

Test Name	OSB, no insulation, rep 3
Cladding	Oriented Strand Board (OSB)
Cladding Thickness [mm]	11
Insulation	No insulation
Insulation Thickness [mm]	
Cavity Width [mm]	
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 alone, with no insulation panel. It is the third repetition of this system configuration.
Experiment Notes	At approximately 10 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]	118
Time to Peak HRR [mins]	9.48
Residual HRR [kW]	6.26
Total HR [MJ]	44.5
Peak dQ/dt [kW/s]	0.612
Time to Peak dQ/dt [s]	9.53

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	-0.221	-0.221	4.0877	-0.0022	-0.0005	4.085	0.1784	-0.0413	-0.0032	0.1339
1	0.274	0.24	4.087	-0.0023	-0.0006	4.0842	0.1958	-0.0428	-0.0049	0.148
2	0.668	0.784	4.0865	-0.0022	-0.0006	4.0837	0.2104	-0.0436	-0.0085	0.1583
3	1.24	1.48	4.0865	-0.0021	-0.0008	4.0836	0.2166	-0.0397	-0.0085	0.1684
4	1.96	2.17	4.0869	-0.0021	-0.001	4.0838	0.2119	-0.0382	-0.0091	0.1646
5	2.77	2.81	4.087	-0.0017	-0.0008	4.0844	0.2049	-0.0347	-0.0117	0.1584
6	3.64	3.35	4.0867	-0.0011	-0.0006	4.0851	0.1977	-0.0272	-0.0123	0.1582
7	4.37	3.86	4.086	-0.0006	-0.0005	4.0849	0.197	-0.0224	-0.0138	0.1609
8	4.82	4.31	4.0857	-0.0004	-0.0005	4.0848	0.197	-0.0183	-0.0154	0.1634
9	5.51	4.7	4.0853	-0.0002	-0.0005	4.0846	0.1791	-0.0152	-0.0166	0.1473
10	5.93	5.12	4.0848	-0.0001	-0.0006	4.0841	0.1628	-0.0201	-0.0142	0.1285
11	6.25	5.53	4.0848	-0.0002	-0.0006	4.084	0.1488	-0.0219	-0.0104	0.1165
12	6.38	5.93	4.0845	0.0001	-0.0007	4.0839	0.1518	-0.0204	-0.0067	0.1247
13	6.93	6.3	4.0845	0	-0.0009	4.0835	0.163	-0.0186	-0.0039	0.1406
14	7.34	6.62	4.0841	0.0001	-0.0012	4.0831	0.1758	-0.0123	-0.0004	0.1631
15	7.62	6.9	4.084	-0.0001	-0.0013	4.0826	0.1959	-0.0077	0.0017	0.1899
16	7.88	7.13	4.0841	-0.0004	-0.0013	4.0824	0.221	-0.0081	-0.0006	0.2123
17	7.97	7.32	4.0842	-0.0004	-0.0014	4.0824	0.2368	-0.0096	-0.0014	0.2258
18	7.94	7.47	4.0845	-0.0004	-0.0014	4.0827	0.2531	-0.0111	0	0.242
19	7.89	7.61	4.0846	-0.0005	-0.0015	4.0826	0.2671	-0.0111	0.0016	0.2576
20	7.97	7.74	4.0839	-0.0008	-0.0015	4.0815	0.2853	-0.0109	0.0017	0.276
21	8.19	7.84	4.0835	-0.001	-0.0014	4.0811	0.2883	-0.011	0.0034	0.2808
22	8.32	7.93	4.0834	-0.001	-0.001	4.0814	0.3096	-0.012	0.005	0.3026
23	8.02	7.99	4.0832	-0.0009	-0.0008	4.0815	0.3365	-0.0133	0.0029	0.3261
24	8.23	8.06	4.0836	-0.0008	-0.0006	4.0822	0.3479	-0.0157	0.0034	0.3356
25	7.98	8.09	4.0834	-0.0008	-0.0007	4.0818	0.3535	-0.0162	0.0041	0.3414
26	7.87	8.1	4.0831	-0.0009	-0.0009	4.0813	0.347	-0.0191	0.0024	0.3304
27	7.79	8.12	4.0827	-0.0009	-0.0011	4.0807	0.3266	-0.0231	-0.0014	0.3021
28	8.01	8.14	4.0822	-0.0008	-0.0012	4.0802	0.308	-0.0249	-0.0035	0.2796

29	8.52	8.17	4.0817	-0.0006	-0.0012	4.0798	0.2804	-0.026	-0.0048	0.2495
30	8.17	8.19	4.0811	-0.0006	-0.0012	4.0793	0.2719	-0.0246	-0.0049	0.2424
31	8.11	8.2	4.0806	-0.0005	-0.0012	4.0789	0.2787	-0.0255	-0.0049	0.2483
32	8.02	8.21	4.0802	-0.0006	-0.0013	4.0783	0.266	-0.0246	-0.005	0.2364
33	8.71	8.22	4.08	-0.0006	-0.0014	4.078	0.2736	-0.0216	0.0004	0.2524
34	8.06	8.24	4.0799	-0.0006	-0.0014	4.0779	0.2973	-0.0222	0.0009	0.276
35	8.09	8.28	4.0797	-0.0008	-0.0016	4.0773	0.318	-0.023	-0.0015	0.2936
36	8.35	8.31	4.0798	-0.0007	-0.0017	4.0773	0.3465	-0.024	-0.0003	0.3222
