.7	2.7393	0	-0.052	2.6873	5.5914	0	-0.3348	5.2566
443	91	90.4	2.7327	0	-0.0474	2.6853	5.587	0	-0.3548	5.2322
444	89.2	91.3	2.7257	0	-0.041	2.6846	5.6548	0	-0.2928	5.3621
445	91.3	91.9	2.7181	0	-0.0428	2.6753	5.4518	0	-0.2181	5.2337
446	92.3	92.2	2.7087	0	-0.0455	2.6632	5.3577	0	-0.1739	5.1839
447	93.6	92.6	2.703	0	-0.0483	2.6548	5.4793	0	-0.1032	5.3761
448	93	92.9	2.6952	0	-0.0512	2.644	6.3983	0	-0.0232	6.375
449	90.1	93.3	2.6879	0	-0.0506	2.6372	6.9716	0	0.0226	6.9942
450	97.5	93.8	2.68	0	-0.0503	2.6296	6.743	0	0.0565	6.7995
451	94.9	93.9	2.6682	0	-0.0516	2.6166	6.3805	0	0.1004	6.4809
452	94.1	94.4	2.6582	0	-0.0659	2.5922	6.3709	0	0.0961	6.467
453	95.4	95.1	2.6375	0	-0.069	2.5685	6.4559	0	-0.018	6.4379
454	96.2	95.9	2.6188	0	-0.0689	2.55	6.6371	0	-0.1298	6.5073
455	96.2	96.4	2.6038	0	-0.0699	2.5339	6.7202	0	-0.2188	6.5013
456	95.7	96.7	2.5886	0	-0.0679	2.5207	6.783	0	-0.344	6.439
457	94.5	97	2.5834	0	-0.0702	2.5131	6.5945	0	-0.3669	6.2276
458	95.1	97.5	2.5821	0	-0.075	2.5071	6.9989	0	-0.4904	6.5084
459	101	97.8	2.5764	0	-0.083	2.4935	7.1772	0	-0.5525	6.6247
460	92.5	97.9	2.5683	0	-0.0726	2.4956	7.0873	0	-0.5795	6.5077
461	101	98.4	2.5624	0	-0.0652	2.4971	7.0899	0	-0.652	6.4379
462	103	99	2.556	0	-0.0636	2.4925	7.1678	0	-0.7856	6.3822
463	105	99.4	2.549	0	-0.0627	2.4864	7.1503	0	-0.9417	6.2085
464	101	99.8	2.5447	0	-0.0705	2.4741	7.101	0	-1.0929	6.0081
465	97.5	100	2.5472	0	-0.0746	2.4726	7.0492	0	-1.1448	5.9043
466	99.8	101	2.5573	0	-0.0822	2.4751	7.0927	0	-1.1734	5.9194
467	101	101	2.5529	0	-0.0826	2.4703	7.0302	0	-1.278	5.7522
468	97.2	102	2.5318	0	-0.0707	2.4611	7.1008	0	-1.2394	5.8614
469	99.1	102	2.5117	0	-0.0655	2.4462	7.1661	0	-1.2306	5.9355
470	103	102	2.4522	0	-0.0573	2.395	7.1624	0	-1.2902	5.8722
471	106	102	2.4773	0	-0.0014	2.4759	7.1896	0	-1.3469	5.8427
472	102	102	2.4875	0	0.0048	2.4922	7.2034	0	-1.2421	5.9613

473	105	103	2.5135	0	-0.0144	2.4991	7.2368	0	-1.0904	6.1464
474	105	103	2.5359	0	-0.024	2.5119	7.3309	0	-1.1041	6.2269
475	104	103	2.5477	0	-0.0296	2.5182	7.3591	0	-1.055	6.304
476	103	104	2.5531	0	-0.036	2.5171	7.2694	0	-1.0505	6.2189
477	101	104	2.566	0	-0.0395	2.5265	7.2034	0	-1.0693	6.1341
478	101	104	2.5895	0	-0.0416	2.5479	7.3313	0	-0.9675	6.3638
479	104	105	2.5962	0	-0.0431	2.5531	7.3927	0	-0.9433	6.4494
480	105	105	2.5714	0	-0.0354	2.5361	7.27	0	-0.7263	6.5436
481	106	105	2.4332	0	-0.0104	2.4228	7.1068	0	-0.671	6.4358
482	107	105	2.5049	0	-0.0134	2.4916	6.9094	0	-0.4863	6.4231
483	107	106	2.5506	0	-0.018	2.5325	6.7671	0	-0.4102	6.3569
484	106	106	2.5668	0	-0.0003	2.5665	6.6759	0	-0.3693	6.3066
485	107	106	2.5591	0	0.0073	2.5664	6.6315	0	-0.4218	6.2096
486	105	107	2.5429	0	0.014	2.5569	6.6053	0	-0.5245	6.0808
487	106	107	2.5251	0	0.0184	2.5435	6.676	0	-0.582	6.094
488	107	108	2.5203	0	0.0191	2.5394	6.795	0	-0.669	6.126
489	106	108	2.5267	0	0.0195	2.5462	6.8191	0	-0.7086	6.1105
490	106	109	2.5233	0	0.018	2.5413	6.9274	0	-0.7611	6.1663
491	110	109	2.5139	0	0.0151	2.5289	7.0996	0	-0.7645	6.3352
492	113	110	2.5089	0	0.0147	2.5236	7.064	0	-0.8019	6.2621
493	108	110	2.4967	0	0.0049	2.5016	7.195	0	-0.8549	6.3402
494	113	111	2.5108	0	-0.0057	2.505	7.2379	0	-0.848	6.39
495	111	111	2.5138	0	-0.0113	2.5025	7.1938	0	-0.7826	6.4111
496	110	112	2.4956	0	-0.0176	2.4781	7.0998	0	-0.7387	6.3611
497	112	112	2.3975	0	-0.0252	2.3723	7.0047	0	-0.7152	6.2895
498	113	113	2.3338	0	-0.0311	2.3027	7.0024	0	-0.7402	6.2622
499	114	113	2.3505	0	-0.0355	2.315	6.9921	0	-0.765	6.227
500	115	114	2.3807	0	-0.0402	2.3405	6.9928	0	-0.7349	6.2579
501	118	114	2.3763	0	-0.0391	2.3371	7.1298	0	-0.6966	6.4332
502	115	114	2.3599	0	-0.0273	2.3326	7.1331	0	-0.7178	6.4152
503	110	114	2.3375	0	-0.0213	2.3162	7.2944	0	-0.8615	6.4329
504	114	115	2.3242	0	-0.0149	2.3093	7.2198	0	-0.8601	6.3597
505	119	115	2.3119	0	-0.0037	2.3083	7.0679	0	-0.7899	6.2779
506	118	115	2.3246	0	-0.0042	2.3204	6.9609	0	-0.8152	6.1457
507	115	116	2.2781	0	0.0058	2.2839	6.9216	0	-0.8211	6.1005
508	114	116	2.2534	0	0.0113	2.2647	6.943	0	-0.8383	6.1047
509	118	116	2.2553	0	0.0139	2.2692	6.9665	0	-0.8529	6.1136

510	118	116	2.2488	0	0.0216	2.2704	6.9465	0	-0.8646	6.0819
511	114	116	2.2342	0	0.0341	2.2683	6.9051	0	-0.6852	6.2199
512	114	116	2.23	0	0.0471	2.2771	6.9724	0	-0.5732	6.3993
513	115	117	2.2274	0	0.059	2.2864	6.8862	0	-0.3542	6.532
514	117	117	2.227	0	0.0649	2.2919	6.8749	0	-0.2483	6.6267
515	116	117	2.2146	0	0.0716	2.2863	7.0379	0	-0.1978	6.8401
516	120	116	2.2151	0	0.0824	2.2975	7.0553	0	-0.1389	6.9164
517	116	116	2.2017	0	0.0853	2.287	7.1365	0	-0.1825	6.954
518	115	116	2.1885	0	0.0843	2.2728	7.1733	0	-0.1885	6.9848
519	118	116	2.1822	0	0.0851	2.2673	7.3704	0	-0.1938	7.1766
520	118	116	2.1731	0	0.0867	2.2598	7.4529	0	-0.1317	7.3212
521	117	116	2.1654	0	0.0798	2.2452	6.799	0	0.069	6.868
522	118	116	2.1556	0	0.074	2.2296	7.1371	0	0.521	7.6581
523	119	116	2.14	0	0.0715	2.2115	7.5458	0	0.4197	7.9654
524	117	116	2.1289	0	0.0656	2.1945	7.5031	0	0.455	7.9581
525	112	116	2.132	0	0.0601	2.1921	7.6988	0	0.364	8.0628
526	116	116	2.1316	0	0.0579	2.1895	7.7178	0	0.3263	8.0442
527	114	116	2.1125	0	0.0458	2.1583	7.7566	0	0.2507	8.0073
528	118	116	2.0991	0	0.0488	2.1479	7.9252	0	0.1931	8.1184
529	115	116	2.1051	0	0.0367	2.1418	8.2103	0	0.1686	8.3789
530	119	116	2.1138	0	0.0367	2.1504	8.3655	0	0.1441	8.5096
531	114	115	2.1263	0	0.0189	2.1452	8.224	0	0.2369	8.4609
532	114	115	2.1339	0	0.0109	2.1448	6.9381	0	0.459	7.3971
533	115	115	2.1356	0	0.0067	2.1422	7.954	0	0.24	8.194
534	113	115	2.1329	0	0.0102	2.1431	8.8716	0	0.039	8.9106
535	115	115	2.1269	0	0.0171	2.144	9.0208	0	0.4751	9.4959
536	119	115	2.1136	0	0.0211	2.1348	8.9586	0	0.6657	9.6243
537	116	115	2.0947	0	0.0274	2.1221	9.4542	0	0.6937	10.1479
538	113	114	2.0858	0	0.0299	2.1157	9.2255	0	0.0951	9.3206
539	114	114	2.0679	0	0.0306	2.0985	9.1916	0	0.0603	9.2519
540	113	114	2.0444	0	0.0299	2.0743	9.24	0	-0.0963	9.1437
541	118	113	2.0398	0	0.031	2.0709	9.2187	0	-0.1265	9.0923
542	112	113	2.0197	0	0.0335	2.0532	9.1156	0	-0.0343	9.0813
543	109	113	2.0089	0	0.0374	2.0464	9.0935	0	0.0338	9.1273
544	113	113	2.0063	0	0.0372	2.0435	9.0622	0	-0.08	8.9821
545	115	112	2.0081	0	0.031	2.0391	9.5845	0	-0.1806	9.4038
546	113	111	2.0082	0	0.026	2.0342	10.7632	0	-0.6917	10.0715

547	111	111	2.0028	0	0.0258	2.0286	10.7175	0	-2.5272	8.1903
548	111	111	1.996	0	0.0253	2.0213	9.8305	0	-2.4377	7.3928
549	114	111	1.9886	0	0.0228	2.0114	9.2332	0	-2.5572	6.6759
550	109	111	1.967	0	0.0193	1.9863	9.4402	0	-2.609	6.8312
551	106	110	1.9549	0	0.0202	1.9751	9.795	0	-2.6519	7.1431
552	108	110	1.9287	0	0.0202	1.9489	9.8074	0	-2.6204	7.187
553	111	110	1.9155	0	0.0171	1.9326	9.6731	0	-2.4933	7.1798
554	107	110	1.912	0	0.0101	1.9222	9.4905	0	-2.4272	7.0632
555	107	109	1.9077	0	0.0117	1.9193	9.4044	0	-2.3512	7.0532
556	107	109	1.8964	0	0.0142	1.9106	9.288	0	-2.2422	7.0458
557	111	109	1.8891	0	0.0136	1.9027	9.4336	0	-2.2405	7.1931
558	114	108	1.8855	0	0.0103	1.8957	8.9783	0	-2.0716	6.9067
559	111	108	1.8818	0	0.0035	1.8853	8.7267	0	-2.0249	6.7017
560	109	107	1.8777	0	-0.0041	1.8736	8.7425	0	-1.9564	6.7861
561	111	107	1.8651	0	-0.0079	1.8572	8.7088	0	-1.8503	6.8585
562	108	107	1.8674	0	-0.0281	1.8393	8.5902	0	-1.6891	6.901
563	102	107	1.8615	0	-0.0378	1.8237	8.574	0	-1.5185	7.0554
564	109	107	1.8409	0	-0.0507	1.7901	8.5857	0	-1.377	7.2086
565	103	107	1.8417	0	-0.0607	1.781	8.6099	0	-1.3025	7.3073
566	108	107	1.8436	0	-0.0639	1.7797	8.5283	0	-1.2392	7.2891
567	105	106	1.8356	0	-0.0638	1.7718	8.5994	0	-1.155	7.4444
568	101	106	1.7948	0	-0.0513	1.7435	8.5093	0	-1.1278	7.3815
569	103	105	1.7664	0	-0.0523	1.7141	8.4021	0	-1.1251	7.2771
570	104	104	1.7723	0	-0.0642	1.7082	8.3604	0	-1.1157	7.2447
571	105	103	1.7636	0	-0.0535	1.7101	8.292	0	-1.1359	7.1561
572	105	103	1.7329	0	-0.0372	1.6957	8.223	0	-1.2674	6.9556
573	105	103	1.7632	0	-0.0599	1.7033	8.1983	0	-1.3762	6.8221
574	110	102	1.766	0	-0.0604	1.7056	8.0807	0	-1.3815	6.6992
575	107	102	1.776	0	-0.0622	1.7138	8.001	0	-1.4748	6.5262
576	105	101	1.7775	0	-0.0611	1.7164	8.0761	0	-1.5621	6.514
577	98.6	101	1.7734	0	-0.0588	1.7147	8.1202	0	-1.6001	6.52
578	96.4	100	1.7685	0	-0.0585	1.71	7.9674	0	-1.7545	6.2129
579	96.7	99.9	1.7596	0	-0.0575	1.7021	7.8561	0	-1.7711	6.0851
580	97	99.3	1.749	0	-0.0591	1.69	7.9358	0	-1.933	6.0028
581	96.1	98.7	1.7394	0	-0.0563	1.6831	8.0675	0	-1.9945	6.073
582	96.7	98	1.7095	0	-0.0374	1.6722	8.2517	0	-2.1811	6.0706
583	99	97.3	1.6634	0	-0.0219	1.6415	8.354	0	-2.2742	6.0798

584	95.7	96.3	1.6647	0	-0.0478	1.6169	8.3829	0	-2.3523	6.0306
585	95	95.6	1.6632	0	-0.0592	1.604	8.4087	0	-2.3971	6.0116
586	96.5	94.8	1.5975	0	-0.0554	1.5421	8.3847	0	-2.3517	6.033
587	95	94.4	1.6026	0	0.0088	1.6114	8.2682	0	-2.3087	5.9595
588	94.9	93.8	1.6011	0	0.013	1.6142	8.1013	0	-2.2294	5.872
589	93.1	93.3	1.6027	0	0.0291	1.6318	8.0353	0	-2.1841	5.8512
590	92.4	92.8	1.6014	0	0.0306	1.632	7.8824	0	-2.1937	5.6887
591	91.9	92.5	1.6023	0	0.0185	1.6208	7.6967	0	-2.255	5.4417
592	91.3	92.1	1.5996	0	0.0113	1.6109	7.6954	0	-2.2696	5.4258
593	91.8	91.5	1.5905	0	0.0129	1.6034	7.5066	0	-2.2231	5.2835
594	93.1	90.9	1.5523	0	0.0123	1.5646	7.4635	0	-2.2469	5.2166
595	89.9	90.3	1.4375	0	0.0579	1.4954	7.4351	0	-2.2211	5.214
596	90.5	89.4	1.4239	0	0.2352	1.659	7.4413	0	-2.2722	5.1691
597	85.7	88.4	1.4144	0	0.2185	1.633	7.4546	0	-2.3301	5.1244
598	87.2	87.4	1.4104	0	0.2247	1.6351	7.4401	0	-2.3373	5.1028
599	87.9	86.5	1.4065	0	0.2254	1.6319	7.4147	0	-2.3622	5.0525
600	89.7	85.8	1.4012	0	0.225	1.6262	7.3741	0	-2.3978	4.9763
601	89.3	85	1.3955	0	0.2229	1.6184	7.1835	0	-2.4054	4.7781
602	87.5	84.1	1.3926	0	0.2221	1.6146	7.0828	0	-2.3586	4.7242
603	85.4	83.3	1.3885	0	0.2214	1.6099	6.8484	0	-2.3612	4.4872
604	82.4	82.3	1.3838	0	0.2202	1.6039	6.7734	0	-2.4024	4.3711
605	78.9	81.4	1.3831	0	0.2206	1.6037	6.8016	0	-2.5045	4.2971
606	76.3	80.4	1.3813	0	0.2198	1.6011	6.7615	0	-2.4837	4.2778
607	77	79.6	1.3802	0	0.213	1.5932	6.6275	0	-2.4399	4.1876
608	75.7	78.7	1.3807	0	0.2138	1.5945	6.5589	0	-2.4248	4.1341
609	78.9	77.7	1.3811	0	0.2096	1.5906	6.5538	0	-2.4738	4.08
610	76.2	76.8	1.3779	0	0.2066	1.5846	6.5324	0	-2.5613	3.9712
611	74	75.6	1.3751	0	0.203	1.5782	6.502	0	-2.6521	3.8499
612	76.6	74.6	1.3726	0	0.1989	1.5715	6.4129	0	-2.7093	3.7036
613	75.6	73.7	1.3689	0	0.1967	1.5656	6.4956	0	-2.9164	3.5792
614	72.5	73	1.366	0	0.1952	1.5612	6.4839	0	-3.0093	3.4747
615	70.8	72.5	1.3618	0	0.1955	1.5573	6.3078	0	-3.1684	3.1394
616	70.1	72.3	1.3552	0	0.1979	1.553	6.3604	0	-3.2344	3.126
617	69.8	71.9	1.3507	0	0.1981	1.5489	6.3829	0	-3.2776	3.1053
618	70	71.6	1.3483	0	0.1968	1.5451	6.3223	0	-3.284	3.0383
619	71.4	71.1	1.3461	0	0.1967	1.5428	5.9235	0	-3.1568	2.7666
620	68.1	70.6	1.3439	0	0.2003	1.5442	5.6764	0	-3.1503	2.5261