37	8.41	8.37	4.0797	-0.0009	-0.0017	4.0772	0.3663	-0.0259	0.0024	0.3428
38	8.45	8.4	4.0802	-0.0008	-0.0012	4.0782	0.3787	-0.0277	0.0007	0.3517
39	8.32	8.41	4.0804	-0.0008	-0.0009	4.0787	0.3863	-0.0259	0.001	0.3614
40	8.35	8.44	4.0801	-0.0005	-0.0009	4.0788	0.3935	-0.0242	0.0002	0.3696
41	8.48	8.47	4.0799	-0.0001	-0.001	4.0788	0.3959	-0.0238	-0.0041	0.368
42	8.32	8.52	4.0792	0.0001	-0.0011	4.0782	0.3593	-0.0235	-0.0086	0.3272
43	8.47	8.52	4.0784	0	-0.0015	4.0769	0.2923	-0.0222	-0.0082	0.2619
44	8.85	8.56	4.0779	-0.0005	-0.0019	4.0755	0.2581	-0.022	-0.006	0.2301
45	8.39	8.6	4.0772	-0.0007	-0.0011	4.0754	0.254	-0.0207	-0.0045	0.2288
46	8.94	8.66	4.0774	-0.0008	-0.0006	4.076	0.2745	-0.0175	-0.0035	0.2536
47	8.55	8.68	4.0771	-0.0004	-0.0004	4.0763	0.3011	-0.0151	-0.0051	0.281
48	8.7	8.69	4.0778	-0.0001	-0.0007	4.077	0.3267	-0.0151	-0.0072	0.3043
49	8.77	8.75	4.0788	-0.0002	-0.0005	4.0781	0.3484	-0.0165	-0.0066	0.3253
50	8.77	8.8	4.0778	-0.0001	-0.0004	4.0772	0.3621	-0.0166	-0.0059	0.3395
51	8.81	8.85	4.0768	0	-0.0002	4.0766	0.3871	-0.0169	-0.0014	0.3688
52	8.77	8.91	4.0763	-0.0002	-0.0002	4.0759	0.3957	-0.0142	-0.0029	0.3787
53	8.92	8.98	4.0763	-0.0002	-0.0002	4.0759	0.4004	-0.0109	0.0009	0.3904
54	8.84	9.05	4.0765	-0.0004	0	4.0761	0.4186	-0.0118	0.0009	0.4077
55	9.45	9.13	4.0767	-0.0007	0	4.0759	0.4352	-0.0086	-0.0005	0.4261
56	8.73	9.22	4.0765	-0.001	0.0001	4.0756	0.4482	-0.0022	0.0051	0.4511
57	8.7	9.36	4.0763	-0.0012	0.0002	4.0753	0.4566	0.0011	0.0077	0.4654
58	9.36	9.45	4.0772	-0.0014	0.0003	4.0761	0.4607	0.003	0.008	0.4717
59	9.35	9.6	4.078	-0.0011	0.0002	4.0771	0.4693	0.0049	0.0091	0.4833
60	9.5	9.76	4.0787	-0.0009	-0.0001	4.0777	0.4768	0.0062	0.0119	0.4949
61	9.48	9.92	4.0783	-0.001	-0.0003	4.0771	0.4814	0.0083	0.0121	0.5018
62	9.74	10.1	4.0775	-0.0011	-0.0004	4.0759	0.4918	0.0072	0.012	0.511
63	10.1	10.3	4.0765	-0.0015	-0.0007	4.0743	0.5008	0.0108	0.0117	0.5234
64	9.99	10.4	4.075	-0.0018	-0.0008	4.0724	0.5102	0.0102	0.0106	0.531
65	10.6	10.6	4.0732	-0.0017	-0.0007	4.0708	0.5158	0.0118	0.0082	0.5359

66	11.2	10.8	4.0719	-0.0016	-0.0006	4.0697	0.5227	0.0108	0.0029	0.5364
67	10.5	11	4.0705	-0.0015	-0.0007	4.0683	0.5377	0.0086	0.0018	0.548
68	11.6	11.2	4.0693	-0.0015	-0.0008	4.067	0.5427	0.0079	0.0011	0.5517
69	11.7	11.3	4.0678	-0.0015	-0.0008	4.0655	0.5546	0.0074	0.0024	0.5644
70	11.8	11.5	4.0673	-0.0015	-0.0009	4.0649	0.5645	0.0061	0.0028	0.5734
71	12.1	11.6	4.0655	-0.0014	-0.001	4.063	0.565	0.0032	0.0019	0.5701
72	12.1	11.8	4.0632	-0.0013	-0.0009	4.061	0.5705	0.0027	0.003	0.5763
73	12.2	11.9	4.062	-0.0011	-0.0009	4.06	0.5785	0.0024	0.0079	0.5888
74	12.1	11.9	4.0612	-0.001	-0.001	4.0592	0.5857	0.0024	0.0108	0.5988
75	12.5	12	4.0614	-0.0008	-0.0009	4.0597	0.5966	0.003	0.0135	0.6131
76	12.7	12	4.0626	-0.0005	-0.0006	4.0615	0.5989	0.002	0.0125	0.6135
77	12.9	12.1	4.0637	-0.0003	-0.0004	4.063	0.6107	-0.0006	0.0115	0.6216
78	12.2	12.1	4.0656	-0.0002	-0.0003	4.0651	0.6129	0.0006	0.0117	0.6252
79	12.6	12	4.066	-0.0003	-0.0003	4.0654	0.6116	0.0028	0.0088	0.6232
80	12	12	4.0652	-0.0002	-0.0003	4.0647	0.6174	0.001	0.0059	0.6243
81	12.2	11.9	4.0659	-0.0002	-0.0003	4.0654	0.6226	0	0.0041	0.6267
82	12	11.9	4.065	-0.0005	-0.0007	4.0638	0.6303	0.0028	0.003	0.6361