621	67.3	70.3	1.3431	0	0.2065	1.5496	5.7606	0	-3.2822	2.4784
622	68.9	70.1	1.3358	0	0.2116	1.5474	5.7015	0	-3.1842	2.5173
623	69	69.7	1.3319	0	0.2096	1.5416	5.4233	0	-3.0241	2.3992
624	70.3	69.6	1.3288	0	0.2131	1.5418	5.748	0	-3.2566	2.4914
625	70.7	69.3	1.3244	0	0.2163	1.5407	5.787	0	-3.2624	2.5246
626	69.9	69	1.3196	0	0.2179	1.5375	5.8873	0	-3.2725	2.6148
627	69.7	68.7	1.3158	0	0.2212	1.537	5.9113	0	-3.2459	2.6654
628	69.4	68.3	1.3135	0	0.2259	1.5394	5.881	0	-3.2196	2.6613
629	67.5	67.9	1.3116	0	0.23	1.5415	5.8366	0	-3.184	2.6526
630	68.7	67.6	1.307	0	0.2361	1.5431	5.7517	0	-3.1741	2.5776
631	71.4	67.4	1.3012	0	0.237	1.5382	5.6456	0	-3.1417	2.5039
632	69.5	67.1	1.2985	0	0.2383	1.5368	5.5327	0	-3.1144	2.4183
633	69.8	66.7	1.2973	0	0.2419	1.5392	5.2582	0	-2.9516	2.3067
634	65.9	66.2	1.2921	0	0.2499	1.542	4.8197	0	-2.8077	2.012
635	63.9	65.7	1.2884	0	0.2523	1.5407	4.8548	0	-3.0805	1.7744
636	63.5	65	1.2868	0	0.252	1.5388	4.8669	0	-3.2142	1.6527
637	63	64.3	1.2846	0	0.2503	1.5349	4.2182	0	-3.1655	1.0527
638	62.9	63.6	1.2823	0	0.2483	1.5306	4.2818	0	-2.513	1.7688
639	63.5	63.1	1.2797	0	0.2499	1.5296	4.2839	0	-2.4784	1.8055
640	63.3	62.4	1.2748	0	0.2554	1.5302	4.3115	0	-2.3199	1.9916
641	62.4	61.6	1.2703	0	0.258	1.5283	4.3251	0	-2.2704	2.0547
642	62.3	60.8	1.2691	0	0.2558	1.5249	4.3255	0	-2.3594	1.9661
643	60.7	60	1.2626	0	0.2621	1.5247	4.3048	0	-2.3777	1.9271
644	61	59.3	1.2628	0	0.2593	1.5221	4.2243	0	-2.3155	1.9088
645	56.6	58.7	1.264	0	0.2583	1.5222	3.902	0	-2.3385	1.5634
646	57.3	58	1.2628	0	0.259	1.5218	2.8241	0	-1.9283	0.8958
647	56	57.6	1.2588	0	0.2595	1.5183	2.6949	0	-0.1681	2.5269
648	56.5	57	1.2545	0	0.2615	1.516	2.6005	0	-0.3368	2.2637
649	56.3	56.3	1.2512	0	0.2626	1.5138	2.5891	0	-0.2819	2.3072
650	55.3	55.7	1.2486	0	0.2599	1.5085	2.5698	0	-0.2861	2.2838
651	55.5	55.2	1.2466	0	0.2561	1.5027	2.5376	0	-0.2921	2.2455
652	54.4	54.6	1.2439	0	0.2563	1.5002	2.502	0	-0.3441	2.158
653	53.1	54.1	1.2382	0	0.2573	1.4955	2.4898	0	-0.3418	2.1479
654	52.5	53.4	1.2319	0	0.2606	1.4925	2.437	0	-0.3365	2.1004
655	50.5	53.1	1.2315	0	0.26	1.4915	2.3844	0	-0.3417	2.0427
656	54.3	52.6	1.2337	0	0.2582	1.4918	2.3896	0	-0.3474	2.0423
657	51.4	52.2	1.2332	0	0.2561	1.4893	2.383	0	-0.3607	2.0223

658	51.3	51.8	1.2301	0	0.2577	1.4877	2.3757	0	-0.4036	1.9722
659	51.6	51.3	1.2285	0	0.2596	1.4882	2.3874	0	-0.3643	2.0232
660	51.8	50.7	1.2275	0	0.2611	1.4887	2.4061	0	-0.4202	1.9859
661	51.7	50	1.2238	0	0.263	1.4868	2.3841	0	-0.4552	1.929
662	50.5	49.4	1.2179	0	0.2635	1.4814	2.369	0	-0.4965	1.8726
663	49.1	48.8	1.2131	0	0.2631	1.4762	2.3475	0	-0.4812	1.8663
664	49.3	48.3	1.2101	0	0.2661	1.4762	2.3322	0	-0.4759	1.8563
665	49.1	47.8	1.2057	0	0.2627	1.4684	2.3169	0	-0.4864	1.8305
666	47.9	47.1	1.2053	0	0.2638	1.4692	2.2794	0	-0.4909	1.7885
667	48.8	46.6	1.2034	0	0.2646	1.468	2.2346	0	-0.4483	1.7863
668	46.3	46.1	1.2024	0	0.2644	1.4668	2.2345	0	-0.4271	1.8075
669	44.6	45.6	1.1988	0	0.2627	1.4615	2.2544	0	-0.4403	1.8142
670	42.5	45.1	1.1963	0	0.2641	1.4603	2.2612	0	-0.4499	1.8113
671	42.1	44.5	1.1934	0	0.2649	1.4583	2.2525	0	-0.4344	1.8181
672	42.5	44	1.1906	0	0.2652	1.4558	2.2466	0	-0.3572	1.8894
673	42	43.7	1.1884	0	0.2657	1.4541	2.1873	0	-0.3186	1.8687
674	41.2	43.3	1.1873	0	0.2659	1.4532	2.1717	0	-0.361	1.8107
675	41.3	43	1.1872	0	0.265	1.4523	2.1612	0	-0.2773	1.8839
676	41.9	42.6	1.1863	0	0.2635	1.4498	2.1431	0	-0.2362	1.9069
677	41.2	42.1	1.1853	0	0.2632	1.4485	2.1044	0	-0.2082	1.8962
678	43.2	41.9	1.1848	0	0.2599	1.4447	2.0884	0	-0.1672	1.9212
679	41.7	41.8	1.1844	0	0.2599	1.4443	2.0817	0	-0.1551	1.9267
680	40.3	41.7	1.1845	0	0.2551	1.4396	2.0828	0	-0.1498	1.933
681	42	41.6	1.1862	0	0.2551	1.4413	2.0573	0	-0.0929	1.9644
682	41.8	41.5	1.1837	0	0.2578	1.4415	1.9995	0	-0.0833	1.9162
683	42.7	41.4	1.1814	0	0.2588	1.4403	1.9883	0	-0.0671	1.9212
684	42.8	41.3	1.1792	0	0.2602	1.4395	1.9957	0	-0.0225	1.9731
685	40.7	41.2	1.1765	0	0.2622	1.4387	1.9526	0	0.053	2.0056
686	39.9	41.1	1.1757	0	0.2612	1.4368	1.9215	0	0.0776	1.9991
687	41.6	41	1.1744	0	0.2601	1.4345	1.9344	0	0.0392	1.9737
688	42.8	40.8	1.1728	0	0.2609	1.4336	1.9566	0	0.0559	2.0126
689	41.6	40.6	1.1715	0	0.2611	1.4326	1.9637	0	0.0394	2.0032
690	39.3	40.4	1.1689	0	0.2577	1.4266	1.9498	0	0.0634	2.0132
691	39.7	40.2	1.1697	0	0.2544	1.4242	1.9055	0	0.1263	2.0318
692	40.1	39.9	1.1691	0	0.2491	1.4182	1.8729	0	0.1293	2.0023
693	39.7	39.6	1.1681	0	0.2445	1.4125	1.8818	0	0.09	1.9718
694	39.5	39.4	1.1621	0	0.2462	1.4083	1.8353	0	0.179	2.0144

695	39.9	39.3	1.1551	0	0.2507	1.4058	1.8505	0	0.1418	1.9923
696	40.1	39.2	1.1544	0	0.252	1.4064	1.8744	0	0.1818	2.0562
697	39.4	38.9	1.1544	0	0.2522	1.4066	1.876	0	0.1691	2.0451
698	38.4	38.6	1.1515	0	0.2529	1.4044	1.8541	0	0.1912	2.0454
699	36.5	38.4	1.1495	0	0.254	1.4035	1.8236	0	0.222	2.0455
700	37.1	38.2	1.1474	0	0.2542	1.4016	1.8051	0	0.1896	1.9947
701	36.6	38	1.1453	0	0.2573	1.4026	1.777	0	0.1709	1.9479
702	37.4	37.9	1.1436	0	0.2562	1.3999	1.7653	0	0.1716	1.9369
703	38.1	37.7	1.1448	0	0.255	1.3998	1.7659	0	0.2027	1.9686
704	38.3	37.6	1.1453	0	0.2543	1.3997	1.7317	0	0.2219	1.9536
705	37.8	37.4	1.1441	0	0.2553	1.3995	1.6847	0	0.2667	1.9514
706	37.2	37.2	1.143	0	0.2559	1.3989	1.7049	0	0.3335	2.0383
707	36.9	37.1	1.1427	0	0.2533	1.396	1.7248	0	0.3091	2.0339
708	36.8	37	1.142	0	0.2502	1.3922	1.72	0	0.2701	1.9901
709	36.2	37	1.1405	0	0.2516	1.392	1.6906	0	0.282	1.9726
710	36.1	36.9	1.1395	0	0.2521	1.3917	1.6907	0	0.2923	1.983
711	37.5	36.9	1.1382	0	0.2527	1.3909	1.6938	0	0.3073	2.0011
712	37.3	36.8	1.1378	0	0.2471	1.3849	1.6602	0	0.326	1.9862
713	36.8	36.8	1.1356	0	0.2443	1.3799	1.6193	0	0.3331	1.9524
714	36.5	36.6	1.1343	0	0.2438	1.3781	1.6065	0	0.3302	1.9367
715	36	36.5	1.1339	0	0.2446	1.3785	1.599	0	0.3522	1.9512
716	36.5	36.5	1.1317	0	0.2427	1.3744	1.5593	0	0.2993	1.8586
717	36.6	36.5	1.1273	0	0.2408	1.3681	1.5689	0	0.2854	1.8544
718	36.5	36.4	1.1228	0	0.2409	1.3637	1.5483	0	0.2905	1.8388
719	36.7	36.4	1.12	0	0.2417	1.3617	1.5574	0	0.3425	1.8998
720	35.5	36.3	1.1186	0	0.2438	1.3624	1.5305	0	0.3261	1.8566
721	36	36.1	1.1184	0	0.2423	1.3607	1.5304	0	0.3422	1.8725
722	37.2	36	1.1171	0	0.2434	1.3605	1.5257	0	0.3363	1.862
723	35.3	35.9	1.1148	0	0.2457	1.3605	1.5202	0	0.3374	1.8575
724	35.2	35.8	1.1127	0	0.2408	1.3535	1.5135	0	0.3274	1.8409
725	37	35.7	1.1101	0	0.2399	1.35	1.5115	0	0.3375	1.849
726	37.6	35.6	1.1091	0	0.2387	1.3478	1.5288	0	0.3691	1.8979
727	35.9	35.5	1.1069	0	0.2379	1.3449	1.5497	0	0.3703	1.92
728	35	35.4	1.1053	0	0.2414	1.3468	1.5683	0	0.3592	1.9275
729	34.6	35.3	1.1033	0	0.245	1.3482	1.592	0	0.3129	1.9049
730	34	35.2	1.1013	0	0.2454	1.3467	1.6052	0	0.3178	1.923
731	34.5	35.1	1.1012	0	0.2453	1.3466	1.6385	0	0.2605	1.8991

732	35.7	35	1.0997	0	0.245	1.3447	1.6543	0	0.2379	1.8922
733	35.1	35	1.0977	0	0.2441	1.3419	1.629	0	0.229	1.858
734	33.7	35	1.0968	0	0.2446	1.3414	1.605	0	0.2267	1.8317
735	33.7	35	1.0962	0	0.2445	1.3408	1.6076	0	0.2433	1.8509
736	35.2	35	1.0934	0	0.2481	1.3414	1.6072	0	0.2594	1.8666
737	34.8	34.9	1.0889	0	0.2447	1.3337	1.6118	0	0.2345	1.8462
738	34.1	35	1.0859	0	0.2444	1.3303	1.615	0	0.2137	1.8288
739	34	35	1.0847	0	0.2436	1.3283	1.6184	0	0.2397	1.8581
740	34	35.1	1.0842	0	0.2428	1.327	1.6072	0	0.2971	1.9043
741	34.7	35.2	1.083	0	0.2451	1.3281	1.6096	0	0.2877	1.8973
742	36	35.1	1.0809	0	0.2468	1.3277	1.6385	0	0.2572	1.8957
743	36	35.1	1.0791	0	0.2442	1.3233	1.6453	0	0.2048	1.85
744	35.6	35.2	1.0777	0	0.2451	1.3229	1.6556	0	0.2052	1.8609
745	37.3	35.2	1.0766	0	0.2401	1.3166	1.6159	0	0.2734	1.8893
746	35.1	35.1	1.0752	0	0.2421	1.3173	1.5653	0	0.3487	1.914
747	36.4	35	1.0734	0	0.2404	1.3137	1.5711	0	0.3784	1.9495
748	35.2	35	1.0722	0	0.2393	1.3115	1.5771	0	0.3722	1.9493
749	36.5	35	1.0707	0	0.2437	1.3143	1.5575	0	0.3593	1.9168
750	35.5	35	1.0709	0	0.2428	1.3137	1.554	0	0.3685	1.9225
751	34.2	34.9	1.0701	0	0.2389	1.309	1.5493	0	0.3353	1.8845
752	34.6	34.8	1.0673	0	0.236	1.3033	1.5377	0	0.3295	1.8672
753	34.9	34.6	1.065	0	0.2351	1.3001	1.516	0	0.3005	1.8166
754	34.1	34.5	1.0634	0	0.2339	1.2973	1.5469	0	0.2547	1.8016
755	33.7	34.4	1.061	0	0.2267	1.2877	1.5526	0	0.273	1.8256
756	33.8	34.4	1.0612	0	0.2273	1.2885	1.5419	0	0.2658	1.8077
757	34	34.3	1.0612	0	0.2291	1.2903	1.5378	0	0.2509	1.7887
758	33.9	34.2	1.061	0	0.2295	1.2905	1.5493	0	0.2132	1.7625
759	33.1	34.2	1.0595	0	0.2304	1.2898	1.551	0	0.1667	1.7177
760	33.7	34.2	1.0582	0	0.2304	1.2885	1.549	0	0.1855	1.7345
761	33.5	34.2	1.0578	0	0.2304	1.2882	1.5645	0	0.2205	1.7849
762	33	34.3	1.0559	0	0.2302	1.2861	1.5657	0	0.2478	1.8135
763	33.3	34.3	1.0525	0	0.2301	1.2826	1.5676	0	0.2411	1.8087
764	34.7	34.3	1.0502	0	0.2309	1.2811	1.5724	0	0.2013	1.7736
765	36	34.3	1.0497	0	0.2328	1.2825	1.5791	0	0.1438	1.7229
766	34.6	34.4	1.0485	0	0.2353	1.2837	1.5835	0	0.1457	1.7293
767	33.7	34.4	1.0485	0	0.2356	1.2841	1.5769	0	0.1208	1.6976
768	35.7	34.4	1.0467	0	0.2301	1.2768	1.5535	0	0.0997	1.6531

769	35.3	34.4	1.0457	0	0.2301	1.2758	1.5293	0	0.0953	1.6247
770	34.8	34.4	1.0432	0	0.2299	1.2731	1.5211	0	0.0989	1.6201
771	35.8	34.6	1.0408	0	0.2313	1.2721	1.5333	0	0.1049	1.6382
772	34.5	34.7	1.0385	0	0.2315	1.27	1.5611	0	0.1112	1.6723
773	34.3	34.8	1.0371	0	0.233	1.27	1.5657	0	0.2098	1.7755
774	34.9	34.8	1.0361	0	0.2321	1.2683	1.5495	0	0.2672	1.8167
775	34.7	34.8	1.0344	0	0.2281	1.2625	1.5472	0	0.204	1.7512
776	34.1	34.8	1.0313	0	0.2265	1.2578	1.5368	0	0.1974	1.7342
777	33.4	34.9	1.0285	0	0.2273	1.2558	1.5265	0	0.2294	1.7559
778	33.5	34.9	1.0256	0	0.2286	1.2542	1.5019	0	0.2395	1.7413
779	34.7	34.8	1.0239	0	0.2281	1.252	1.4997	0	0.2484	1.7482
780	36.1	34.8	1.0206	0	0.229	1.2497	1.4935	0	0.2656	1.7592
781	35	34.6	1.0207	0	0.2313	1.252	1.4852	0	0.2756	1.7608
782	34.5	34.7	1.0208	0	0.2349	1.2557	1.492	0	0.2857	1.7777
783	35.1	34.8	1.0209	0	0.2362	1.2571	1.4763	0	0.2825	1.7588
784	36	34.8	1.0185	0	0.2359	1.2544	1.4563	0	0.2756	1.732
785	35.4	34.7	1.0158	0	0.2363	1.252	1.4554	0	0.2939	1.7493
786	35	34.7	1.0145	0	0.2377	1.2522	1.4389	0	0.2808	1.7196
787	35.2	34.7	1.0129	0	0.2388	1.2517	1.4237	0	0.2938	1.7175
788	33.8	34.7	1.0109	0	0.2369	1.2478	1.3858	0	0.2548	1.6406
789	34.2	34.6	1.0108	0	0.2314	1.2422	1.3758	0	0.2968	1.6726
790	33.3	34.4	1.008	0	0.2289	1.2368	1.386	0	0.2922	1.6782
791	35.8	34.2	1.0059	0	0.2287	1.2346	1.3838	0	0.2767	1.6605
792	36.8	34.1	1.0046	0	0.2286	1.2332	1.3767	0	0.3132	1.6898
793	34.6	34	1.0025	0	0.2239	1.2264	1.3777	0	0.333	1.7107
794	33.1	33.8	1.0005	0	0.2188	1.2194	1.3708	0	0.3084	1.6793
795	33.7	33.6	0.9986	0	0.2159	1.2144	1.3661	0	0.3394	1.7055
796	34.1	33.5	0.9973	0	0.2141	1.2114	1.96	0	-0.0477	1.9123
797	32.9	33.2	0.9967	0	0.215	1.2117	3.9674	0	-1.2306	2.7368
798	32.3	33.1	0.9958	0	0.2169	1.2127	3.9392	0	-1.1027	2.8365
799	33.2	33.1	0.9941	0	0.2172	1.2113	3.9002	0	-1.0824	2.8178
800	31.6	33.1	0.9925	0	0.2207	1.2131	3.8906	0	-1.0442	2.8464
801	31.2	33	0.9915	0	0.2244	1.2159	3.899	0	-1.0397	2.8593
802	33.2	32.8	0.992	0	0.2262	1.2182	3.8923	0	-1.061	2.8312
803	31.7	32.9	0.9901	0	0.2296	1.2197	3.8673	0	-1.0706	2.7967
804	32.7	32.9	0.9901	0	0.227	1.2171	3.843	0	-1.0586	2.7844
805	32.1	32.8	0.99	0	0.2287	1.2187	3.8249	0	-1.0579	2.767

806	31.1	32.8	0.9892	0	0.2308	1.22	3.8026	0	-1.1286	2.674
807	32	32.9	0.9877	0	0.232	1.2197	3.8048	0	-1.1199	2.6849
808	33	32.9	0.9869	0	0.2335	1.2204	3.8047	0	-1.1038	2.7009
809	33.1	33	0.9856	0	0.233	1.2186	3.808	0	-1.1045	2.7036
810	33.4	33.2	0.9831	0	0.2301	1.2132	3.8058	0	-1.1284	2.6775
811	34.4	33.4	0.9817	0	0.2279	1.2096	3.7978	0	-1.1023	2.6955
812	36.1	33.5	0.9811	0	0.223	1.204	3.7995	0	-1.0735	2.7259
813	33	33.6	0.9784	0	0.2242	1.2026	3.7901	0	-1.0682	2.7219
814	32.8	33.6	0.9764	0	0.2294	1.2058	3.7664	0	-1.065	2.7014
815	33.6	33.7	0.9755	0	0.23	1.2056	3.7539	0	-1.0478	2.7061
816	34.4	33.9	0.974	0	0.2306	1.2046	3.7582	0	-1.0196	2.7386
817	33.1	34.1	0.972	0	0.2309	1.2028	3.7536	0	-0.9932	2.7603
818	34.5	34.2	0.9699	0	0.2313	1.2012	3.7732	0	-1.0042	2.769
819	35.8	34.2	0.9679	0	0.2318	1.1997	3.7673	0	-1.0881	2.6792
820	35.4	34.2	0.9653	0	0.2333	1.1985	3.7614	0	-1.08	2.6814
821	34.3	34.2	0.9623	0	0.2311	1.1934	3.7474	0	-1.0805	2.6669
822	32.9	34.1	0.9605	0	0.2225	1.1829	3.7205	0	-1.0616	2.6589
823	33.2	34.1	0.9598	0	0.219	1.1788	3.696	0	-1.0637	2.6323
824	34.8	34.2	0.9579	0	0.2204	1.1783	3.6741	0	-1.0227	2.6514
825	34.8	34.2	0.9564	0	0.2202	1.1766	5.0704	0	-2.1294	2.9411
826	34.8	34.2	0.9565	0	0.2158	1.1722	7.1984	0	-3.8618	3.3366
827	34.9	34.2	0.9567	0	0.214	1.1707	5.0851	0	-2.1046	2.9805
828	33.5	34	0.9554	0	0.2166	1.1719	5.1695	0	-2.2217	2.9478
829	34.3	33.8	0.9539	0	0.2184	1.1723	5.1611	0	-2.2324	2.9287
830	34.5	33.6	0.9528	0	0.2178	1.1706	5.1701	0	-2.2676	2.9025
831	33.4	33.5	0.952	0	0.2168	1.1688	5.1513	0	-2.273	2.8783
832	33.2	33.4	0.9521	0	0.2168	1.1688	5.1627	0	-2.2614	2.9013
833	34.3	33.2	0.9521	0	0.2166	1.1687	5.1738	0	-2.248	2.9258
834	34.7	33	0.9513	0	0.2152	1.1665	5.1795	0	-2.2692	2.9103
835	33.9	32.7	0.9524	0	0.2164	1.1688	5.1553	0	-2.2962	2.8591
836	32.6	32.5	0.951	0	0.2187	1.1697	5.131	0	-2.2812	2.8498
837	31	32.2	0.9504	0	0.2192	1.1696	5.0844	0	-2.2324	2.852
838	31.7	32	0.9483	0	0.2147	1.163	5.0907	0	-2.1909	2.8998
839	32.5	31.9	0.9461	0	0.2144	1.1605	5.0611	0	-2.1807	2.8804
840	31.7	31.7	0.9458	0	0.2151	1.161	5.05	0	-2.2193	2.8307
841	30.4	31.5	0.9453	0	0.2138	1.1591	5.0127	0	-2.2486	2.7641
842	30.5	31.5	0.9431	0	0.2135	1.1566	5.022	0	-2.261	2.761

843	30.5	31.3	0.942	0	0.2133	1.1553	4.9774	0	-2.2862	2.6912
844	29.4	31.1	0.9411	0	0.2112	1.1523	4.8531	0	-2.3433	2.5098
845	29.6	30.9	0.8805	0	0.2448	1.1254	4.7316	0	-2.3681	2.3635
846	30.9	30.8	0.6784	0	0.3651	1.0436	4.5927	0	-2.3824	2.2103
847	29.5	30.9	0.6794	0	0.3506	1.0301	4.5158	0	-2.3848	2.131
848	30.9	30.9	0.6822	0	0.3476	1.0297	4.4226	0	-2.3151	2.1075
849	31.3	30.8	0.6816	0	0.3481	1.0297	4.3602	0	-2.2634	2.0968
850	30.7	30.8	0.681	0	0.3467	1.0278	4.3036	0	-2.2361	2.0675
851	31.6	30.8	0.6808	0	0.345	1.0258	4.2944	0	-2.1971	2.0973
852	31.7	30.8	0.6806	0	0.3431	1.0237	4.3163	0	-2.173	2.1433
853	31	30.7	0.6807	0	0.341	1.0217	4.3598	0	-2.1637	2.1961
854	30.4	30.7	0.6809	0	0.3397	1.0206	4.3627	0	-2.124	2.2387
855	30.7	30.7	0.6808	0	0.3395	1.0203	4.3841	0	-2.1211	2.2629
856	32.2	30.5	0.6807	0	0.3392	1.02	4.4198	0	-2.0675	2.3523
857	31.9	30.4	0.6807	0	0.3394	1.0202	4.4281	0	-2.0025	2.4255
858	30.5	30.3	0.6802	0	0.3399	1.0201	4.5059	0	-1.8976	2.6084
859	30.7	30	0.6789	0	0.3432	1.0221	5.0475	0	-2.4602	2.5873
860	30.8	29.8	0.6784	0	0.3406	1.019	5.0136	0	-2.4581	2.5555
861	30.1	29.6	0.6779	0	0.3378	1.0156	4.964	0	-2.5078	2.4562
862	29.5	29.4	0.6769	0	0.337	1.0139	4.9304	0	-2.5448	2.3856
863	29.2	29.1	0.6759	0	0.3366	1.0124	4.9164	0	-2.5925	2.324
864	28.9	28.9	0.6748	0	0.3357	1.0105	4.889	0	-2.5768	2.3122
865	28.4	28.6	0.6739	0	0.3348	1.0087	4.8669	0	-2.5209	2.346
866	27.9	28.3	0.6731	0	0.3346	1.0077	4.853	0	-2.5141	2.3388
867	27.4	27.9	0.6712	0	0.336	1.0072	4.8278	0	-2.5174	2.3104
868	27.4	27.7	0.67	0	0.3389	1.0089	4.7649	0	-2.4819	2.283
869	26.8	27.5	0.6696	0	0.3381	1.0077	4.7371	0	-2.4172	2.32
870	27.4	27.1	0.6685	0	0.3379	1.0064	4.7144	0	-2.4148	2.2996
871	26.7	26.8	0.6688	0	0.3375	1.0062	4.6932	0	-2.4245	2.2687
872	26.2	26.5	0.6689	0	0.3378	1.0068	4.6698	0	-2.4567	2.2131
873	26.2	26.2	0.6697	0	0.3352	1.0049	4.6557	0	-2.5478	2.1079
874	25.9	25.9	0.5291	0	0.445	0.9742	4.6531	0	-2.5859	2.0673
875	25.8	25.6	0.3145	0	0.6143	0.9288	4.6455	0	-2.575	2.0705
876	25.2	25.4	0.5228	0	0.4369	0.9598	4.6425	0	-2.5777	2.0648
877	25.8	25.2	0.5116	0	0.4494	0.961	4.6461	0	-2.6211	2.0251
878	26.5	24.9	0.5095	0	0.4519	0.9614	4.6607	0	-2.642	2.0187
879	24.4	24.7	0.5069	0	0.4549	0.9618	4.6718	0	-2.6545	2.0173

880	23.8	24.5	0.5055	0	0.4563	0.9618	4.672	0	-2.6592	2.0128
881	23.9	24.4	0.5045	0	0.4574	0.9619	4.6826	0	-2.6666	2.0159
882	23.1	24.2	0.5034	0	0.4597	0.9631	4.7022	0	-2.7354	1.9667
883	22.6	24	0.503	0	0.4631	0.9661	4.7362	0	-2.7787	1.9575
884	23.4	23.8	0.503	0	0.4655	0.9685	4.7625	0	-2.794	1.9685
885	23.7	23.6	0.5027	0	0.4644	0.9671	4.7626	0	-2.811	1.9517
886	23.3	23.4	0.506	0	0.461	0.967	4.7756	0	-2.799	1.9767
887	22.8	23.2	0.5038	0	0.4579	0.9617	4.7704	0	-2.7747	1.9957
888	23.5	22.9	0.5048	0	0.455	0.9598	4.7771	0	-2.7686	2.0085
889	23.5	22.8	0.5058	0	0.4533	0.9591	4.7735	0	-2.8114	1.9621
890	23.7	22.6	0.5067	0	0.4537	0.9604	4.773	0	-2.8391	1.9339
891	23.2	22.3	0.5037	0	0.4548	0.9585	4.7985	0	-2.8572	1.9413
892	22.4	22.1	0.5068	0	0.4572	0.9641	4.8067	0	-2.8581	1.9487
893	21.9	21.9	0.5172	0	0.4583	0.9755	4.791	0	-2.8269	1.9641
894	21.7	21.7	0.5274	0	0.4557	0.983	4.7864	0	-2.8302	1.9562
895	21.7	21.4	0.5393	0	0.4541	0.9934	4.7838	0	-2.863	1.9208
896	21	21.1	0.5457	0	0.4526	0.9983	4.1813	0	-2.5342	1.6471
897	22.6	20.8	0.5544	0	0.4465	1.0009	2.1366	0	-1.3098	0.8267
898	20.8	20.4	0.5598	0	0.4433	1.003	2.1008	0	-1.4039	0.6969
899	20	20.1	0.5637	0	0.4408	1.0045	2.1571	0	-1.4662	0.6909
900	19.6	19.7	0.563	0	0.4404	1.0034	2.1945	0	-1.4991	0.6955
901	19.4	19.3	0.5599	0	0.4417	1.0016	2.1437	0	-1.4549	0.6888
902	18.8	19	0.556	0	0.4426	0.9986	2.1861	0	-1.4984	0.6876
903	18.3	18.7	0.5538	0	0.442	0.9958	2.2804	0	-1.5827	0.6976
904	18.5	18.4	0.5517	0	0.4392	0.9908	2.365	0	-1.6748	0.6902
905	18.1	18.1	0.548	0	0.4355	0.9835	2.4138	0	-1.7202	0.6936
906	16.3	17.9	0.5464	0	0.4311	0.9775	2.4038	0	-1.7022	0.7015
907	16.6	17.6	0.5371	0	0.4218	0.9589	2.3628	0	-1.6631	0.6997
908	17.3	17.5	0.4821	0	0.4796	0.9617	2.3562	0	-1.6455	0.7107
909	16.6	17.3	0.4842	0	0.4788	0.9631	2.4078	0	-1.6692	0.7386
910	15.8	17.3	0.4867	0	0.4809	0.9675	2.443	0	-1.664	0.779
911	16.5	17.1	0.4886	0	0.4824	0.971	2.4525	0	-1.738	0.7145
912	16.3	17.1	0.4894	0	0.4822	0.9716	2.4359	0	-1.7458	0.6901
913	16.1	17.1	0.4895	0	0.4819	0.9713	2.3801	0	-1.6489	0.7312
914	16.3	17.1	0.4897	0	0.4815	0.9712	2.3566	0	-1.6856	0.671
915	16.6	17	0.4902	0	0.4815	0.9717	2.3987	0	-1.7532	0.6455
916	17.3	17.1	0.4912	0	0.4824	0.9736	2.3984	0	-1.7547	0.6438

917	17.4	17.1	0.4955	0	0.4791	0.9745	2.3399	0	-1.7037	0.6362
918	18	17.1	0.4962	0	0.473	0.9692	2.2737	0	-1.6383	0.6354
919	18.2	17.1	0.4965	0	0.4732	0.9697	2.2345	0	-1.577	0.6575
920	16.8	17.1	0.496	0	0.4757	0.9717	2.2289	0	-1.5774	0.6515
921	17.6	17	0.4953	0	0.4768	0.9721	2.2119	0	-1.5301	0.6818
922	18.7	16.9	0.4949	0	0.4772	0.9722	2.2139	0	-1.547	0.667
923	18.3	16.8	0.4945	0	0.4776	0.9721	2.2234	0	-1.5519	0.6715
924	17.2	16.7	0.4934	0	0.4779	0.9713	2.1897	0	-1.5263	0.6634
925	17	16.6	0.4922	0	0.478	0.9701	0.7406	0	-0.3685	0.3721
926	17.4	16.5	0.4919	0	0.4779	0.9697	-1.45	0	1.3872	-0.0628
927	16.8	16.4	0.4907	0	0.4782	0.9689	0.6056	0	-0.3572	0.2484
928	16.1	16.2	0.4882	0	0.482	0.9702	0.5018	0	-0.2538	0.2479
929	16	16.1	0.4867	0	0.4843	0.971	0.4949	0	-0.2353	0.2597
930	15	15.9	0.4845	0	0.4845	0.969	0.4734	0	-0.211	0.2625
931	14.4	15.8	0.4818	0	0.4903	0.9721	0.5048	0	-0.258	0.2468
932	14.6	15.7	0.4784	0	0.4946	0.9731	0.4905	0	-0.246	0.2445
933	14.6	15.5	0.4758	0	0.496	0.9718	0.4857	0	-0.2479	0.2378
934	14.3	15.4	0.475	0	0.4963	0.9713	0.4982	0	-0.2296	0.2686
935	14.8	15.3	0.4748	0	0.4963	0.9711	0.5235	0	-0.2289	0.2946
936	15.4	15.3	0.474	0	0.4962	0.9701	0.5338	0	-0.268	0.2658
937	15	15.2	0.4727	0	0.4961	0.9688	0.5565	0	-0.2925	0.264
938	15.4	15.2	0.471	0	0.4959	0.9668	0.5483	0	-0.3325	0.2158
939	14.1	15.2	0.4688	0	0.4983	0.9671	0.5979	0	-0.3694	0.2285
940	15.3	15.2	0.466	0	0.5009	0.9668	0.5984	0	-0.3356	0.2628
941	16	15.2	0.4646	0	0.4996	0.9642	0.6035	0	-0.3105	0.293
942	15.2	15.3	0.464	0	0.4962	0.9602	0.5829	0	-0.3012	0.2817
943	14.8	15.3	0.4633	0	0.4964	0.9597	0.6215	0	-0.2913	0.3302
944	15.7	15.4	0.4627	0	0.4975	0.9603	0.7299	0	-0.2975	0.4324
945	16.4	15.4	0.4624	0	0.4983	0.9607	0.8431	0	-0.3273	0.5158
946	16.5	15.4	0.4648	0	0.4961	0.9609	0.957	0	-0.3376	0.6194
947	16.2	15.3	0.4694	0	0.491	0.9604	1.037	0	-0.3464	0.6906
948	14.7	15.2	0.4664	0	0.4942	0.9606	1.1277	0	-0.4272	0.7005
949	15.6	15.2	0.4622	0	0.498	0.9602	1.1888	0	-0.4802	0.7087
950	14.6	15.2	0.4667	0	0.4922	0.9589	1.2346	0	-0.5069	0.7276
951	16.2	15.1	0.4622	0	0.4948	0.9571	1.2289	0	-0.5384	0.6905
952	15.3	15.2	0.4525	0	0.5014	0.9539	1.2038	0	-0.5567	0.6471
953	15.1	15.2	0.4442	0	0.5084	0.9526	1.1779	0	-0.5567	0.6212