83	11.8	11.8	4.0628	-0.0004	-0.0008	4.0616	0.6351	0.0019	0.0029	0.6399
84	11.7	11.8	4.0607	-0.0003	-0.0006	4.0598	0.6395	0	-0.0001	0.6394
85	11.5	11.7	4.0579	-0.0002	-0.0007	4.0571	0.6484	0.0001	-0.0013	0.6472
86	11.2	11.7	4.0559	0	-0.0009	4.055	0.6527	-0.0006	-0.0035	0.6486
87	11.6	11.6	4.0544	0.0002	-0.0008	4.0538	0.6576	0.0017	-0.004	0.6553
88	11.7	11.5	4.0534	0	-0.0008	4.0526	0.6662	0.0028	-0.005	0.664
89	11	11.5	4.0523	-0.0001	-0.0007	4.0515	0.6776	0.0042	-0.0009	0.6809
90	10.6	11.4	4.0517	-0.0001	-0.0003	4.0513	0.6916	0.0073	0.0031	0.702
91	11.5	11.4	4.0547	-0.0001	0.0001	4.0547	0.6961	0.0135	0.0052	0.7148
92	11	11.4	4.0606	-0.0002	0.0001	4.0604	0.6978	0.0178	0.0068	0.7224
93	11.3	11.4	4.0635	-0.0002	-0.0001	4.0632	0.6978	0.0197	0.0036	0.7211
94	11.3	11.3	4.0636	-0.0003	-0.0003	4.0631	0.6946	0.0173	-0.0039	0.708
95	11.7	11.3	4.0614	-0.0006	-0.0004	4.0604	0.6958	0.0097	-0.0114	0.6941
96	11.4	11.3	4.0585	-0.0008	-0.0002	4.0575	0.7073	0.0064	-0.0012	0.7126
97	11.3	11.3	4.0557	-0.0008	0	4.055	0.7167	0.0022	0.0053	0.7243
98	11	11.2	4.0533	-0.0006	0	4.0526	0.7229	0.0074	0.0082	0.7385
99	11.6	11.3	4.0515	-0.0006	-0.0001	4.0508	0.7386	0.0114	0.0067	0.7566
100	11.5	11.3	4.049	-0.0005	-0.0004	4.0481	0.7562	0.0095	0.0057	0.7714
101	11.4	11.3	4.0475	-0.0009	-0.0003	4.0463	0.7527	0.0108	0.0033	0.7668
102	11.3	11.3	4.0464	-0.0011	-0.0007	4.0446	0.7542	0.0114	0.0003	0.7658

103	10.7	11.3	4.0447	-0.0009	-0.0009	4.0428	0.7652	0.0087	-0.0007	0.7732
104	11	11.3	4.0434	-0.0012	-0.001	4.0412	0.77	0.0088	0.0033	0.7821
105	11	11.4	4.0421	-0.0015	-0.0013	4.0393	0.7727	0.0101	0.0091	0.7919
106	11.6	11.4	4.0411	-0.0012	-0.0014	4.0385	0.7787	0.0066	0.011	0.7962
107	11.4	11.4	4.04	-0.0009	-0.0013	4.0378	0.7872	0.0042	0.0118	0.8032
108	11.2	11.5	4.0388	-0.0009	-0.0014	4.0365	0.7868	0.0025	0.0104	0.7997
109	11.4	11.6	4.0376	-0.0008	-0.0017	4.0351	0.8039	-0.0022	0.0072	0.8089
110	11.1	11.6	4.0367	-0.0009	-0.0018	4.034	0.8301	0.0001	0.0036	0.8338
111	11.4	11.6	4.0356	-0.0009	-0.0018	4.0329	0.8447	0.0019	0.0023	0.8488
112	11.6	11.6	4.0344	-0.001	-0.0019	4.0315	0.8463	0.0005	0.0028	0.8496
113	12.1	11.7	4.0334	-0.001	-0.002	4.0304	0.8405	0.0012	0.0037	0.8455
114	12.4	11.7	4.0326	-0.0011	-0.002	4.0295	0.838	-0.0025	0.0017	0.8372
115	11.6	11.7	4.0318	-0.0012	-0.0016	4.029	0.8379	-0.0071	-0.0007	0.8301
116	12.4	11.8	4.0303	-0.0013	-0.0015	4.0276	0.8309	-0.0073	-0.0012	0.8225
117	12.4	11.8	4.0299	-0.0012	-0.0015	4.0272	0.8216	-0.0071	-0.0019	0.8126
118	12.2	11.8	4.029	-0.0011	-0.0016	4.0263	0.8093	-0.0071	-0.0039	0.7983
119	12.2	11.8	4.0281	-0.0012	-0.0017	4.0252	0.7961	-0.0081	-0.001	0.7871
120	11.7	11.8	4.0274	-0.0012	-0.0017	4.0245	0.7808	-0.0092	-0.0016	0.77
121	11.5	11.8	4.0265	-0.0013	-0.0017	4.0235	0.7709	-0.0096	-0.0048	0.7565
122	11.5	11.8	4.0256	-0.0012	-0.0018	4.0225	0.732	-0.008	-0.0038	0.7202
123	11.8	11.8	4.0247	-0.0011	-0.0019	4.0217	0.6949	-0.0074	-0.001	0.6865
124	11.9	11.7	4.0239	-0.0011	-0.002	4.0208	0.6831	-0.0065	-0.002	0.6746
125	11.8	11.8	4.0235	-0.001	-0.002	4.0205	0.689	-0.0058	-0.0036	0.6795
126	11.8	11.7	4.0221	-0.0008	-0.0021	4.0192	0.7042	-0.0031	-0.002	0.6991
127	11.6	11.7	4.0214	-0.001	-0.0023	4.0182	0.7006	0.0009	0.0043	0.7059
128	11.3	11.7	4.021	-0.0011	-0.0021	4.0178	0.6913	0.0037	0.0121	0.7071