954	15	15.3	0.4395	0	0.5117	0.9513	1.1712	0	-0.5721	0.599
955	14.8	15.2	0.4404	0	0.5098	0.9502	1.1792	0	-0.5992	0.58
956	14.3	15.2	0.4444	0	0.5056	0.95	1.1602	0	-0.6333	0.5269
957	13.7	15.2	0.4451	0	0.504	0.9491	1.1533	0	-0.684	0.4693
958	14	15.3	0.4394	0	0.5068	0.9463	1.0751	0	-0.7843	0.2907
959	13.8	15.4	0.4346	0	0.5096	0.9442	0.538	0	-0.2199	0.3181
960	15.3	15.5	0.4331	0	0.5144	0.9475	0.5797	0	-0.24	0.3397
961	15.8	15.5	0.4343	0	0.5124	0.9466	0.6199	0	-0.2204	0.3995
962	16.5	15.5	0.4389	0	0.5019	0.9408	0.6489	0	-0.2048	0.4441
963	16	15.5	0.4402	0	0.5051	0.9453	0.6689	0	-0.2186	0.4502
964	15.4	15.5	0.4349	0	0.511	0.9459	0.6714	0	-0.2312	0.4403
965	15.4	15.6	0.4341	0	0.5102	0.9443	0.6921	0	-0.2582	0.4339
966	16.4	15.7	0.4391	0	0.505	0.9441	0.7217	0	-0.2744	0.4473
967	17.1	15.8	0.4438	0	0.4998	0.9437	0.762	0	-0.2909	0.4712
968	16.9	15.8	0.4465	0	0.4966	0.9432	0.8437	0	-0.3265	0.5172
969	17.2	15.9	0.4467	0	0.4958	0.9425	0.88	0	-0.3933	0.4867
970	16	15.9	0.4473	0	0.4909	0.9382	0.8872	0	-0.3989	0.4883
971	15.2	15.9	0.4474	0	0.4922	0.9396	0.8968	0	-0.3906	0.5062
972	15.2	15.9	0.4466	0	0.493	0.9396	0.931	0	-0.4059	0.5251
973	15.6	15.8	0.4507	0	0.4879	0.9385	0.964	0	-0.4195	0.5445
974	16	15.8	0.455	0	0.4819	0.9369	0.97	0	-0.4118	0.5582
975	16	15.8	0.4595	0	0.4756	0.9351	0.989	0	-0.4172	0.5718
976	15.7	15.7	0.4623	0	0.4726	0.9349	0.9785	0	-0.4117	0.5668
977	15.5	15.7	0.4614	0	0.4748	0.9362	0.9823	0	-0.4026	0.5796
978	15.1	15.6	0.46	0	0.4754	0.9354	0.9394	0	-0.3726	0.5669
979	15	15.5	0.4596	0	0.476	0.9356	0.898	0	-0.3202	0.5778
980	16	15.5	0.455	0	0.4821	0.9372	0.8823	0	-0.2928	0.5895
981	15.6	15.4	0.4554	0	0.482	0.9375	0.8713	0	-0.2975	0.5737
982	15	15.4	0.4548	0	0.4845	0.9393	0.8584	0	-0.2551	0.6032
983	14.9	15.4	0.4532	0	0.486	0.9392	0.8171	0	-0.2203	0.5968
984	15.1	15.3	0.4506	0	0.4884	0.939	0.7656	0	-0.205	0.5606
985	15.5	15.3	0.4493	0	0.4912	0.9405	0.779	0	-0.1999	0.5791
986	16.6	15.3	0.4504	0	0.4902	0.9406	0.7797	0	-0.1942	0.5855
987	15.3	15.2	0.449	0	0.4911	0.9401	0.77	0	-0.2043	0.5657
988	15.8	15.2	0.445	0	0.4919	0.9369	0.763	0	-0.2041	0.5589
989	14.8	15.3	0.446	0	0.4869	0.9328	0.7577	0	-0.2019	0.5558
990	14.6	15.2	0.4463	0	0.4848	0.9311	0.7426	0	-0.1654	0.5772

991	14.7	15.3	0.4454	0	0.4849	0.9303	0.7112	0	-0.1389	0.5723
992	14.6	15.3	0.4447	0	0.4864	0.931	0.6973	0	-0.1707	0.5266
993	14.7	15.3	0.4442	0	0.488	0.9322	0.709	0	-0.2057	0.5033
994	15.4	15.3	0.4431	0	0.4884	0.9314	0.7077	0	-0.2092	0.4985
995	15.6	15.3	0.4436	0	0.4879	0.9314	0.7402	0	-0.2291	0.5111
996	14.8	15.3	0.442	0	0.4872	0.9292	0.7518	0	-0.2328	0.5189
997	15.2	15.3	0.4417	0	0.4892	0.9309	0.8094	0	-0.2515	0.558
998	15.3	15.4	0.4409	0	0.4913	0.9322	0.8747	0	-0.3074	0.5673
999	15.7	15.4	0.4403	0	0.4915	0.9318	0.8592	0	-0.2968	0.5625
1000	16.2	15.5	0.4402	0	0.4942	0.9344	0.8381	0	-0.2776	0.5605
1001	15.9	15.5	0.4395	0	0.4973	0.9369	0.8905	0	-0.3276	0.5629
1002	15.2	15.6	0.4382	0	0.4982	0.9365	0.8232	0	-0.2852	0.538
1003	15.3	15.6	0.4367	0	0.4992	0.9359	0.7031	0	-0.2269	0.4762
1004	15.2	15.6	0.4337	0	0.4991	0.9328	0.6008	0	-0.1301	0.4707
1005	15.9	15.5	0.432	0	0.4988	0.9308	0.5228	0	-0.0496	0.4732
1006	16.3	15.5	0.431	0	0.4995	0.9305	0.5205	0	-0.0564	0.4641
1007	16.2	15.6	0.4296	0	0.5002	0.9298	0.555	0	-0.0975	0.4575
1008	16.3	15.6	0.4283	0	0.5015	0.9299	0.5266	0	-0.0949	0.4317
1009	15.5	15.6	0.4262	0	0.5028	0.9291	0.4249	0	-0.0336	0.3912
1010	15.2	15.6	0.4247	0	0.5029	0.9276	0.3577	0	0.0101	0.3678
1011	15.6	15.6	0.4237	0	0.5029	0.9266	0.3444	0	0.0583	0.4028
1012	15.2	15.7	0.4226	0	0.5041	0.9266	0.3398	0	0.0696	0.4094
1013	15.1	15.8	0.4224	0	0.505	0.9273	0.3505	0	0.0031	0.3536
1014	15	15.9	0.4205	0	0.5073	0.9278	0.3714	0	0.04	0.4114
1015	15.1	16	0.4181	0	0.5089	0.927	0.3304	0	0.0921	0.4225
1016	15.3	16	0.415	0	0.5115	0.9265	0.3351	0	0.0924	0.4275
1017	15.5	16.1	0.4111	0	0.5117	0.9228	0.4018	0	0.0467	0.4485
1018	15.9	16.2	0.4082	0	0.5124	0.9205	0.4729	0	-0.026	0.4469
1019	16	16.3	0.4077	0	0.5131	0.9209	0.5261	0	-0.0979	0.4282
1020	16.5	16.4	0.4063	0	0.5148	0.921	0.5553	0	-0.1325	0.4228
1021	17.2	16.5	0.4022	0	0.5174	0.9196	0.5964	0	-0.1916	0.4049
1022	17	16.7	0.3985	0	0.5192	0.9177	0.6483	0	-0.2025	0.4458
1023	17.4	16.8	0.3975	0	0.5188	0.9163	0.6833	0	-0.2279	0.4554
1024	16.9	17	0.3945	0	0.5196	0.9141	0.7138	0	-0.2749	0.4389
1025	17.6	17.1	0.3943	0	0.5191	0.9135	0.7722	0	-0.3463	0.4259
1026	17.9	17.2	0.3936	0	0.5181	0.9118	0.8245	0	-0.4115	0.413
1027	17.4	17.3	0.3967	0	0.5155	0.9122	0.8646	0	-0.4492	0.4154

1028	17.6	17.5	0.3984	0	0.5141	0.9124	0.8763	0	-0.4478	0.4285
1029	17.7	17.5	0.3985	0	0.5136	0.9121	0.8852	0	-0.4634	0.4218
1030	17.5	17.6	0.3974	0	0.5143	0.9116	0.9056	0	-0.4647	0.4409
1031	17.8	17.6	0.396	0	0.5158	0.9118	0.8593	0	-0.353	0.5062
1032	18.1	17.6	0.3967	0	0.5167	0.9134	0.8119	0	-0.3013	0.5106
1033	17.9	17.6	0.3993	0	0.5165	0.9158	0.8212	0	-0.2781	0.5431
1034	17.2	17.7	0.3971	0	0.5163	0.9134	0.7587	0	-0.2463	0.5123
1035	17.9	17.7	0.3968	0	0.5158	0.9126	0.6287	0	-0.1248	0.5039
1036	18.1	17.7	0.397	0	0.5166	0.9136	0.5219	0	0.0014	0.5233
1037	18.2	17.7	0.3964	0	0.5165	0.9129	0.4551	0	0.0715	0.5265
1038	17.6	17.7	0.3952	0	0.516	0.9113	0.3467	0	0.1983	0.5449
1039	17	17.7	0.3946	0	0.5148	0.9094	0.3179	0	0.2147	0.5325
1040	16.9	17.7	0.3949	0	0.5147	0.9096	0.3178	0	0.1808	0.4987
1041	17.3	17.7	0.3949	0	0.5166	0.9115	0.266	0	0.217	0.483
1042	18	17.6	0.3931	0	0.5168	0.9099	0.2532	0	0.2268	0.48
1043	18	17.6	0.3926	0	0.5173	0.9099	0.2238	0	0.2612	0.4849
1044	17.7	17.6	0.3887	0	0.5204	0.9091	0.1549	0	0.3424	0.4973
1045	18.1	17.6	0.3872	0	0.5215	0.9088	0.0468	0	0.461	0.5078
1046	17.4	17.6	0.3838	0	0.5213	0.9051	-0.0588	0	0.5832	0.5244
1047	17.5	17.5	0.3819	0	0.5218	0.9037	-0.156	0	0.6416	0.4856
1048	18	17.5	0.3805	0	0.5239	0.9044	-0.1562	0	0.6924	0.5361
1049	17.9	17.6	0.3784	0	0.5257	0.9041	-0.1908	0	0.7413	0.5505
1050	17.4	17.6	0.3776	0	0.525	0.9026	-0.2368	0	0.7932	0.5564
1051	16.8	17.6	0.3799	0	0.5234	0.9033	-0.2975	0	0.8778	0.5803
1052	16.8	17.6	0.3822	0	0.5241	0.9063	-0.3296	0	0.9612	0.6316
1053	16.9	17.6	0.3841	0	0.5215	0.9056	-0.3733	0	1.0147	0.6414
1054	17.9	17.7	0.3873	0	0.5167	0.9039	-0.4306	0	1.0693	0.6387
1055	18.3	17.7	0.3883	0	0.5154	0.9037	-0.4894	0	1.1179	0.6285
1056	18	17.7	0.3889	0	0.5153	0.9042	-0.5261	0	1.1675	0.6414
1057	17.4	17.7	0.3924	0	0.5135	0.9059	-0.5681	0	1.2254	0.6573
1058	17.3	17.7	0.397	0	0.5102	0.9071	-0.602	0	1.2515	0.6496
1059	17.8	17.7	0.3988	0	0.5086	0.9074	-0.6498	0	1.2805	0.6307
1060	17.9	17.8	0.3987	0	0.5086	0.9073	-0.6643	0	1.3223	0.658
1061	17.3	17.8	0.4003	0	0.5054	0.9057	-0.6979	0	1.3735	0.6756
1062	17.8	17.9	0.4039	0	0.5016	0.9055	-0.705	0	1.3917	0.6867
1063	19.1	18.1	0.4031	0	0.5011	0.9042	-0.7085	0	1.4112	0.7027
1064	19	18.1	0.4019	0	0.5018	0.9037	-0.6966	0	1.4228	0.7263

1065	17.7	18.2	0.4006	0	0.501	0.9015	-0.7231	0	1.507	0.7839
1066	17.9	18.3	0.3989	0	0.5003	0.8992	-0.7844	0	1.6387	0.8544
1067	18.1	18.4	0.3965	0	0.5024	0.899	-0.8537	0	1.7014	0.8477
1068	17.8	18.4	0.3939	0	0.5064	0.9003	-1.1335	0	1.8916	0.7582
1069	17.7	18.4	0.3911	0	0.5091	0.9002	-1.1545	0	1.9189	0.7644
1070	18.4	18.4	0.3877	0	0.5101	0.8977	-1.183	0	1.9648	0.7818
1071	18.9	18.5	0.3826	0	0.5124	0.895	-1.2028	0	2.0217	0.8189
1072	19.3	18.5	0.3783	0	0.5158	0.8941	-1.2383	0	2.0389	0.8006
1073	19	18.5	0.3793	0	0.5154	0.8947	-1.2616	0	2.0315	0.7698
1074	19.9	18.5	0.3778	0	0.5165	0.8944	-1.2381	0	2.0052	0.7672
1075	19.6	18.6	0.3771	0	0.5167	0.8938	-1.2486	0	2.0124	0.7638
1076	18.9	18.7	0.3758	0	0.5176	0.8934	-1.2627	0	2.0242	0.7615
1077	18.2	18.8	0.3738	0	0.5196	0.8934	-1.2555	0	2.0028	0.7473
1078	17.8	18.8	0.3715	0	0.5217	0.8932	-1.2039	0	1.9529	0.7489
1079	18.1	18.9	0.369	0	0.5224	0.8915	-1.1954	0	1.9476	0.7523
1080	17.9	19	0.3691	0	0.5174	0.8865	-1.1661	0	1.9375	0.7713
1081	19.2	19.1	0.3742	0	0.5122	0.8864	-1.1894	0	1.9674	0.778
1082	18.8	19.1	0.3727	0	0.5123	0.885	-1.2034	0	2.0001	0.7967
1083	18.7	19.2	0.3773	0	0.5107	0.888	-1.1772	0	2.0058	0.8286
1084	19.5	19.2	0.3877	0	0.5009	0.8886	-1.1313	0	1.9718	0.8405
1085	19.8	19.2	0.3971	0	0.491	0.8882	-1.1313	0	1.9265	0.7951
1086	19.4	19.3	0.4049	0	0.4831	0.888	-1.1057	0	1.9038	0.7982
1087	19.1	19.5	0.4143	0	0.4713	0.8856	-1.085	0	1.9091	0.8241
1088	19.5	19.6	0.4132	0	0.4704	0.8837	-1.0806	0	1.9012	0.8206
1089	20.2	19.8	0.4142	0	0.4688	0.883	-1.0819	0	1.8874	0.8055
1090	19.8	19.9	0.4197	0	0.4631	0.8828	-1.1094	0	1.8953	0.7859
1091	20.1	20.1	0.4201	0	0.4622	0.8823	-1.1295	0	1.9203	0.7908
1092	20	20.3	0.4223	0	0.4602	0.8825	-1.1118	0	1.9233	0.8114
1093	19.9	20.5	0.4287	0	0.4538	0.8825	-1.1194	0	1.929	0.8096
1094	20.4	20.6	0.4384	0	0.4423	0.8807	-1.1205	0	1.943	0.8225
1095	21	20.7	0.4495	0	0.4295	0.879	-1.1404	0	1.9677	0.8273
1096	21.2	20.9	0.4576	0	0.4231	0.8807	-1.1252	0	1.9751	0.8499
1097	20.7	21.2	0.4573	0	0.42	0.8773	-1.0956	0	1.9262	0.8306
1098	20.8	21.4	0.46	0	0.4172	0.8771	-0.9791	0	1.784	0.8049
1099	20.9	21.4	0.464	0	0.4121	0.8761	-1.0046	0	1.832	0.8275
1100	21.6	21.5	0.4699	0	0.4064	0.8763	-1.0037	0	1.8269	0.8232
1101	22.1	21.6	0.4725	0	0.4012	0.8737	-1.0064	0	1.8507	0.8443

1102	22.6	21.8	0.4756	0	0.3968	0.8723	-0.9887	0	1.8335	0.8448
1103	22.5	21.9	0.4798	0	0.3923	0.872	-0.9652	0	1.8373	0.8721
1104	22.2	22	0.4827	0	0.3873	0.87	-0.9483	0	1.8282	0.8799
1105	23	22.1	0.4846	0	0.3821	0.8666	-0.9218	0	1.8003	0.8784
1106	24.1	22.1	0.4879	0	0.3769	0.8648	-0.8992	0	1.7837	0.8845
1107	22.8	22.3	0.4898	0	0.375	0.8649	-0.8763	0	1.7796	0.9033
1108	21.1	22.4	0.4933	0	0.3735	0.8668	-0.8084	0	1.7472	0.9388
1109	21.8	22.5	0.4927	0	0.3706	0.8633	-0.7911	0	1.7452	0.9541
1110	22.5	22.6	0.4945	0	0.3656	0.86	-0.7569	0	1.7265	0.9696
1111	22.2	22.6	0.4942	0	0.3637	0.8579	-0.7196	0	1.7088	0.9893
1112	22.7	22.7	0.4934	0	0.3629	0.8563	-0.6721	0	1.6567	0.9846
1113	22.9	22.7	0.492	0	0.3627	0.8547	-0.6243	0	1.6177	0.9934
1114	22.2	22.8	0.4928	0	0.3566	0.8494	-0.6292	0	1.6255	0.9963
1115	22.1	22.8	0.4965	0	0.345	0.8415	-0.6343	0	1.6342	0.9999
1116	23.7	22.8	0.5004	0	0.3413	0.8417	-0.6456	0	1.6212	0.9757
1117	22.4	22.9	0.5244	0	0.3225	0.847	-0.6736	0	1.6377	0.9641
1118	22.8	23	0.5236	0	0.3205	0.8441	-0.6833	0	1.6622	0.9788
1119	22.9	23.1	0.526	0	0.3166	0.8427	-0.6977	0	1.7029	1.0052
1120	23.4	23.2	0.5266	0	0.3126	0.8392	-0.7087	0	1.7318	1.0232
1121	23.2	23.3	0.5261	0	0.3135	0.8396	-0.7138	0	1.736	1.0222
1122	23	23.4	0.5247	0	0.316	0.8407	-0.7273	0	1.7437	1.0164
1123	23.8	23.5	0.5213	0	0.3183	0.8396	-0.7622	0	1.7825	1.0203
1124	24.4	23.6	0.5194	0	0.3184	0.8377	-0.75	0	1.8061	1.0561
1125	23.8	23.8	0.5206	0	0.3167	0.8373	-0.7648	0	1.8297	1.0649
1126	23.9	23.8	0.5192	0	0.3178	0.837	-0.7556	0	1.813	1.0573
1127	23.4	23.8	0.5171	0	0.3202	0.8373	-0.7455	0	1.8107	1.0652
1128	22.8	23.8	0.5179	0	0.3193	0.8372	-0.7527	0	1.8149	1.0622
1129	24.5	23.8	0.5151	0	0.3198	0.835	-0.7543	0	1.8174	1.0631
1130	24.2	23.7	0.5163	0	0.3175	0.8338	-0.7597	0	1.8139	1.0542
1131	24.4	23.7	0.5163	0	0.3158	0.8321	-0.7533	0	1.7682	1.0148
1132	24.9	23.7	0.5144	0	0.3161	0.8305	-0.6901	0	1.7357	1.0457
1133	24.9	23.7	0.5124	0	0.3193	0.8317	-0.6935	0	1.7534	1.0599
1134	24.9	23.8	0.5102	0	0.3237	0.8339	-0.6583	0	1.7575	1.0992
1135	24.6	23.8	0.5074	0	0.3254	0.8328	-0.564	0	1.6719	1.108
1136	22.3	23.9	0.5055	0	0.3257	0.8312	-0.4592	0	1.5812	1.122
1137	22.7	24	0.5044	0	0.3264	0.8308	-0.369	0	1.5039	1.1349
1138	22.4	24.1	0.5034	0	0.3273	0.8307	-0.2708	0	1.3779	1.1072

1139	21.6	24.1	0.5055	0	0.3253	0.8308	-0.2782	0	1.3611	1.0829
1140	23.1	24	0.5078	0	0.3227	0.8305	-0.2588	0	1.3499	1.091
1141	23.7	24	0.5061	0	0.3243	0.8304	-0.1982	0	1.3102	1.112
1142	24.7	23.9	0.5051	0	0.3239	0.8289	-0.1816	0	1.2871	1.1055
1143	25.2	23.9	0.5046	0	0.323	0.8276	-0.1368	0	1.2654	1.1286
1144	24.8	23.9	0.5028	0	0.3236	0.8264	-0.0726	0	1.2083	1.1357
1145	25.1	23.9	0.4998	0	0.324	0.8238	0.0394	0	1.0898	1.1291
1146	25.5	24	0.4934	0	0.3287	0.8221	0.1332	0	0.9655	1.0988
1147	24.9	24.1	0.4798	0	0.3434	0.8232	0.1903	0	0.9208	1.111
1148	24.1	24.2	0.481	0	0.3407	0.8216	0.1937	0	0.9135	1.1072
1149	22.8	24.3	0.4787	0	0.3431	0.8218	0.2079	0	0.905	1.113
1150	23.4	24.4	0.4782	0	0.3399	0.8182	0.2496	0	0.8858	1.1355
1151	24.4	24.4	0.4788	0	0.34	0.8188	0.3081	0	0.8476	1.1557
1152	24.5	24.3	0.4787	0	0.3403	0.8191	0.3382	0	0.7844	1.1225
1153	24.3	24.3	0.4789	0	0.3386	0.8176	0.3668	0	0.7577	1.1245
1154	24.5	24.2	0.4794	0	0.3366	0.8161	0.4137	0	0.736	1.1496
1155	24.2	24.1	0.4783	0	0.337	0.8153	0.4539	0	0.6909	1.1448
1156	24.6	24.1	0.4766	0	0.3373	0.8139	0.4823	0	0.6313	1.1136
1157	24.9	24.1	0.4733	0	0.3388	0.8121	0.5165	0	0.5853	1.1018
1158	23.9	24.1	0.4761	0	0.3357	0.8117	0.5286	0	0.574	1.1026
1159	23.9	24.1	0.4745	0	0.336	0.8105	0.5593	0	0.5671	1.1264
1160	23.5	24.2	0.4706	0	0.3377	0.8083	0.5585	0	0.5402	1.0986
1161	24.2	24.2	0.4675	0	0.3397	0.8072	0.5767	0	0.5012	1.0779
1162	24.2	24.2	0.4663	0	0.3398	0.8061	0.5735	0	0.5057	1.0792
1163	23.4	24.2	0.466	0	0.3386	0.8046	0.5715	0	0.489	1.0605
1164	23.3	24.2	0.4653	0	0.3384	0.8037	0.569	0	0.484	1.053
1165	24.2	24.2	0.4651	0	0.3389	0.804	0.5931	0	0.4187	1.0118
1166	25.3	24.2	0.4663	0	0.3365	0.8028	0.6631	0	0.2704	0.9335
1167	24.3	24.1	0.4649	0	0.3362	0.8011	0.7196	0	0.2006	0.9202
1168	23.6	24.2	0.4637	0	0.3361	0.7998	0.9396	0	0.0142	0.9539
1169	24	24.2	0.462	0	0.3359	0.7979	0.9351	0	0.0047	0.9398
1170	24.8	24.3	0.459	0	0.3365	0.7955	0.9736	0	-0.0166	0.957
1171	25	24.4	0.4553	0	0.338	0.7933	0.9805	0	-0.0334	0.9471
1172	24.3	24.4	0.4545	0	0.3376	0.792	1.0025	0	-0.0213	0.9812
1173	23.5	24.4	0.4543	0	0.3347	0.789	0.9473	0	0.0155	0.9628
1174	24.9	24.5	0.4543	0	0.3336	0.7879	0.9056	0	0.0648	0.9704
1175	23.9	24.5	0.4526	0	0.3354	0.7881	0.8845	0	0.0793	0.9638

1176	24	24.4	0.4504	0	0.3365	0.7869	0.9012	0	0.0541	0.9553
1177	24.9	24.4	0.449	0	0.3381	0.7871	0.8913	0	0.0635	0.9548
1178	24.6	24.5	0.4469	0	0.34	0.7869	0.8685	0	0.0977	0.9663
1179	25	24.5	0.445	0	0.3411	0.786	0.8787	0	0.0864	0.9651
1180	26.1	24.5	0.4444	0	0.3406	0.785	0.8568	0	0.0823	0.9391
1181	24.4	24.4	0.4432	0	0.3386	0.7818	0.8644	0	0.0755	0.9398
1182	24.2	24.4	0.4421	0	0.337	0.779	0.8869	0	0.0618	0.9487
1183	23.6	24.4	0.4431	0	0.3349	0.7781	0.8637	0	0.0699	0.9336
1184	24.2	24.4	0.4441	0	0.3337	0.7778	0.8561	0	0.1114	0.9675
1185	24.3	24.4	0.443	0	0.3329	0.776	0.8469	0	0.1631	1.01
1186	24.6	24.4	0.4418	0	0.3327	0.7745	0.8185	0	0.1845	1.0029
1187	24.5	24.4	0.4414	0	0.3335	0.7749	0.804	0	0.1874	0.9913
1188	24.4	24.5	0.4411	0	0.3343	0.7754	0.8143	0	0.1936	1.0079
1189	24.7	24.5	0.4401	0	0.3338	0.7739	0.8142	0	0.2114	1.0256
1190	23.8	24.5	0.4396	0	0.3321	0.7716	0.8518	0	0.1864	1.0383
1191	24	24.5	0.4382	0	0.3335	0.7718	0.8687	0	0.1948	1.0635
1192	23.7	24.5	0.436	0	0.3337	0.7697	0.8107	0	0.2333	1.044
1193	24.7	24.5	0.436	0	0.3329	0.7689	0.7843	0	0.2264	1.0107
1194	24.5	24.4	0.4344	0	0.3333	0.7677	0.7892	0	0.2129	1.0021
1195	23.8	24.4	0.4361	0	0.333	0.7691	0.7755	0	0.2539	1.0295
1196	24.9	24.3	0.4386	0	0.331	0.7696	0.7424	0	0.2977	1.0401
1197	26.3	24.3	0.4379	0	0.3287	0.7666	0.6763	0	0.3588	1.0351
1198	25.4	24.3	0.4392	0	0.3266	0.7658	0.5384	0	0.5192	1.0576
1199	25.2	24.1	0.439	0	0.3236	0.7626	0.5477	0	0.5097	1.0575
1200	25.1	24.1	0.4391	0	0.3217	0.7608	0.5252	0	0.5588	1.0839
1201	23.4	24.1	0.4387	0	0.3228	0.7615	0.5195	0	0.5375	1.0571
1202	23.4	24.1	0.4389	0	0.321	0.7599	0.5147	0	0.5241	1.0389
1203	23.2	24	0.4384	0	0.3187	0.757	0.5102	0	0.5178	1.028
1204	23.6	23.9	0.4373	0	0.3182	0.7555	0.524	0	0.5096	1.0336
1205	23.9	23.9	0.4363	0	0.3189	0.7553	0.5385	0	0.4954	1.034
1206	23.4	23.8	0.4362	0	0.3184	0.7546	0.5269	0	0.5112	1.0381
1207	23.9	23.6	0.437	0	0.3176	0.7546	0.5071	0	0.5363	1.0435
1208	22.2	23.4	0.4374	0	0.3168	0.7541	0.4778	0	0.559	1.0368
1209	23.8	23.4	0.4368	0	0.3166	0.7534	0.5216	0	0.5263	1.0479
1210	23.6	23.3	0.4368	0	0.3154	0.7522	0.5051	0	0.5528	1.0579
1211	22.8	23.2	0.4369	0	0.3131	0.75	0.4473	0	0.5718	1.0191
1212	23.1	23.1	0.4363	0	0.314	0.7503	0.3994	0	0.6043	1.0037

1213	23.9	22.9	0.4351	0	0.3143	0.7494	0.3601	0	0.6194	0.9795
1214	23.7	22.8	0.4335	0	0.3148	0.7483	0.3376	0	0.6174	0.955
1215	22.8	22.6	0.4302	0	0.318	0.7482	0.331	0	0.6211	0.9521
1216	22	22.4	0.4284	0	0.3213	0.7497	0.3424	0	0.6409	0.9833
1217	22.5	22.2	0.4305	0	0.3211	0.7516	0.3652	0	0.6368	1.0021
1218	24	22.2	0.4301	0	0.32	0.7501	0.35	0	0.6348	0.9848
1219	22.6	22.1	0.4287	0	0.3183	0.747	0.3415	0	0.6279	0.9694
1220	22.1	21.9	0.4285	0	0.3159	0.7444	0.3449	0	0.6415	0.9864
1221	21.3	21.8	0.4258	0	0.3156	0.7414	0.3693	0	0.6179	0.9872
1222	20.7	21.7	0.43	0	0.3145	0.7444	0.3334	0	0.6947	1.0281
1223	20.6	21.6	0.4307	0	0.3118	0.7425	0.3052	0	0.7121	1.0174
1224	20.3	21.4	0.4309	0	0.3104	0.7413	0.3037	0	0.6914	0.995
1225	19.8	21.4	0.4305	0	0.3113	0.7418	0.3178	0	0.6919	1.0097
1226	20.4	21.5	0.4301	0	0.3115	0.7416	0.3121	0	0.7297	1.0419
1227	21.5	21.5	0.4303	0	0.3104	0.7407	0.2941	0	0.7505	1.0445
1228	21.4	21.5	0.43	0	0.3107	0.7407	0.2959	0	0.7564	1.0523
1229	20.6	21.5	0.4294	0	0.3116	0.741	0.3125	0	0.76	1.0726
1230	21.4	21.5	0.4299	0	0.31	0.7398	0.3013	0	0.7756	1.0769
1231	21	21.5	0.4276	0	0.3096	0.7373	0.2867	0	0.7548	1.0415
1232	20.9	21.5	0.4281	0	0.3091	0.7372	0.2667	0	0.7391	1.0058
1233	21.2	21.5	0.4268	0	0.3082	0.735	0.2476	0	0.7012	0.9487
1234	22.1	21.6	0.4255	0	0.3073	0.7329	0.247	0	0.6903	0.9373
1235	23.3	21.6	0.4255	0	0.3069	0.7325	0.2524	0	0.6853	0.9377
1236	24	21.6	0.4251	0	0.307	0.732	0.234	0	0.679	0.913
1237	23.5	21.6	0.423	0	0.307	0.73	0.2107	0	0.6779	0.8886
1238	22	21.6	0.422	0	0.3062	0.7282	0.203	0	0.6867	0.8897
1239	21.9	21.6	0.4203	0	0.3066	0.727	0.1992	0	0.709	0.9082
1240	21.1	21.5	0.4209	0	0.3032	0.7242	0.1868	0	0.7335	0.9203
1241	21.4	21.6	0.425	0	0.301	0.726	0.1833	0	0.7131	0.8964
1242	21.5	21.6	0.4266	0	0.3012	0.7279	0.1689	0	0.7289	0.8978
1243	21	21.6	0.4257	0	0.3017	0.7274	0.1486	0	0.7317	0.8803
1244	20.3	21.6	0.4252	0	0.2983	0.7235	0.1465	0	0.7387	0.8852
1245	20.4	21.5	0.4255	0	0.2943	0.7198	0.1087	0	0.7755	0.8842
1246	21.1	21.4	0.4258	0	0.2928	0.7185	0.1045	0	0.7994	0.904
1247	21.2	21.3	0.426	0	0.2915	0.7174	0.1314	0	0.7942	0.9256
1248	20.9	21.4	0.4262	0	0.2897	0.7159	0.1045	0	0.8215	0.926
1249	20.8	21.5	0.4262	0	0.2872	0.7134	0.0988	0	0.8144	0.9132

1250	21.8	21.5	0.4263	0	0.2862	0.7125	0.0988	0	0.804	0.9028
1251	21.3	21.5	0.4273	0	0.2876	0.7149	0.049	0	0.8082	0.8572
1252	21.2	21.5	0.4277	0	0.2886	0.7163	0.0291	0	0.8521	0.8812
1253	21.3	21.6	0.4265	0	0.2877	0.7142	0.0193	0	0.8489	0.8681
1254	21.6	21.7	0.4256	0	0.2871	0.7127	-0.0061	0	0.857	0.8509
1255	22	21.8	0.4256	0	0.2859	0.7115	-0.0323	0	0.8988	0.8665
1256	22.7	21.8	0.4259	0	0.2837	0.7096	-0.0515	0	0.9337	0.8822
1257	23.4	21.8	0.4255	0	0.2829	0.7084	-0.0662	0	0.966	0.8998
1258	22.8	21.8	0.4239	0	0.283	0.7069	-0.0622	0	0.9376	0.8755
1259	21.7	21.8	0.424	0	0.2807	0.7047	-0.0549	0	0.9236	0.8687
1260	22	21.9	0.4259	0	0.2805	0.7064	-0.0808	0	0.9381	0.8573
1261	21.9	21.9	0.4276	0	0.2793	0.7068	-0.0884	0	0.9389	0.8505
1262	22.7	21.9	0.4303	0	0.2779	0.7082	-0.0752	0	0.9163	0.8411
1263	21.7	21.9	0.4322	0	0.2768	0.7091	-0.0755	0	0.9194	0.8439
1264	21.4	21.9	0.4322	0	0.2762	0.7085	-0.0903	0	0.9203	0.83
1265	21.7	21.8	0.4309	0	0.2748	0.7057	-0.1064	0	0.9431	0.8367
1266	21.2	21.7	0.4298	0	0.2728	0.7026	-0.1434	0	1.0203	0.8768
1267	21.2	21.6	0.4299	0	0.2727	0.7026	-0.1834	0	1.1045	0.9211
1268	21.4	21.4	0.4295	0	0.2733	0.7029	-0.1585	0	1.1352	0.9767
1269	22.5	21.3	0.4275	0	0.2717	0.6993	-0.1777	0	1.1018	0.9241
1270	21.4	21.3	0.4221	0	0.2747	0.6968	-0.2098	0	1.0793	0.8695
1271	21	21.2	0.422	0	0.2686	0.6905	-0.2189	0	1.0688	0.85
1272	21.2	21.2	0.424	0	0.2663	0.6903	-0.2469	0	1.0664	0.8195
1273	21.3	21.3	0.4239	0	0.2656	0.6895	-0.1855	0	1.0363	0.8508
1274	20.8	21.5	0.4225	0	0.2644	0.6869	-0.1516	0	0.9992	0.8477
1275	20.8	21.6	0.4214	0	0.2625	0.6839	-0.1471	0	0.9998	0.8526
1276	20.8	21.8	0.421	0	0.2615	0.6824	-0.1445	0	1.0145	0.8699
1277	20.1	22	0.4194	0	0.2625	0.6819	-0.1551	0	1.0243	0.8692
1278	20.4	22.2	0.4157	0	0.264	0.6796	-0.1496	0	1.0233	0.8738
1279	21.8	22.3	0.4149	0	0.2635	0.6784	-0.1541	0	1.0184	0.8643
1280	19.7	22.4	0.4158	0	0.2651	0.6809	-0.1557	0	1.0189	0.8632
1281	22.9	22.5	0.4166	0	0.2647	0.6813	-0.1409	0	0.985	0.8441
1282	23.2	22.6	0.4173	0	0.2668	0.6842	-0.1649	0	0.9822	0.8173
1283	24.3	22.6	0.4184	0	0.2659	0.6843	-0.1614	0	0.9848	0.8234
1284	24.8	22.7	0.4189	0	0.2652	0.6841	-0.1665	0	0.9826	0.816
1285	25	22.7	0.4196	0	0.265	0.6847	-0.165	0	0.9863	0.8213
1286	25.1	22.7	0.4207	0	0.2649	0.6856	-0.0847	0	0.931	0.8463