129	11.2	11.7	4.0199	-0.0007	-0.0018	4.0174	0.7109	0.0059	0.0149	0.7316
130	11	11.7	4.0188	-0.0006	-0.0016	4.0166	0.7425	0.005	0.0187	0.7663
131	11.6	11.7	4.0176	-0.0008	-0.0015	4.0153	0.7741	0.0057	0.0148	0.7946
132	11.8	11.8	4.0167	-0.0008	-0.0016	4.0143	0.8035	0.0038	0.0129	0.8202
133	12.1	11.8	4.0161	-0.0006	-0.0014	4.0141	0.8241	0.0012	0.0081	0.8334
134	12	11.9	4.0151	-0.0006	-0.0013	4.0132	0.8189	0	0.0088	0.8277
135	12.1	12	4.0144	-0.0007	-0.0013	4.0125	0.8207	0.0009	0.0103	0.8318
136	11.9	12.1	4.014	-0.0009	-0.0013	4.0118	0.8194	0.0002	0.0077	0.8272
137	11.6	12.2	4.0131	-0.0011	-0.0012	4.0108	0.8221	0.003	0.0043	0.8294
138	11.6	12.3	4.0125	-0.0013	-0.0011	4.0101	0.829	0.0049	0.0062	0.8402
139	12.1	12.4	4.0113	-0.0015	-0.0012	4.0085	0.8296	0.0017	0.0044	0.8357

140	12.2	12.6	4.0105	-0.0018	-0.0014	4.0073	0.8297	0.002	0.0058	0.8375
141	12.4	12.7	4.0101	-0.0019	-0.0016	4.0066	0.8293	0.0061	0.0109	0.8463
142	12.9	12.8	4.0095	-0.0019	-0.0014	4.0061	0.8664	0.0089	0.0178	0.8931
143	13.3	12.9	4.0089	-0.0017	-0.0011	4.0061	0.946	0.008	0.0157	0.9697
144	13.3	13	4.0083	-0.0015	-0.0007	4.0061	0.9881	0.0077	0.0135	1.0093
145	13.5	13.1	4.0065	-0.0013	-0.001	4.0041	1.0031	0.0072	0.0114	1.0216
146	13.6	13.1	4.0057	-0.001	-0.0011	4.0036	0.9937	0.0086	0.0119	1.0142
147	13.5	13.2	4.0048	-0.0011	-0.0013	4.0025	0.9804	0.0073	0.015	1.0027
148	13.7	13.3	4.0039	-0.0013	-0.0013	4.0014	0.9623	0.0055	0.0152	0.983
149	14	13.4	4.0032	-0.0012	-0.0011	4.001	0.9498	0.0052	0.0144	0.9694
150	13.8	13.4	4.0025	-0.0012	-0.0008	4.0006	0.942	0.005	0.0132	0.9602
151	14	13.5	4.0014	-0.0011	-0.0003	4	0.9329	0.005	0.0113	0.9492
152	13.8	13.5	3.9998	-0.001	-0.0002	3.9986	0.9275	-0.0007	0.008	0.9348
153	13.6	13.5	3.9993	-0.0011	-0.0005	3.9977	0.9383	-0.0019	0.003	0.9393
154	13.4	13.5	3.9992	-0.0014	-0.001	3.9969	0.9352	-0.0006	0.0023	0.9369
155	13.1	13.4	3.9988	-0.0014	-0.0011	3.9963	0.938	-0.0048	0.0037	0.9369
156	13.7	13.4	3.9978	-0.0014	-0.0011	3.9953	0.9348	-0.0072	0.0017	0.9293
157	13.1	13.4	3.9976	-0.0015	-0.0008	3.9953	0.9376	-0.0031	0.0018	0.9363
158	13.2	13.4	3.9968	-0.0012	-0.0004	3.9952	0.9385	0.0035	0.0035	0.9455
159	13.3	13.4	3.995	-0.0011	-0.0002	3.9937	0.9397	0.0089	0.0036	0.9522
160	13.2	13.4	3.9942	-0.0011	-0.0003	3.9928	0.9325	0.012	0.0018	0.9464
161	12.9	13.4	3.9937	-0.0011	-0.0006	3.9921	0.9246	0.0132	0.0002	0.938
162	13.4	13.5	3.9934	-0.0012	-0.0008	3.9914	0.9195	0.0147	0.0009	0.935
163	13.1	13.6	3.9927	-0.0012	-0.0008	3.9906	0.935	0.0151	0.002	0.9521
164	12.7	13.6	3.9912	-0.0011	-0.0007	3.9894	0.9387	0.0119	-0.0001	0.9505
165	13.1	13.7	3.9901	-0.001	-0.0005	3.9885	0.9593	0.0089	-0.0019	0.9664
166	13.3	13.7	3.9897	-0.0009	-0.0004	3.9884	0.9526	0.0076	0.0009	0.9612
167	13.5	13.7	3.9896	-0.0008	-0.0003	3.9885	0.9216	0.007	0.0019	0.9304
168	13.8	13.8	3.9897	-0.0007	-0.0007	3.9883	0.9073	0.01	0.0046	0.9219
169	14.4	13.8	3.9897	-0.0006	-0.0006	3.9885	0.914	0.0121	0.0051	0.9312
170	14.7	13.9	3.9902	-0.0005	-0.0005	3.9892	0.9214	0.0113	0.0039	0.9366
171	15.1	14	3.9923	-0.0006	-0.0007	3.991	0.9352	0.0091	0.0041	0.9484
172	14.9	14	3.9937	-0.0006	-0.0008	3.9923	0.9545	0.0037	0.0024	0.9606
173	14.5	14.1	3.9937	-0.0004	-0.0007	3.9925	0.9641	0.0026	0.0018	0.9686