1287	24.9	22.8	0.4211	0	0.2648	0.6859	0.3045	0	0.5587	0.8632
1288	24.8	22.9	0.4211	0	0.2634	0.6846	0.2444	0	0.5996	0.8441
1289	23.4	22.8	0.4214	0	0.2604	0.6818	0.2195	0	0.5987	0.8182
1290	22.5	22.9	0.4212	0	0.2608	0.682	0.2064	0	0.5861	0.7926
1291	22	22.8	0.4214	0	0.2606	0.682	0.2136	0	0.5436	0.7572
1292	22.3	22.7	0.4211	0	0.2605	0.6817	0.2479	0	0.5236	0.7715
1293	22.1	22.5	0.4213	0	0.2591	0.6804	0.2623	0	0.5354	0.7977
1294	21.4	22.3	0.4236	0	0.2558	0.6793	0.2559	0	0.5534	0.8093
1295	21.1	22.1	0.4257	0	0.253	0.6787	0.2417	0	0.5314	0.7731
1296	21.4	21.8	0.4254	0	0.2516	0.677	0.2392	0	0.5082	0.7475
1297	21.9	21.6	0.4275	0	0.2465	0.674	0.2416	0	0.5067	0.7483
1298	21.1	21.4	0.4293	0	0.2452	0.6745	0.2471	0	0.4712	0.7184
1299	21.4	21.3	0.4291	0	0.2432	0.6723	0.246	0	0.4422	0.6882
1300	20.3	21.3	0.4342	0	0.2409	0.675	0.2443	0	0.4204	0.6647
1301	20.7	21.3	0.4358	0	0.2376	0.6733	0.2485	0	0.4013	0.6498
1302	21	21.3	0.437	0	0.2361	0.6731	0.268	0	0.3986	0.6666
1303	21.1	21.3	0.439	0	0.233	0.672	0.2883	0	0.3942	0.6825
1304	21.1	21.4	0.4405	0	0.2283	0.6688	0.291	0	0.3762	0.6672
1305	20.3	21.6	0.4415	0	0.2256	0.667	0.2846	0	0.3656	0.6502
1306	20.7	21.6	0.4428	0	0.2218	0.6646	0.291	0	0.3635	0.6545
1307	21	21.7	0.4432	0	0.2239	0.6671	0.287	0	0.3736	0.6605
1308	21	21.8	0.4429	0	0.2244	0.6673	0.2909	0	0.3693	0.6602
1309	21.8	21.8	0.4449	0	0.2228	0.6677	0.276	0	0.3922	0.6682
1310	22.2	21.9	0.4456	0	0.2215	0.6672	0.2741	0	0.3878	0.6619
1311	22.2	22	0.4444	0	0.2215	0.6659	0.2886	0	0.4021	0.6907
1312	22.9	22.1	0.4438	0	0.2221	0.6659	0.2991	0	0.4051	0.7043
1313	24.1	22.1	0.4441	0	0.2223	0.6664	0.3271	0	0.3872	0.7143
1314	23.9	22.2	0.4441	0	0.2204	0.6646	0.3545	0	0.3586	0.7132
1315	22.1	22.3	0.4445	0	0.216	0.6605	0.3602	0	0.3589	0.7191
1316	23.4	22.4	0.4468	0	0.2108	0.6576	0.3563	0	0.3455	0.7018
1317	22.5	22.5	0.4463	0	0.2076	0.6539	0.3521	0	0.3097	0.6618
1318	22.4	22.6	0.4479	0	0.2098	0.6577	0.3445	0	0.2906	0.6352
1319	22.5	22.6	0.4497	0	0.2104	0.66	0.3401	0	0.2879	0.628
1320	22.2	22.7	0.4504	0	0.2091	0.6595	0.3208	0	0.2628	0.5836
1321	22	22.7	0.4505	0	0.209	0.6595	0.2633	0	0.2785	0.5418
1322	22.1	22.6	0.4485	0	0.2109	0.6594	0.2631	0	0.2062	0.4693
1323	22.7	22.5	0.4459	0	0.2119	0.6578	0.2991	0	0.1847	0.4838

1324	23	22.4	0.4456	0	0.2104	0.6561	0.3214	0	0.1888	0.5102
1325	21.2	22.3	0.4449	0	0.2099	0.6548	0.3325	0	0.1903	0.5228
1326	22.9	22.2	0.4456	0	0.2091	0.6546	0.3376	0	0.1775	0.5151
1327	23.6	22.1	0.4452	0	0.2081	0.6533	0.3475	0	0.1553	0.5028
1328	22.1	22	0.4454	0	0.2088	0.6543	0.3636	0	0.156	0.5196
1329	23.2	21.9	0.445	0	0.2097	0.6547	0.3352	0	0.1716	0.5068
1330	22	21.9	0.444	0	0.2115	0.6554	0.327	0	0.1753	0.5022
1331	22	21.7	0.4441	0	0.2114	0.6555	0.3174	0	0.2404	0.5578
1332	22.3	21.6	0.4442	0	0.2106	0.6548	0.3074	0	0.2723	0.5797
1333	21.4	21.5	0.4434	0	0.2099	0.6534	0.3232	0	0.2728	0.596
1334	21	21.3	0.442	0	0.2087	0.6508	0.3428	0	0.2639	0.6067
1335	20.8	21.2	0.434	0	0.2138	0.6478	0.3415	0	0.2649	0.6063
1336	20.4	21.1	0.3946	0	0.2511	0.6457	0.3533	0	0.2663	0.6197
1337	21	20.9	0.3985	0	0.2471	0.6456	0.3429	0	0.2918	0.6347
1338	20.8	20.8	0.4	0	0.2463	0.6463	0.3225	0	0.3073	0.6298
1339	20.5	20.7	0.3997	0	0.248	0.6477	0.3148	0	0.3082	0.6231
1340	19.6	20.6	0.3996	0	0.2489	0.6484	0.313	0	0.284	0.5971
1341	19.7	20.6	0.4002	0	0.2486	0.6488	0.3211	0	0.2757	0.5968
1342	19.9	20.6	0.4004	0	0.2477	0.6481	0.3266	0	0.2664	0.593
1343	19.5	20.6	0.4001	0	0.2463	0.6465	0.3103	0	0.281	0.5913
1344	20	20.7	0.401	0	0.2451	0.6462	0.4232	0	0.1669	0.5901
1345	20.3	20.8	0.4016	0	0.2434	0.645	0.9235	0	-0.3649	0.5587
1346	19.5	21	0.4016	0	0.2421	0.6437	0.9904	0	-0.3679	0.6225
1347	20.4	21.1	0.4012	0	0.2443	0.6456	1.0008	0	-0.3875	0.6133
1348	21.7	21.2	0.4016	0	0.2455	0.6471	1.0234	0	-0.4381	0.5853
1349	20.9	21.2	0.4018	0	0.2451	0.6469	1.0571	0	-0.4661	0.5909
1350	21.5	21.4	0.4014	0	0.246	0.6475	1.0515	0	-0.4681	0.5834
1351	22.2	21.5	0.4005	0	0.2477	0.6482	1.0856	0	-0.4631	0.6225
1352	22.2	21.6	0.3989	0	0.2491	0.648	1.0891	0	-0.4623	0.6268
1353	22.8	21.7	0.3974	0	0.2501	0.6475	1.0881	0	-0.4333	0.6549
1354	23.1	21.8	0.3971	0	0.2505	0.6477	1.0905	0	-0.4643	0.6263
1355	22.6	21.9	0.3965	0	0.2496	0.646	1.1044	0	-0.5051	0.5994
1356	23.5	22.1	0.3972	0	0.2463	0.6435	1.1343	0	-0.5371	0.5972
1357	22.5	22.2	0.3964	0	0.2459	0.6424	1.1543	0	-0.5464	0.6079
1358	21.7	22.3	0.3963	0	0.2438	0.6401	1.1686	0	-0.5227	0.6459
1359	22.1	22.4	0.3966	0	0.2419	0.6385	1.1662	0	-0.5221	0.6441
1360	22.3	22.4	0.3971	0	0.2403	0.6374	1.1843	0	-0.544	0.6403

1361	21.6	22.4	0.3976	0	0.2388	0.6364	1.1905	0	-0.5519	0.6386
1362	21.4	22.4	0.3976	0	0.2392	0.6367	1.1678	0	-0.5312	0.6366
1363	22.3	22.4	0.3968	0	0.241	0.6378	1.137	0	-0.516	0.621
1364	22.4	22.3	0.3962	0	0.2403	0.6366	1.1404	0	-0.4946	0.6458
1365	22.3	22.2	0.3953	0	0.2402	0.6355	1.1369	0	-0.5134	0.6236
1366	22.5	22.1	0.3946	0	0.2419	0.6364	1.1547	0	-0.5917	0.563
1367	23.5	22.1	0.3954	0	0.2437	0.6391	1.1946	0	-0.6414	0.5531
1368	23.1	22.1	0.3955	0	0.2446	0.6401	1.2016	0	-0.6675	0.5341
1369	21.8	22.1	0.3954	0	0.2455	0.6409	1.2231	0	-0.6453	0.5779
1370	21.3	22	0.3958	0	0.2468	0.6426	1.2464	0	-0.6393	0.6072
1371	22.3	22	0.3956	0	0.2479	0.6436	1.2594	0	-0.6494	0.61
1372	23.1	22	0.394	0	0.2479	0.6419	1.2601	0	-0.6393	0.6208
1373	21.9	22	0.3918	0	0.2467	0.6385	1.2288	0	-0.6098	0.6189
1374	20.8	21.9	0.3893	0	0.2453	0.6346	1.1954	0	-0.5871	0.6082
1375	22	21.9	0.3877	0	0.2447	0.6324	1.1914	0	-0.5614	0.63
1376	21.1	21.8	0.3862	0	0.2459	0.6321	1.166	0	-0.5406	0.6254
1377	21.9	21.7	0.3831	0	0.2469	0.6299	1.1702	0	-0.5611	0.6091
1378	21.6	21.5	0.3821	0	0.2468	0.629	1.1688	0	-0.5832	0.5856
1379	21.1	21.4	0.3822	0	0.246	0.6281	1.1739	0	-0.5797	0.5942
1380	20.9	21.4	0.384	0	0.2411	0.6251	1.1789	0	-0.5755	0.6035
1381	21.5	21.3	0.3858	0	0.2375	0.6233	1.1803	0	-0.5571	0.6232
1382	22.4	21.1	0.385	0	0.2396	0.6246	1.1871	0	-0.5456	0.6414
1383	21.8	21.1	0.3842	0	0.2395	0.6237	1.2073	0	-0.5588	0.6485
1384	21.1	21.1	0.3848	0	0.2387	0.6234	1.2165	0	-0.5792	0.6373
1385	21.7	21.1	0.3843	0	0.2384	0.6227	1.2205	0	-0.5893	0.6312
1386	21.2	21.2	0.3864	0	0.2357	0.6221	1.1597	0	-0.5378	0.6218
1387	20	21.2	0.3888	0	0.2341	0.6229	0.7751	0	-0.1671	0.608
1388	19.7	21.2	0.3896	0	0.2326	0.6223	0.8169	0	-0.216	0.6009
1389	20.2	21.2	0.3901	0	0.232	0.6221	0.8359	0	-0.2247	0.6113
1390	20.3	21.3	0.3891	0	0.2332	0.6223	0.8264	0	-0.1867	0.6397
1391	20.6	21.3	0.3887	0	0.234	0.6227	0.8034	0	-0.1487	0.6546
1392	21.3	21.3	0.3901	0	0.2324	0.6225	0.8021	0	-0.1408	0.6613
1393	21.1	21.3	0.379	0	0.2424	0.6214	0.8101	0	-0.1382	0.6719
1394	22.1	21.3	0.3312	0	0.2922	0.6235	0.8147	0	-0.1681	0.6466
1395	21.8	21.3	0.3267	0	0.2898	0.6165	0.8217	0	-0.1941	0.6276
1396	22	21.4	0.3254	0	0.2903	0.6157	0.8312	0	-0.2204	0.6107
1397	22.2	21.4	0.3251	0	0.2903	0.6154	0.8378	0	-0.2586	0.5792

1398	22	21.5	0.3236	0	0.2918	0.6154	0.8366	0	-0.2583	0.5783
1399	21.7	21.6	0.324	0	0.29	0.6139	0.839	0	-0.2506	0.5884
1400	22.1	21.6	0.3256	0	0.2872	0.6128	0.8467	0	-0.2545	0.5922
1401	22.3	21.5	0.3269	0	0.2838	0.6107	0.8591	0	-0.2486	0.6105
1402	21.6	21.4	0.3281	0	0.2794	0.6076	0.8281	0	-0.2122	0.6158
1403	21	21.4	0.33	0	0.2794	0.6093	0.8128	0	-0.2137	0.5991
1404	21.5	21.3	0.3301	0	0.2788	0.6089	0.7868	0	-0.1754	0.6113
1405	22.3	21.1	0.328	0	0.2793	0.6073	0.7717	0	-0.1519	0.6197
1406	21	21	0.3274	0	0.2764	0.6039	0.7656	0	-0.1308	0.6348
1407	21.6	20.8	0.3263	0	0.2761	0.6025	0.7763	0	-0.1556	0.6207
1408	21.4	20.7	0.3262	0	0.2766	0.6029	0.7741	0	-0.1674	0.6068
1409	20.1	20.5	0.3265	0	0.2772	0.6037	0.7777	0	-0.1884	0.5893
1410	19.3	20.3	0.3266	0	0.2767	0.6033	0.779	0	-0.2009	0.5781
1411	19.8	20.1	0.3276	0	0.2746	0.6022	0.7819	0	-0.2138	0.5681
1412	20.2	20.1	0.3301	0	0.2737	0.6038	0.7907	0	-0.2445	0.5462
1413	19.9	20	0.3301	0	0.2717	0.6018	0.7973	0	-0.1992	0.5981
1414	19.2	19.9	0.3304	0	0.2718	0.6022	0.793	0	-0.1823	0.6107
1415	19.3	19.8	0.3291	0	0.2751	0.6042	0.791	0	-0.1844	0.6066
1416	19.5	19.7	0.3273	0	0.275	0.6023	0.7906	0	-0.1782	0.6124
1417	18.8	19.6	0.3262	0	0.2744	0.6005	0.7885	0	-0.1488	0.6397
1418	18.2	19.6	0.3256	0	0.2744	0.5999	0.7913	0	-0.1171	0.6742
1419	18.5	19.5	0.325	0	0.2743	0.5993	0.783	0	-0.1002	0.6829
1420	19.5	19.5	0.3245	0	0.274	0.5985	0.7792	0	-0.0872	0.692
1421	20.4	19.6	0.3245	0	0.2729	0.5974	0.7818	0	-0.0698	0.712
1422	19.5	19.6	0.3256	0	0.2718	0.5975	0.7815	0	-0.0592	0.7223
1423	19.5	19.6	0.3264	0	0.2706	0.5969	0.7691	0	-0.0429	0.7262
1424	19.7	19.6	0.3265	0	0.2666	0.5931	0.7446	0	-0.0528	0.6918
1425	19.5	19.6	0.3283	0	0.2639	0.5922	0.7173	0	-0.0686	0.6486
1426	20.2	19.7	0.3286	0	0.2652	0.5937	0.7023	0	-0.0706	0.6317
1427	20.4	19.8	0.3283	0	0.2664	0.5947	0.6881	0	-0.0445	0.6437
1428	19.7	19.9	0.3281	0	0.2668	0.5949	0.6597	0	-0.0253	0.6344
1429	19.5	19.9	0.3271	0	0.2673	0.5944	0.6606	0	-0.0339	0.6267
1430	20.4	19.8	0.3259	0	0.2672	0.5931	0.668	0	-0.0493	0.6187
1431	20.5	19.8	0.3254	0	0.266	0.5914	0.6838	0	-0.0912	0.5927
1432	20	19.8	0.3235	0	0.2665	0.59	0.7161	0	-0.1054	0.6108
1433	19.2	19.9	0.3218	0	0.2678	0.5896	0.7016	0	-0.0595	0.6421
1434	20.1	19.8	0.32	0	0.2676	0.5876	0.6866	0	-0.0536	0.6331

1435	20.8	19.8	0.318	0	0.2676	0.5856	0.6857	0	-0.0534	0.6322
1436	20.8	19.7	0.3171	0	0.2678	0.5849	0.6787	0	-0.0635	0.6152
1437	19.6	19.6	0.3168	0	0.2687	0.5855	0.7006	0	-0.0983	0.6022
1438	18.5	19.6	0.3164	0	0.2688	0.5852	0.725	0	-0.1039	0.6211
1439	18.6	19.7	0.317	0	0.2667	0.5837	0.7339	0	-0.1074	0.6265
1440	19.2	19.6	0.3192	0	0.2637	0.583	0.7628	0	-0.1078	0.655
1441	20.5	19.6	0.32	0	0.2627	0.5827	0.7653	0	-0.1202	0.6451
1442	19.8	19.6	0.3194	0	0.2615	0.5809	0.7896	0	-0.1318	0.6578
1443	19.2	19.6	0.3187	0	0.2632	0.5818	0.8223	0	-0.1596	0.6627
1444	19.2	19.6	0.3189	0	0.2645	0.5834	0.7255	0	-0.0637	0.6617
1445	18.7	19.5	0.3185	0	0.2655	0.584	0.263	0	0.4246	0.6876
1446	18.8	19.4	0.3178	0	0.268	0.5858	0.233	0	0.3791	0.6121
1447	19.5	19.4	0.3176	0	0.2702	0.5877	0.2315	0	0.3741	0.6056
1448	20	19.4	0.3177	0	0.2705	0.5882	0.2223	0	0.3837	0.606
1449	20.2	19.5	0.3171	0	0.2706	0.5877	0.1891	0	0.4218	0.6109
1450	20.3	19.5	0.3155	0	0.2709	0.5864	0.191	0	0.4063	0.5973
1451	19.4	19.5	0.3177	0	0.269	0.5867	0.1747	0	0.4276	0.6023
1452	19.4	19.4	0.3176	0	0.2705	0.5881	0.1771	0	0.4151	0.5922
1453	19.4	19.4	0.3188	0	0.2676	0.5864	0.191	0	0.3905	0.5815
1454	19.4	19.4	0.32	0	0.2657	0.5857	0.2162	0	0.3977	0.6139
1455	19.4	19.5	0.3199	0	0.2626	0.5826	0.2349	0	0.3653	0.6002
1456	18.9	19.6	0.3195	0	0.2619	0.5814	0.2124	0	0.382	0.5944
1457	19.1	19.6	0.319	0	0.2627	0.5817	0.2152	0	0.3571	0.5724
1458	19.7	19.6	0.3185	0	0.2627	0.5812	0.1957	0	0.3641	0.5598
1459	19.7	19.6	0.3187	0	0.262	0.5807	0.193	0	0.3692	0.5622
1460	19.5	19.5	0.3189	0	0.2617	0.5805	0.198	0	0.3954	0.5933
1461	18.4	19.4	0.3186	0	0.2632	0.5818	0.2057	0	0.4151	0.6208
1462	19.1	19.4	0.3178	0	0.2591	0.5769	0.2261	0	0.4061	0.6323
1463	19.9	19.4	0.3175	0	0.2592	0.5767	0.2512	0	0.3994	0.6506
1464	20.3	19.3	0.3171	0	0.2588	0.5759	0.2316	0	0.3795	0.6111
1465	20.4	19.3	0.3162	0	0.258	0.5742	0.2336	0	0.3839	0.6175
1466	20	19.4	0.3157	0	0.2568	0.5725	0.2206	0	0.3977	0.6183
1467	19.7	19.4	0.3163	0	0.2554	0.5717	0.2158	0	0.3804	0.5962
1468	19.5	19.4	0.3172	0	0.2546	0.5718	0.2154	0	0.3686	0.584
1469	18.8	19.3	0.3175	0	0.2542	0.5717	0.2121	0	0.3813	0.5934
1470	18.6	19.3	0.3176	0	0.2538	0.5714	0.218	0	0.3805	0.5984
1471	19.7	19.3	0.3175	0	0.2539	0.5714	0.2296	0	0.3652	0.5948

1472	18.3	19.4	0.3171	0	0.2522	0.5693	0.2355	0	0.3486	0.5841
1473	18.4	19.4	0.3173	0	0.252	0.5693	0.2408	0	0.3247	0.5655
1474	19.1	19.3	0.3175	0	0.2522	0.5698	0.2479	0	0.2732	0.5211
1475	19.8	19.3	0.3174	0	0.2518	0.5692	0.2362	0	0.2967	0.5329
1476	19.6	19.2	0.3174	0	0.2504	0.5678	0.2243	0	0.3084	0.5327
1477	18.9	19.2	0.3171	0	0.2494	0.5665	0.2041	0	0.3727	0.5768
1478	19.1	19.1	0.3161	0	0.2502	0.5663	0.1952	0	0.3864	0.5817
1479	19.7	19.1	0.3154	0	0.2509	0.5663	0.1966	0	0.4108	0.6074
1480	18.8	19	0.3156	0	0.2502	0.5659	0.1964	0	0.4121	0.6085
1481	19.9	19	0.3142	0	0.248	0.5622	0.1922	0	0.401	0.5931
1482	19.9	19	0.3148	0	0.2455	0.5603	0.1872	0	0.3929	0.5801
1483	19.1	19	0.3155	0	0.2449	0.5604	0.161	0	0.394	0.555
1484	19.2	19	0.3162	0	0.244	0.5602	0.1325	0	0.4135	0.546
1485	19.3	18.9	0.3165	0	0.2447	0.5612	0.1123	0	0.4129	0.5253
1486	18.7	18.8	0.3164	0	0.2456	0.5619	0.0991	0	0.4054	0.5045
1487	18.1	18.8	0.3163	0	0.2445	0.5608	0.1038	0	0.4121	0.5159
1488	18.3	18.7	0.3163	0	0.2433	0.5596	0.1228	0	0.4016	0.5244
1489	18.1	18.6	0.3138	0	0.2428	0.5566	0.1326	0	0.4014	0.534
1490	18.9	18.5	0.3126	0	0.2452	0.5578	0.1376	0	0.4054	0.5431
1491	18.5	18.4	0.3097	0	0.2472	0.5569	0.1583	0	0.3924	0.5507
1492	18.6	18.3	0.3079	0	0.2484	0.5563	0.1725	0	0.3883	0.5608
1493	18.5	18.2	0.3065	0	0.2488	0.5552	0.171	0	0.3851	0.5561
1494	18.2	18.2	0.3049	0	0.2498	0.5547	0.1574	0	0.3959	0.5533
1495	17.9	18.1	0.3033	0	0.2519	0.5553	0.154	0	0.4042	0.5582
1496	17.7	18.1	0.3022	0	0.2529	0.5551	0.142	0	0.3884	0.5304
1497	17.7	18.1	0.3029	0	0.252	0.5548	0.1335	0	0.4248	0.5583
1498	17.5	18.1	0.3047	0	0.2496	0.5543	0.1278	0	0.4569	0.5848
1499	17.2	18.1	0.3049	0	0.2493	0.5542	0.1421	0	0.4485	0.5906
1500	17.9	18.1	0.3082	0	0.2444	0.5526	0.1424	0	0.4338	0.5761
1501	17.9	18.2	0.3092	0	0.2423	0.5514	0.1308	0	0.4358	0.5666
1502	18.1	18.2	0.309	0	0.2404	0.5494	0.1558	0	0.419	0.5748
1503	18.5	18.2	0.3083	0	0.2396	0.5479	0.1548	0	0.43	0.5849
1504	18.4	18.3	0.3066	0	0.2423	0.5489	0.1725	0	0.396	0.5685
1505	18.4	18.4	0.3068	0	0.2411	0.5479	0.1901	0	0.3593	0.5494
1506	18.3	18.5	0.3059	0	0.2407	0.5466	0.1779	0	0.3428	0.5207
1507	18	18.6	0.3068	0	0.2397	0.5465	0.1643	0	0.3525	0.5168
1508	18.3	18.8	0.3069	0	0.2397	0.5466	0.1729	0	0.3411	0.514

1509	18.9	18.9	0.3067	0	0.2377	0.5443	0.1983	0	0.3023	0.5007
1510	19.2	19	0.306	0	0.2352	0.5412	0.2066	0	0.2868	0.4934
1511	19.3	19.1	0.305	0	0.234	0.539	0.2113	0	0.2832	0.4946
1512	19.2	19.2	0.305	0	0.2338	0.5387	0.229	0	0.2795	0.5085
1513	18.8	19.3	0.3069	0	0.2338	0.5407	0.2498	0	0.2058	0.4556
1514	20.9	19.4	0.3071	0	0.2334	0.5405	0.2568	0	0.1997	0.4565
1515	19.6	19.5	0.307	0	0.2354	0.5424	0.2469	0	0.2466	0.4936
1516	19.4	19.6	0.3057	0	0.2369	0.5427	0.236	0	0.3015	0.5375
1517	20.3	19.6	0.3046	0	0.2375	0.5421	0.2202	0	0.3248	0.545
1518	20.1	19.6	0.3044	0	0.2362	0.5406	0.2169	0	0.3496	0.5665
1519	19.8	19.5	0.3032	0	0.2363	0.5395	0.2061	0	0.3696	0.5758
1520	19.9	19.5	0.3015	0	0.2375	0.539	0.1797	0	0.4013	0.581
1521	20.3	19.4	0.3009	0	0.2381	0.539	0.1748	0	0.4211	0.5958
1522	20.3	19.4	0.3016	0	0.2394	0.5409	0.1738	0	0.4374	0.6112
1523	20	19.4	0.3016	0	0.2433	0.5448	0.169	0	0.4249	0.5939
1524	20.1	19.4	0.3029	0	0.2369	0.5398	0.1728	0	0.4199	0.5927
1525	19.6	19.3	0.3059	0	0.2331	0.539	0.1732	0	0.4299	0.6031
1526	18.9	19.3	0.3082	0	0.2279	0.536	0.1725	0	0.4368	0.6094
1527	17.7	19.3	0.3088	0	0.2277	0.5366	0.1829	0	0.3978	0.5806
1528	17.7	19.2	0.3084	0	0.2257	0.5341	0.2055	0	0.3762	0.5816
1529	18.2	19.2	0.3075	0	0.2261	0.5335	0.205	0	0.3379	0.5429
1530	18.3	19.1	0.3067	0	0.2271	0.5338	0.2067	0	0.3483	0.555
1531	18.7	19	0.3067	0	0.2267	0.5334	0.188	0	0.3788	0.5669
1532	19.5	18.9	0.3074	0	0.2271	0.5345	0.1532	0	0.3868	0.5401
1533	19.4	18.8	0.3085	0	0.2265	0.535	0.1586	0	0.369	0.5276
1534	19.4	18.7	0.3088	0	0.2264	0.5351	0.1801	0	0.348	0.5281
1535	18.6	18.6	0.3081	0	0.2271	0.5352	0.208	0	0.3197	0.5277
1536	19.3	18.5	0.3067	0	0.2266	0.5333	0.2116	0	0.3451	0.5567
1537	19.6	18.5	0.3046	0	0.2285	0.5331	0.1756	0	0.388	0.5635
1538	19.5	18.6	0.3032	0	0.2286	0.5318	0.1691	0	0.4105	0.5796
1539	18.7	18.6	0.3033	0	0.2262	0.5294	0.1733	0	0.4164	0.5897
1540	18	18.5	0.3034	0	0.2245	0.5279	0.1552	0	0.4121	0.5673
1541	18.1	18.5	0.3028	0	0.2239	0.5266	0.1358	0	0.4331	0.5689
1542	18.5	18.5	0.3023	0	0.223	0.5253	0.1079	0	0.4573	0.5652
1543	18.2	18.5	0.3029	0	0.2236	0.5265	0.0984	0	0.4812	0.5797
1544	17.5	18.4	0.3035	0	0.2241	0.5276	0.0943	0	0.4903	0.5845
1545	17.2	18.4	0.3043	0	0.2266	0.5309	0.0883	0	0.4885	0.5769

1546	17.6	18.4	0.3045	0	0.2255	0.53	0.0772	0	0.5003	0.5775
1547	18.4	18.4	0.3048	0	0.2245	0.5293	0.0632	0	0.5112	0.5744
1548	18.2	18.4	0.3035	0	0.2257	0.5292	0.0626	0	0.4563	0.5189
1549	17.8	18.5	0.3029	0	0.2272	0.5301	0.078	0	0.4268	0.5048
1550	18.4	18.5	0.3025	0	0.2273	0.5298	0.0691	0	0.434	0.5031
1551	19.2	18.5	0.3021	0	0.2271	0.5292	0.1043	0	0.3884	0.4928
1552	19.2	18.5	0.3021	0	0.2275	0.5296	0.1159	0	0.3643	0.4802
1553	18.4	18.5	0.3015	0	0.228	0.5295	0.121	0	0.3486	0.4696
1554	18.4	18.5	0.301	0	0.2298	0.5308	0.1267	0	0.3457	0.4723
1555	18.3	18.5	0.3021	0	0.2284	0.5305	0.1115	0	0.3575	0.469
1556	20	18.5	0.3031	0	0.2267	0.5298	0.1173	0	0.32	0.4374
1557	19.7	18.5	0.3017	0	0.2286	0.5303	0.0867	0	0.3347	0.4215
1558	19.7	18.4	0.2987	0	0.2324	0.5311	0.0882	0	0.3439	0.4321
1559	18.9	18.4	0.298	0	0.2333	0.5313	0.1086	0	0.3333	0.442
1560	18.4	18.3	0.2977	0	0.2334	0.5311	0.1265	0	0.2915	0.418
1561	18.1	18.2	0.2957	0	0.2353	0.5309	0.1287	0	0.2729	0.4016
1562	17.5	18	0.2929	0	0.2385	0.5314	0.1206	0	0.2869	0.4075
1563	17.5	17.9	0.2918	0	0.2392	0.531	0.116	0	0.3106	0.4266
1564	18.1	17.8	0.2924	0	0.2341	0.5265	0.1271	0	0.3234	0.4504
1565	17	17.7	0.2926	0	0.2279	0.5205	0.1259	0	0.3241	0.45
1566	18.2	17.6	0.2937	0	0.2243	0.5179	0.133	0	0.3616	0.4946
1567	17.4	17.5	0.2946	0	0.2204	0.515	0.1276	0	0.3768	0.5043
1568	17.1	17.4	0.2966	0	0.2176	0.5142	0.1265	0	0.3662	0.4927
1569	17.2	17.4	0.2995	0	0.2141	0.5136	0.1356	0	0.3361	0.4718
1570	16.3	17.4	0.3001	0	0.2117	0.5118	0.1315	0	0.3238	0.4553
1571	16	17.5	0.3001	0	0.2101	0.5102	0.1172	0	0.321	0.4383
1572	16.5	17.6	0.3002	0	0.2097	0.5099	0.1113	0	0.3251	0.4364
1573	16.6	17.7	0.3001	0	0.21	0.5101	0.1129	0	0.3508	0.4637
1574	16.4	17.7	0.3002	0	0.2092	0.5094	0.1109	0	0.4005	0.5114
1575	17.2	17.8	0.3002	0	0.2081	0.5083	0.1268	0	0.3455	0.4723
1576	18	17.9	0.2991	0	0.2106	0.5097	0.1525	0	0.3287	0.4812
1577	18	18	0.2966	0	0.2118	0.5083	0.163	0	0.272	0.4351
1578	18.6	18.1	0.2956	0	0.2164	0.512	0.1642	0	0.2823	0.4466
1579	19.1	18.2	0.2947	0	0.2161	0.5108	0.1475	0	0.2505	0.398
1580	19.6	18.4	0.2968	0	0.2123	0.5092	0.1295	0	0.2827	0.4121
1581	19.5	18.5	0.2989	0	0.2093	0.5082	0.1258	0	0.284	0.4099
1582	19.1	18.6	0.299	0	0.2086	0.5076	0.1301	0	0.2736	0.4038

1583	19.1	18.7	0.2975	0	0.2101	0.5075	0.1362	0	0.279	0.4152
1584	19	18.8	0.2954	0	0.212	0.5074	0.1489	0	0.2635	0.4124
1585	19.2	18.9	0.2953	0	0.2102	0.5055	0.1594	0	0.2349	0.3943
1586	19.6	19	0.2988	0	0.2068	0.5056	0.1617	0	0.2111	0.3729
1587	19	19.2	0.2994	0	0.2034	0.5029	0.1499	0	0.2017	0.3515
1588	19.7	19.2	0.2989	0	0.2017	0.5006	0.1325	0	0.227	0.3596
1589	19	19.1	0.2983	0	0.2016	0.4999	0.1087	0	0.2199	0.3286
1590	18.5	19.1	0.299	0	0.2019	0.5009	0.1002	0	0.2046	0.3048
1591	18.4	19	0.299	0	0.2015	0.5004	0.1067	0	0.1484	0.2551
1592	18.7	19	0.298	0	0.2003	0.4983	0.1034	0	0.1178	0.2212
1593	18.7	19	0.297	0	0.1997	0.4968	0.1006	0	0.1282	0.2288
1594	18.5	19	0.2961	0	0.2009	0.497	0.1148	0	0.1538	0.2687
1595	19.9	18.9	0.2956	0	0.2019	0.4975	0.1297	0	0.1662	0.296
1596	20.7	18.8	0.2959	0	0.2018	0.4977	0.1408	0	0.2094	0.3502
1597	19.1	18.7	0.2966	0	0.2063	0.5029	0.1457	0	0.2049	0.3506
1598	18.3	18.6	0.2969	0	0.207	0.5038	0.1495	0	0.1834	0.3328
1599	18.5	18.5	0.298	0	0.2059	0.5039	0.1463	0	0.1901	0.3364
1600	18.4	18.5	0.2977	0	0.2056	0.5033	0.1544	0	0.1966	0.3509
1601	18.5	18.5	0.2976	0	0.2059	0.5034	0.1399	0	0.2155	0.3554
1602	18.9	18.4	0.2969	0	0.2055	0.5025	0.1322	0	0.2217	0.3539
1603	18.5	18.3	0.2957	0	0.205	0.5007	0.1409	0	0.2167	0.3576
1604	17.5	18.3	0.2954	0	0.2066	0.502	0.1454	0	0.2139	0.3592
1605	17.7	18.3	0.2951	0	0.2091	0.5041	0.1453	0	0.2338	0.3791
1606	17.7	18.2	0.2972	0	0.2073	0.5045	0.1602	0	0.2288	0.389
1607	17.8	18.2	0.2979	0	0.2053	0.5033	0.1722	0	0.2386	0.4108
1608	17.5	18.2	0.2961	0	0.2064	0.5024	0.1716	0	0.2674	0.4389
1609	18.4	18.2	0.294	0	0.2085	0.5025	0.1656	0	0.2847	0.4502
1610	17.8	18.2	0.2931	0	0.2079	0.5011	0.1548	0	0.2863	0.4411
1611	17.2	18.2	0.2929	0	0.2053	0.4983	0.1428	0	0.3002	0.443
1612	17.7	18.2	0.2934	0	0.2027	0.4961	0.1056	0	0.354	0.4596
1613	18.6	18.1	0.2942	0	0.2014	0.4957	0.0834	0	0.3714	0.4548
1614	18.8	18.2	0.2945	0	0.201	0.4955	0.081	0	0.3689	0.4499
1615	18.8	18.2	0.2937	0	0.1992	0.4929	0.0731	0	0.3505	0.4236
1616	19.6	18.3	0.293	0	0.1993	0.4922	0.0491	0	0.3238	0.3729
1617	18.5	18.3	0.292	0	0.2009	0.4929	0.048	0	0.2911	0.3391
1618	18.2	18.4	0.2908	0	0.2026	0.4934	0.0492	0	0.2443	0.2935
1619	18.1	18.5	0.2901	0	0.2039	0.494	0.072	0	0.2035	0.2756