174	14.2	14.2	3.9923	-0.0005	-0.0006	3.9912	0.9753	0.0028	0.0022	0.9803
175	13.9	14.3	3.9909	-0.0005	-0.0007	3.9898	0.9932	0.005	0.0013	0.9994
176	13.8	14.4	3.9925	-0.0006	-0.001	3.9909	1.0055	0.0036	-0.002	1.0071

177	14.4	14.4	3.9946	-0.0007	-0.0016	3.9923	1.0006	0.0043	-0.0028	1.002
178	13.8	14.5	3.9945	-0.0008	-0.0018	3.9919	1.0102	0.0022	-0.0036	1.0088
179	14.1	14.5	3.9917	-0.0008	-0.0022	3.9888	1.0308	0.0038	0.0007	1.0353
180	14.7	14.5	3.9878	-0.0008	-0.0018	3.9852	1.0368	0.009	0.0037	1.0495
181	14.9	14.4	3.9856	-0.0006	-0.0016	3.9834	1.0475	0.0105	0.0044	1.0624
182	14.6	14.3	3.9826	-0.0006	-0.0015	3.9805	1.0568	0.0086	-0.0007	1.0647
183	14.8	14.3	3.9809	-0.0004	-0.0016	3.9788	1.0703	0.0066	-0.0074	1.0694
184	14.5	14.3	3.9786	-0.0004	-0.0016	3.9767	1.0878	0.007	-0.0069	1.088
185	14.4	14.3	3.976	-0.0002	-0.0014	3.9744	1.1001	0.0043	-0.005	1.0995
186	14.9	14.3	3.9737	-0.0003	-0.0013	3.972	1.1066	0.0009	-0.0046	1.1029
187	15	14.3	3.9715	-0.0003	-0.0014	3.9698	1.1242	-0.0011	-0.0053	1.1178
188	14.4	14.3	3.9704	-0.0001	-0.0012	3.969	1.1366	-0.0043	-0.0054	1.1269
189	14.2	14.3	3.9694	-0.0003	-0.0013	3.9678	1.1512	-0.003	-0.0035	1.1448
190	14	14.2	3.9688	-0.0007	-0.0014	3.9667	1.1387	-0.003	-0.0012	1.1346
191	13.5	14.2	3.968	-0.001	-0.0017	3.9654	1.1243	-0.0037	0.001	1.1215
192	13.4	14.3	3.966	-0.001	-0.0015	3.9635	1.1209	-0.0026	-0.0004	1.1179
193	13.4	14.3	3.9647	-0.001	-0.0015	3.9622	1.1346	-0.001	0.0012	1.1347
194	13.9	14.3	3.9633	-0.001	-0.0014	3.9609	1.152	0.002	0.0056	1.1596
195	14.3	14.4	3.962	-0.0014	-0.0015	3.959	1.1617	0.0034	0.0114	1.1766
196	14.2	14.4	3.9605	-0.0015	-0.0017	3.9573	1.1272	0.0053	0.0096	1.1421
197	13.9	14.5	3.9595	-0.0013	-0.0015	3.9567	1.1144	0.0106	0.0071	1.1322
198	14.1	14.6	3.9583	-0.0012	-0.0015	3.9556	1.1248	0.0082	0.0045	1.1375
199	13.9	14.7	3.9573	-0.0011	-0.0014	3.9548	1.1437	0.0034	0.0018	1.1489
200	14.9	14.8	3.9557	-0.001	-0.0015	3.9532	1.1804	0.0045	0.0041	1.189
201	15.1	15	3.9547	-0.0008	-0.0011	3.9528	1.1895	0.0044	0.0084	1.2023
202	15.3	15.1	3.9526	-0.0009	-0.001	3.9507	1.203	0.0046	0.0137	1.2213
203	15.5	15.3	3.9511	-0.0009	-0.0011	3.9491	1.2204	0.0061	0.0136	1.2401
204	15.5	15.4	3.9496	-0.0007	-0.0013	3.9475	1.257	0.0066	0.012	1.2756
205	15.8	15.6	3.9487	-0.0008	-0.0015	3.9464	1.2953	0.0033	0.0084	1.307
206	15.9	15.8	3.9473	-0.0009	-0.0015	3.9449	1.3254	0.0026	0.006	1.3341
207	16	16	3.9461	-0.0013	-0.0017	3.9432	1.3462	0.0043	0.0062	1.3567
208	16.1	16.1	3.9448	-0.0017	-0.0018	3.9413	1.381	0.0053	0.0063	1.3926
209	16.7	16.4	3.9444	-0.002	-0.0019	3.9405	1.4107	0.0041	0.0106	1.4254
210	16.1	16.6	3.9442	-0.0023	-0.0018	3.9402	1.4132	0.0034	0.0159	1.4325
211	16.1	16.7	3.9437	-0.0024	-0.0019	3.9394	1.4444	0.0079	0.015	1.4673
212	17.1	16.9	3.9409	-0.0025	-0.0021	3.9363	1.4765	0.0088	0.0105	1.4958
213	17	17	3.9396	-0.0022	-0.002	3.9354	1.4999	0.009	0.008	1.517

214	17.1	17.1	3.9366	-0.002	-0.0018	3.9328	1.5215	0.0094	0.009	1.5399
215	17.6	17.2	3.9365	-0.002	-0.0017	3.9328	1.5316	0.0101	0.0119	1.5536
216	17.4	17.2	3.9382	-0.002	-0.0017	3.9345	1.546	0.0109	0.0161	1.573
217	17.6	17.3	3.9391	-0.0022	-0.0019	3.935	1.5693	0.0123	0.0179	1.5996
218	18.3	17.4	3.9376	-0.0024	-0.0022	3.9331	1.5969	0.0117	0.019	1.6276
219	18.4	17.5	3.936	-0.0023	-0.0021	3.9315	1.6263	0.0136	0.0172	1.6571