1620	18.4	18.5	0.2898	0	0.2054	0.4952	0.1015	0	0.1505	0.252
1621	18.4	18.6	0.2898	0	0.2056	0.4954	0.1097	0	0.1107	0.2204
1622	18	18.7	0.2903	0	0.2043	0.4946	0.1214	0	0.0934	0.2149
1623	18.2	18.8	0.2905	0	0.2032	0.4937	0.1427	0	0.0904	0.2331
1624	18.7	18.8	0.2902	0	0.2024	0.4926	0.1563	0	0.0923	0.2485
1625	18.7	18.8	0.2906	0	0.2002	0.4909	0.1623	0	0.099	0.2613
1626	18.9	18.7	0.2919	0	0.2007	0.4925	0.173	0	0.1164	0.2894
1627	18.5	18.7	0.2924	0	0.1995	0.4919	0.164	0	0.1519	0.3159
1628	19.6	18.7	0.2937	0	0.2007	0.4943	0.1386	0	0.1629	0.3015
1629	18.6	18.7	0.2945	0	0.1978	0.4923	0.1247	0	0.2167	0.3413
1630	19.8	18.6	0.2941	0	0.1987	0.4928	0.1141	0	0.214	0.3281
1631	19.9	18.6	0.2937	0	0.1993	0.493	0.1348	0	0.18	0.3148
1632	19	18.6	0.2938	0	0.1992	0.493	0.1324	0	0.1636	0.296
1633	19.1	18.6	0.2937	0	0.2001	0.4938	0.1136	0	0.1596	0.2732
1634	19.4	18.5	0.2928	0	0.2029	0.4957	0.1008	0	0.1658	0.2666
1635	18.4	18.5	0.292	0	0.206	0.4979	0.0844	0	0.1917	0.2761
1636	18.3	18.4	0.2917	0	0.2064	0.4982	0.0923	0	0.1817	0.274
1637	17.8	18.4	0.2913	0	0.2058	0.4971	0.1231	0	0.1736	0.2967
1638	16.9	18.3	0.2923	0	0.2066	0.4989	0.1312	0	0.142	0.2732
1639	18	18.2	0.2932	0	0.2057	0.4989	0.1432	0	0.1283	0.2716
1640	17.4	18.1	0.2927	0	0.2097	0.5024	0.1302	0	0.141	0.2712
1641	17.4	18	0.2924	0	0.2121	0.5045	0.13	0	0.1575	0.2874
1642	18.1	17.9	0.2922	0	0.2102	0.5024	0.1244	0	0.1741	0.2985
1643	18.3	17.9	0.2914	0	0.2082	0.4996	0.1179	0	0.1888	0.3067
1644	17.9	17.9	0.2905	0	0.2075	0.498	0.1114	0	0.2058	0.3173
1645	17.7	17.9	0.2902	0	0.2057	0.4959	0.0886	0	0.2368	0.3254
1646	17.7	17.9	0.2899	0	0.205	0.4949	0.0646	0	0.2644	0.329
1647	17.5	17.9	0.2899	0	0.2061	0.496	0.0552	0	0.2599	0.3151
1648	17.3	17.9	0.2889	0	0.2067	0.4955	0.0687	0	0.3006	0.3693
1649	17.8	17.9	0.2874	0	0.2076	0.495	0.0784	0	0.2965	0.3749
1650	17.8	17.9	0.2885	0	0.2058	0.4942	0.1003	0	0.2532	0.3534
1651	18.1	18	0.2889	0	0.2049	0.4938	0.1162	0	0.2328	0.349
1652	18.6	17.9	0.288	0	0.2058	0.4939	0.1253	0	0.2414	0.3667
1653	18.6	17.9	0.287	0	0.2066	0.4936	0.116	0	0.2599	0.3759
1654	18.3	17.8	0.2864	0	0.2064	0.4929	0.0939	0	0.2689	0.3628
1655	18	17.8	0.2861	0	0.2055	0.4916	0.0863	0	0.2787	0.3649
1656	17.9	17.8	0.2859	0	0.2028	0.4887	0.0816	0	0.3183	0.4

1657	17.8	17.7	0.2846	0	0.2018	0.4864	0.097	0	0.3283	0.4253
1658	18	17.7	0.2821	0	0.204	0.4861	0.1025	0	0.3046	0.4071
1659	17.7	17.7	0.2825	0	0.2047	0.4872	0.0811	0	0.3088	0.3899
1660	18	17.7	0.2834	0	0.2033	0.4868	0.0541	0	0.3283	0.3824
1661	17.3	17.6	0.2851	0	0.1999	0.485	0.0428	0	0.325	0.3678
1662	17.3	17.6	0.2845	0	0.2014	0.4859	0.0422	0	0.3168	0.359
1663	17.7	17.5	0.2837	0	0.2024	0.486	0.0517	0	0.3054	0.357
1664	17.4	17.4	0.2851	0	0.1991	0.4842	0.0663	0	0.3011	0.3674
1665	16.8	17.3	0.2877	0	0.1955	0.4832	0.072	0	0.3053	0.3773
1666	16.7	17.3	0.2889	0	0.1952	0.484	0.0651	0	0.2787	0.3438
1667	17.1	17.3	0.2897	0	0.196	0.4857	0.0627	0	0.2459	0.3086
1668	17.3	17.4	0.2894	0	0.1973	0.4867	0.0528	0	0.2667	0.3194
1669	17.5	17.4	0.2894	0	0.199	0.4884	0.0365	0	0.3001	0.3367
1670	17.2	17.4	0.2891	0	0.2006	0.4898	0.0343	0	0.3211	0.3553
1671	17.1	17.4	0.288	0	0.2008	0.4887	0.0403	0	0.333	0.3733
1672	17.1	17.4	0.286	0	0.2006	0.4866	0.0405	0	0.3302	0.3707
1673	16.9	17.3	0.2844	0	0.2008	0.4852	0.0391	0	0.3305	0.3696
1674	16.7	17.3	0.284	0	0.1993	0.4833	0.039	0	0.3385	0.3775
1675	17.2	17.3	0.2829	0	0.1965	0.4793	0.0375	0	0.3382	0.3757
1676	18.5	17.3	0.2827	0	0.1954	0.4781	0.0395	0	0.3211	0.3606
1677	18.4	17.3	0.2827	0	0.1955	0.4782	0.0455	0	0.3266	0.3721
1678	17.8	17.3	0.2831	0	0.1948	0.4779	0.058	0	0.2994	0.3574
1679	17.6	17.3	0.2833	0	0.1947	0.4779	0.0715	0	0.3172	0.3886
1680	17.5	17.3	0.2834	0	0.1943	0.4777	0.0793	0	0.2849	0.3642
1681	17.2	17.3	0.2857	0	0.1929	0.4786	0.0804	0	0.3142	0.3946
1682	17	17.3	0.2876	0	0.1927	0.4803	0.08	0	0.3192	0.3992
1683	17.2	17.4	0.2874	0	0.1935	0.4809	0.0821	0	0.3152	0.3973
1684	17	17.4	0.2869	0	0.1929	0.4798	0.0845	0	0.3334	0.4178
1685	16.6	17.5	0.2861	0	0.1921	0.4781	0.079	0	0.3741	0.4532
1686	16.6	17.4	0.2865	0	0.1894	0.4759	0.0567	0	0.4234	0.4801
1687	17.5	17.3	0.2863	0	0.1892	0.4755	0.0553	0	0.4272	0.4825
1688	17	17.3	0.2846	0	0.1889	0.4735	0.0483	0	0.4202	0.4685
1689	17.8	17.3	0.2853	0	0.1875	0.4728	0.0732	0	0.3991	0.4722
1690	17.7	17.3	0.286	0	0.1861	0.4722	0.089	0	0.3825	0.4715
1691	17.3	17.3	0.2865	0	0.184	0.4706	0.1015	0	0.4136	0.515
1692	17.6	17.3	0.2862	0	0.1814	0.4676	0.1215	0	0.405	0.5265
1693	17.8	17.3	0.2859	0	0.1791	0.465	0.1362	0	0.3599	0.4961

1694	17.6	17.3	0.2872	0	0.1772	0.4645	0.1373	0	0.3382	0.4755
1695	16.9	17.2	0.2892	0	0.1754	0.4646	0.1352	0	0.3239	0.459
1696	17.4	17.2	0.2904	0	0.1758	0.4662	0.1383	0	0.2838	0.4221
1697	16.7	17.2	0.2897	0	0.1763	0.466	0.1483	0	0.2583	0.4066
1698	17.8	17.1	0.289	0	0.1773	0.4663	0.1532	0	0.2552	0.4084
1699	17.9	17	0.2879	0	0.1806	0.4686	0.1301	0	0.274	0.4041
1700	17.6	16.9	0.2861	0	0.1823	0.4684	0.1051	0	0.307	0.4121
1701	17.2	16.9	0.285	0	0.1817	0.4667	0.1177	0	0.296	0.4137
1702	16.6	16.8	0.2853	0	0.1795	0.4649	0.1245	0	0.2892	0.4136
1703	16.1	16.7	0.2863	0	0.1782	0.4644	0.1179	0	0.3106	0.4285
1704	16.4	16.6	0.2868	0	0.1787	0.4655	0.1115	0	0.3328	0.4443
1705	16.6	16.7	0.2869	0	0.1772	0.4642	0.1072	0	0.3314	0.4386
1706	16.8	16.6	0.2875	0	0.1744	0.4619	0.1046	0	0.3171	0.4217
1707	15.8	16.6	0.2877	0	0.1749	0.4626	0.1067	0	0.278	0.3847
1708	15.8	16.5	0.288	0	0.1755	0.4635	0.0861	0	0.2683	0.3544
1709	16	16.5	0.2886	0	0.1757	0.4643	0.0591	0	0.2779	0.337
1710	15.8	16.4	0.2889	0	0.1754	0.4643	0.057	0	0.2926	0.3496
1711	16.2	16.3	0.2887	0	0.1736	0.4624	0.064	0	0.2905	0.3545
1712	16.2	16.3	0.2882	0	0.1722	0.4604	0.0812	0	0.2637	0.3449
1713	16.4	16.3	0.2876	0	0.1713	0.4589	0.0729	0	0.2846	0.3575
1714	16.9	16.4	0.2873	0	0.1705	0.4578	0.0621	0	0.295	0.3571
1715	16.6	16.4	0.2872	0	0.1713	0.4585	0.0835	0	0.25	0.3335
1716	16.3	16.3	0.2867	0	0.1747	0.4614	0.1128	0	0.2079	0.3208
1717	16.5	16.4	0.2867	0	0.1742	0.4609	0.1598	0	0.1641	0.3239
1718	16.8	16.5	0.2871	0	0.1726	0.4597	0.1994	0	0.1535	0.3529
1719	16.6	16.5	0.2866	0	0.1718	0.4584	0.2099	0	0.1544	0.3643
1720	15.8	16.6	0.2857	0	0.1721	0.4578	0.1999	0	0.1853	0.3851
1721	16	16.7	0.2858	0	0.1725	0.4583	0.1763	0	0.225	0.4013
1722	16.8	16.7	0.2864	0	0.1712	0.4576	0.1436	0	0.2579	0.4016
1723	17.1	16.7	0.2866	0	0.1694	0.4559	0.1038	0	0.2972	0.401
1724	16.8	16.7	0.2864	0	0.1685	0.455	0.0718	0	0.3148	0.3865
1725	16	16.7	0.2867	0	0.1681	0.4548	0.057	0	0.3064	0.3634
1726	16.5	16.7	0.2873	0	0.168	0.4553	0.0486	0	0.2814	0.33
1727	17.4	16.7	0.2866	0	0.1696	0.4562	0.0436	0	0.2753	0.3189
1728	17.4	16.7	0.2865	0	0.1689	0.4555	0.0275	0	0.2962	0.3236
1729	17.6	16.7	0.2866	0	0.1693	0.4559	0.0279	0	0.3058	0.3337
1730	16.9	16.7	0.2861	0	0.1673	0.4534	0.0292	0	0.3081	0.3373

1731	16.6	16.7	0.2857	0	0.1674	0.4531	0.0228	0	0.3126	0.3354
1732	16.9	16.6	0.2855	0	0.1677	0.4532	0.0391	0	0.3131	0.3523
1733	16.9	16.5	0.2852	0	0.1668	0.452	0.0675	0	0.3052	0.3727
1734	16.4	16.4	0.2849	0	0.1654	0.4504	0.0872	0	0.2976	0.3848
1735	16.3	16.3	0.2863	0	0.1636	0.4499	0.0987	0	0.2899	0.3886
1736	16.4	16.3	0.2862	0	0.1637	0.4499	0.1059	0	0.2933	0.3992
1737	16.8	16.2	0.2865	0	0.1638	0.4503	0.1104	0	0.2655	0.3759
1738	16	16.1	0.285	0	0.1667	0.4517	0.1143	0	0.2632	0.3775
1739	16.1	16	0.2843	0	0.1674	0.4518	0.0995	0	0.2656	0.3651
1740	15.8	15.9	0.2826	0	0.1683	0.4509	0.1015	0	0.2652	0.3667
1741	15.3	15.8	0.2803	0	0.1716	0.4519	0.1013	0	0.2667	0.368
1742	15.1	15.8	0.2786	0	0.1742	0.4528	0.104	0	0.2517	0.3556
1743	14.9	15.7	0.2777	0	0.1744	0.4521	0.1008	0	0.2209	0.3218
1744	14.9	15.6	0.277	0	0.1751	0.4521	0.1082	0	0.1993	0.3075
1745	15.3	15.6	0.2764	0	0.1773	0.4537	0.1147	0	0.1796	0.2943
1746	15.8	15.6	0.2751	0	0.1792	0.4542	0.1335	0	0.157	0.2905
1747	16.2	15.5	0.2745	0	0.1806	0.4551	0.1661	0	0.1362	0.3023
1748	15.4	15.5	0.2758	0	0.1793	0.4551	0.1882	0	0.1204	0.3085
1749	15.1	15.5	0.2769	0	0.1769	0.4538	0.2024	0	0.1223	0.3247
1750	15.5	15.5	0.2767	0	0.1762	0.4529	0.2073	0	0.1504	0.3577
1751	15.4	15.5	0.2765	0	0.176	0.4524	0.2063	0	0.1558	0.3622
1752	15.1	15.6	0.2762	0	0.1748	0.451	0.1975	0	0.1518	0.3492
1753	15.5	15.6	0.2758	0	0.1733	0.4492	0.2026	0	0.1309	0.3336
1754	16	15.6	0.2757	0	0.1733	0.449	0.2144	0	0.1181	0.3325
1755	15.7	15.7	0.2756	0	0.1738	0.4494	0.2221	0	0.1249	0.347
1756	15.1	15.7	0.2752	0	0.175	0.4502	0.2257	0	0.1109	0.3366
1757	15.9	15.7	0.2759	0	0.175	0.4509	0.2344	0	0.0823	0.3168
1758	15.8	15.7	0.2762	0	0.1762	0.4524	0.2389	0	0.088	0.3269
1759	16.1	15.8	0.2768	0	0.1754	0.4523	0.2444	0	0.0957	0.34
1760	16.2	15.9	0.277	0	0.1743	0.4513	0.2542	0	0.0987	0.3528
1761	15.8	16	0.277	0	0.1735	0.4505	0.2599	0	0.0971	0.357
1762	15.5	16.1	0.2772	0	0.1729	0.4501	0.2612	0	0.0779	0.3392
1763	15.7	16.1	0.2775	0	0.1729	0.4503	0.2584	0	0.062	0.3204
1764	16.1	16.1	0.2768	0	0.1741	0.4508	0.2544	0	0.0531	0.3075
1765	15.8	16.1	0.2764	0	0.1747	0.4511	0.2538	0	0.0437	0.2975
1766	15.7	16.1	0.2729	0	0.1788	0.4517	0.2555	0	0.0545	0.31
1767	16.5	16.1	0.2697	0	0.1807	0.4504	0.2527	0	0.0948	0.3474

1768	17.3	16.2	0.2684	0	0.1818	0.4502	0.2557	0	0.0905	0.3462
1769	17	16.1	0.2694	0	0.1805	0.4499	0.2642	0	0.0719	0.3362
1770	16.8	16.1	0.2715	0	0.1781	0.4496	0.2614	0	0.0626	0.324
1771	16.7	16.1	0.2736	0	0.175	0.4486	0.2533	0	0.0673	0.3206
1772	16.2	16.1	0.2756	0	0.1709	0.4465	0.2567	0	0.0739	0.3307
1773	16.1	16.1	0.2773	0	0.1693	0.4466	0.2676	0	0.0582	0.3259
1774	15.3	16	0.2783	0	0.1687	0.447	0.274	0	0.0345	0.3085
1775	16	16	0.278	0	0.1683	0.4463	0.2757	0	0.0243	0.3
1776	15.9	16	0.2783	0	0.1679	0.4462	0.2828	0	0.0189	0.3018
1777	16	16	0.28	0	0.1659	0.4458	0.2949	0	0.0179	0.3128
1778	15.7	15.9	0.2803	0	0.1642	0.4445	0.2893	0	0.0394	0.3287
1779	15.8	15.8	0.2804	0	0.1639	0.4442	0.2921	0	0.0312	0.3233
1780	15.7	15.7	0.2811	0	0.1631	0.4441	0.2972	0	0.0367	0.334
1781	15	15.6	0.2817	0	0.1616	0.4434	0.2946	0	0.008	0.3026
1782	15.1	15.6	0.2809	0	0.1621	0.443	0.2925	0	0.0104	0.3029
1783	15.3	15.6	0.2787	0	0.1637	0.4424	0.2952	0	0.0144	0.3095
1784	15.2	15.6	0.2771	0	0.1639	0.441	0.2946	0	0.0012	0.2958
1785	15.9	15.6	0.2755	0	0.1627	0.4382	0.2945	0	-0.019	0.2756
1786	16.4	15.6	0.2755	0	0.1628	0.4383	0.3202	0	-0.0475	0.2727
1787	15.7	15.5	0.2749	0	0.1629	0.4378	0.324	0	-0.0468	0.2772
1788	15.5	15.5	0.2747	0	0.1623	0.437	0.3334	0	-0.0461	0.2873
1789	15.2	15.5	0.2751	0	0.161	0.4361	0.3148	0	0.0004	0.3153
1790	14.6	15.4	0.2759	0	0.1595	0.4354	0.3092	0	0.0122	0.3215
1791	15.5	15.4	0.2761	0	0.1589	0.435	0.2853	0	0.0267	0.3121
1792	16.2	15.4	0.2762	0	0.1593	0.4354	0.2511	0	0.0827	0.3338
1793	16.1	15.4	0.2751	0	0.1592	0.4343	0.2267	0	0.1291	0.3558
1794	15.3	15.3	0.2758	0	0.1593	0.435	0.2144	0	0.1346	0.3489
1795	15.4	15.3	0.2758	0	0.1597	0.4356	0.2054	0	0.1502	0.3556
1796	15.6	15.4	0.2738	0	0.1622	0.436	0.1981	0	0.1932	0.3912
1797	15.5	15.2	0.2709	0	0.1642	0.4352	0.1777	0	0.2309	0.4087
1798	15.2	15.1	0.2688	0	0.1651	0.4339	0.171	0	0.2623	0.4333
1799	14.6	14.8	0.2672	0	0.1656	0.4328	0.1993	0	0.2419	0.4412
1800	14.5	14.5	0.2655	0	0.1667	0.4322	0.2242	0	0.1993	0.4235