220	18.3	17.6	3.9339	-0.0021	-0.0021	3.9297	1.6572	0.016	0.0185	1.6917
221	17.9	17.7	3.931	-0.0016	-0.002	3.9274	1.6844	0.0204	0.0223	1.7271
222	18	17.7	3.9291	-0.0015	-0.002	3.9257	1.7152	0.022	0.0203	1.7575
223	17.7	17.8	3.9271	-0.0014	-0.0021	3.9236	1.7699	0.0236	0.019	1.8124
224	16.9	17.9	3.9246	-0.0016	-0.0021	3.9209	1.7918	0.0248	0.0199	1.8365
225	16.9	18	3.9229	-0.0014	-0.0018	3.9197	1.807	0.0206	0.0221	1.8498
226	18.1	18.1	3.922	-0.0013	-0.0018	3.9189	1.8259	0.0173	0.0193	1.8626
227	17.4	18.2	3.9204	-0.0012	-0.0019	3.9173	1.8771	0.0144	0.0146	1.9061
228	18.2	18.3	3.918	-0.0015	-0.0022	3.9143	1.9261	0.0131	0.0097	1.9489
229	18	18.3	3.9162	-0.0016	-0.0022	3.9124	1.9487	0.013	0.0069	1.9686
230	18	18.4	3.9141	-0.0016	-0.002	3.9104	1.9506	0.0123	0.0009	1.9639
231	18	18.6	3.9119	-0.0017	-0.0014	3.9088	1.9426	0.0108	0.0028	1.9563
232	18.6	18.7	3.9096	-0.0014	-0.0008	3.9073	1.9377	0.0158	0.0059	1.9594
233	18.4	18.9	3.9073	-0.0013	-0.0007	3.9053	1.9245	0.0188	0.0049	1.9482
234	18.9	19.2	3.905	-0.0011	-0.0008	3.9032	1.9329	0.021	0.0045	1.9584
235	19.4	19.4	3.9038	-0.0008	-0.0008	3.9022	1.9469	0.0228	0.0049	1.9745
236	20	19.6	3.9016	-0.0008	-0.0008	3.9	1.9485	0.0196	0.0034	1.9715
237	19.9	19.9	3.8995	-0.0007	-0.0006	3.8981	1.9457	0.0164	0.0022	1.9644
238	19.1	20.1	3.8974	-0.001	-0.0008	3.8957	1.9799	0.0135	-0.0006	1.9928
239	20.5	20.3	3.8974	-0.0013	-0.0011	3.895	2.0052	0.0136	0.0021	2.0208
240	20.6	20.6	3.8981	-0.0015	-0.0015	3.8952	2.0137	0.0117	0.0034	2.0289
241	20.8	20.8	3.898	-0.0016	-0.0016	3.8948	2.0206	0.0097	0.0023	2.0326
242	21.3	21	3.896	-0.0018	-0.0016	3.8927	2.0139	0.0053	-0.0065	2.0127
243	21.8	21.2	3.8937	-0.0019	-0.0017	3.8901	2.0136	0.004	-0.0093	2.0083
244	21.9	21.5	3.8921	-0.0018	-0.0019	3.8884	2.0506	0.0043	-0.0112	2.0437
245	22.1	21.7	3.8938	-0.0019	-0.002	3.8899	2.0896	0.0038	-0.011	2.0824
246	21.7	21.9	3.8943	-0.0021	-0.0018	3.8904	2.0952	0.003	-0.0111	2.0871
247	22.8	22.1	3.8924	-0.0019	-0.0017	3.8887	2.0807	0.0083	-0.0082	2.0807
248	22.5	22.4	3.8896	-0.0016	-0.0015	3.8865	2.1171	0.0133	-0.0008	2.1296
249	22.9	22.6	3.8852	-0.0016	-0.0015	3.8821	2.1429	0.0155	0.003	2.1614
250	22.9	22.9	3.8835	-0.0016	-0.0016	3.8803	2.1776	0.015	0.0068	2.1994

251	22.1	23.1	3.8811	-0.0016	-0.0016	3.8778	2.2047	0.0099	0.0092	2.2238
252	22.4	23.4	3.8777	-0.0016	-0.0015	3.8745	2.2303	0.0118	0.0149	2.257
253	23.3	23.6	3.8736	-0.0017	-0.0017	3.8701	2.2567	0.0106	0.0161	2.2835
254	23.5	23.8	3.8697	-0.0017	-0.0018	3.8662	2.2819	0.0133	0.0145	2.3097
255	23.9	24	3.8663	-0.0017	-0.0017	3.8629	2.3164	0.0148	0.0099	2.341
256	24.1	24.2	3.8632	-0.0018	-0.0017	3.8596	2.3444	0.0135	0.009	2.3669
257	23.9	24.4	3.8595	-0.002	-0.0015	3.8561	2.3642	0.0116	0.0124	2.3882
258	25.1	24.6	3.8557	-0.0016	-0.0015	3.8527	2.3822	0.0106	0.0151	2.4078
259	25.8	24.8	3.8536	-0.0014	-0.0018	3.8504	2.4108	0.0047	0.0052	2.4208
260	25.4	25.1	3.8498	-0.0019	-0.0018	3.8461	2.4347	0.0022	0.0026	2.4395
261	26.2	25.4	3.846	-0.0019	-0.0016	3.8425	2.479	0.0004	0.0106	2.49
262	25.4	25.7	3.8434	-0.0021	-0.0016	3.8397	2.5163	0.0057	0.0139	2.5358
263	25.7	26	3.8405	-0.0022	-0.0017	3.8366	2.5181	0.005	0.0092	2.5322
264	26.2	26.3	3.8381	-0.0021	-0.0019	3.8341	2.5442	0.0048	0.0127	2.5617
265	26.2	26.7	3.8355	-0.0021	-0.0021	3.8312	2.5457	0.0037	0.0115	2.5608
266	26.2	27	3.8328	-0.0021	-0.0022	3.8284	2.588	0.002	0.014	2.604
267	26.3	27.3	3.8299	-0.002	-0.0022	3.8257	2.6422	0.0004	0.013	2.6557
268	27.2	27.6	3.8271	-0.002	-0.0024	3.8226	2.696	-0.0013	0.0089	2.7036
269	27.9	27.8	3.824	-0.0022	-0.0025	3.8193	2.717	-0.001	0.0025	2.7185
270	27.7	28.1	3.8217	-0.0026	-0.0027	3.8165	2.744	-0.0012	0.0002	2.7429
271	27.9	28.3	3.8207	-0.0028	-0.0027	3.8152	2.7724	0.0013	0.001	2.7748
272	29	28.6	3.8167	-0.0029	-0.0027	3.8111	2.7875	0.0087	0.0017	2.798
273	29.9	28.8	3.8145	-0.0029	-0.0027	3.8089	2.804	0.011	0.0012	2.8161
274	30.4	29.1	3.8116	-0.0025	-0.0029	3.8063	2.8325	0.0092	0.0037	2.8454
275	30.2	29.4	3.8084	-0.0022	-0.0026	3.8035	2.8583	0.009	0.007	2.8744
276	29.9	29.7	3.8048	-0.002	-0.0025	3.8003	2.8916	0.0112	0.0096	2.9124
277	30.6	30	3.802	-0.002	-0.0026	3.7974	2.9196	0.0133	0.005	2.9378
278	30.6	30.4	3.7996	-0.0021	-0.0025	3.795	2.9553	0.0143	-0.0015	2.9681
279	30.6	30.6	3.7967	-0.002	-0.0023	3.7924	2.9783	0.0113	-0.0057	2.9839
280	30.2	30.9	3.7935	-0.0019	-0.0021	3.7896	3.0011	0.0107	-0.0058	3.0061
281	29.8	31.1	3.7918	-0.0022	-0.0022	3.7874	3.0142	0.013	-0.0059	3.0212
282	31.2	31.3	3.7902	-0.0025	-0.002	3.7857	3.0135	0.0118	0.0002	3.0255
283	30.3	31.6	3.7876	-0.0025	-0.0021	3.783	3.0115	0.0108	0.0084	3.0308
284	32.2	31.9	3.784	-0.0027	-0.0021	3.7792	3.0205	0.0083	0.011	3.0397
285	32.4	32.2	3.7812	-0.0022	-0.0018	3.7772	3.0486	0.0095	0.0102	3.0682
286	33	32.5	3.7791	-0.002	-0.0016	3.7756	3.0963	0.011	0.01	3.1173
287	33	32.8	3.7735	-0.0017	-0.0013	3.7705	3.1292	0.0092	0.011	3.1493

288	32	33.1	3.7699	-0.0015	-0.0014	3.767	3.152	0.0098	0.0149	3.1767
289	33.1	33.4	3.768	-0.0015	-0.0016	3.7649	3.1907	0.0096	0.0134	3.2137
290	32.8	33.8	3.7667	-0.0017	-0.0016	3.7634	3.2228	0.0083	0.0088	3.2399
291	33	34.2	3.7667	-0.0015	-0.001	3.7641	3.2433	0.0058	0.0048	3.2539
292	35.3	34.6	3.7646	-0.0014	-0.0006	3.7626	3.2624	0.004	0.0047	3.2711
293	36.1	35	3.7596	-0.0014	-0.0003	3.7579	3.2831	-0.0006	0.0037	3.2862
294	36.3	35.3	3.7543	-0.0014	-0.0003	3.7526	3.3164	0.0004	-0.0001	3.3168
295	35.3	35.6	3.7525	-0.0017	-0.0004	3.7503	3.3624	0.0021	-0.0031	3.3614
296	35	35.9	3.7524	-0.0024	-0.0009	3.7492	3.4581	0.0001	-0.0043	3.4538
297	36.5	36.2	3.7478	-0.0027	-0.0014	3.7437	3.5274	-0.0033	-0.0034	3.5207
298	36.2	36.5	3.744	-0.0027	-0.0018	3.7395	3.5742	0.0001	-0.0021	3.5722
299	38	36.8	3.7396	-0.0026	-0.0021	3.7349	3.5938	0.0048	-0.0008	3.5978
300	37.9	37.2	3.7352	-0.002	-0.0024	3.7308	3.6083	0.0022	-0.0002	3.6103
301	39.3	37.5	3.7317	-0.002	-0.0026	3.7271	3.6432	0.001	-0.0022	3.642
302	37.4	37.6	3.7269	-0.002	-0.0026	3.7224	3.6677	0	-0.0029	3.6648
303	38.5	37.8	3.7229	-0.0022	-0.0026	3.7182	3.6901	-0.0007	-0.0061	3.6833
304	38	37.8	3.7179	-0.0022	-0.0023	3.7134	3.7255	-0.0029	-0.0121	3.7105
305	38.4	38.1	3.7142	-0.0022	-0.0024	3.7097	3.7242	-0.0006	-0.0157	3.708
306	37.8	38.3	3.7109	-0.002	-0.0028	3.7061	3.7489	-0.0005	-0.0156	3.7329
307	38.7	38.5	3.7079	-0.0023	-0.0032	3.7024	3.7674	-0.0019	-0.0155	3.75
308	38.8	38.8	3.7037	-0.0022	-0.0023	3.6992	3.7621	-0.0006	-0.0125	3.749
309	40	38.9	3.7009	-0.0023	-0.0021	3.6965	3.7753	0.0057	-0.0106	3.7704
310	38.4	39	3.6963	-0.0023	-0.0029	3.6912	3.8015	0.0116	-0.0107	3.8024
311	38	38.9	3.692	-0.003	-0.0033	3.6858	3.8167	0.0121	-0.0074	3.8214
312	39.3	38.9	3.6891	-0.003	-0.003	3.6831	3.8384	0.0118	-0.0032	3.847
313	37.6	39	3.6851	-0.0027	-0.0033	3.6792	3.8722	0.0107	-0.0013	3.8816
314	39.8	39	3.6821	-0.0024	-0.0029	3.6768	3.8901	0.0061	0.0018	3.898
315	38.8	38.9	3.6777	-0.0022	-0.0031	3.6724	3.901	0.0044	0.002	3.9074
316	40.2	39.1	3.6739	-0.002	-0.003	3.6689	3.8911	0.0038	0.0005	3.8954
317	41.5	39.1	3.6695	-0.0021	-0.0028	3.6646	3.886	0.0026	0.0003	3.8889
318	40.1	39.2	3.6659	-0.0022	-0.0024	3.6613	3.8675	0.0047	0.0026	3.8748
319	39.6	39.2	3.6616	-0.0022	-0.0022	3.6573	3.899	0.0059	0.0042	3.909
320	38.8	39.2	3.6566	-0.0022	-0.0022	3.6522	3.9369	0.0067	0.0071	3.9507
321	37.6	39.5	3.6523	-0.0025	-0.0021	3.6476	3.9858	0.0045	0.0041	3.9945
322	39.5	39.7	3.6487	-0.0026	-0.0021	3.644	4.0276	0.005	0.002	4.0346
323	38.2	39.9	3.6439	-0.0023	-0.0025	3.6391	4.0502	0.0049	0.0058	4.0609
324	37	40.2	3.6388	-0.0025	-0.0028	3.6335	4.0809	0.0055	0.0108	4.0973

325	40.7	40.5	3.6338	-0.0025	-0.0028	3.6285	4.1264	0.007	0.0077	4.1412
326	39.9	40.7	3.6301	-0.0026	-0.0023	3.6252	4.1529	0.0047	0.007	4.1646
327	39.7	40.9	3.6248	-0.0026	-0.0018	3.6205	4.1668	0.0099	0.0098	4.1865
328	39.4	41.2	3.6201	-0.0026	-0.0016	3.6159	4.1978	0.0105	0.0038	4.2121
329	39.9	41.4	3.6161	-0.0027	-0.0016	3.6118	4.229	0.0065	-0.0014	4.2341
330	42.3	41.8	3.6127	-0.0029	-0.0015	3.6083	4.2633	0.0057	-0.0013	4.2676
331	43.3	42.2	3.6105	-0.0028	-0.0015	3.6062	4.2791	0.0087	-0.0013	4.2865
332	42.8	42.7	3.6085	-0.0025	-0.0017	3.6043	4.2954	0.0074	-0.0026	4.3002
333	43.9	43.2	3.6052	-0.0021	-0.0018	3.6013	4.337	0.0058	0.0034	4.3462
334	44.3	43.7	3.6002	-0.002	-0.0018	3.5964	4.3722	0.0026	0.0071	4.3819
335	45.4	44.2	3.5942	-0.0019	-0.0018	3.5904	4.3825	-0.003	0.0089	4.3884
336	44.2	44.7	3.5887	-0.0017	-0.0019	3.5851	4.405	0.0012	0.0097	4.4159
337	45.9	45.2	3.5843	-0.0017	-0.0021	3.5805	4.4511	0.0053	0.0115	4.4678
338	44	45.6	3.5783	-0.0019	-0.0021	3.5743	4.4661	0.0131	0.0139	4.4931
339	45.5	46	3.5751	-0.0021	-0.002	3.571	4.473	0.0293	0.0137	4.516
340	46.3	46.3	3.5738	-0.002	-0.0019	3.5698	4.502	0.0318	0.0125	4.5462
341	48.3	46.7	3.5718	-0.002	-0.0021	3.5677	4.5169	0.0249	0.0112	4.553
342	47.9	47	3.5677	-0.0017	-0.0019	3.564	4.5553	0.0244	0.014	4.5937
343	47.1	47.4	3.5621	-0.0019	-0.0017	3.5585	4.583	0.0235	0.0124	4.619
344	49.1	47.7	3.5559	-0.002	-0.0016	3.5523	4.5916	0.0183	0.0115	4.6214
345	49.4	48	3.548	-0.0019	-0.0015	3.5445	4.5948	0.0155	0.012	4.6223
346	49	48.4	3.5415	-0.0017	-0.0015	3.5383	4.6209	0.0119	0.0125	4.6453
347	47.4	48.8	3.535	-0.0019	-0.0015	3.5315	4.6732	0.0055	0.0113	4.69
348	48.7	49.3	3.5302	-0.0021	-0.0014	3.5267	4.6642	0.0031	0.0045	4.6718
349	48	49.8	3.5243	-0.0018	-0.0015	3.521	4.6827	0.0005	-0.0031	4.6802
350	49.8	50.1	3.5192	-0.0017	-0.0014	3.5161	4.6932	0.0001	-0.0042	4.689
351	49.7	50.3	3.5143	-0.0016	-0.0014	3.5114	4.7003	0.008	-0.0012	4.707
352	50.4	50.7	3.5087	-0.0016	-0.0009	3.5062	4.7407	0.0101	0.0021	4.7528
353	49.5	51.2	3.501	-0.0015	-0.0005	3.4991	4.7326	0.0104	0.0021	4.7451
354	51.3	51.8	3.4973	-0.0016	-0.0002	3.4954	4.7475	0.0091	-0.0039	4.7527
355	52.8	52.2	3.4914	-0.0016	-0.0001	3.4896	4.7514	0.0136	-0.0048	4.7602
356	53.7	52.6	3.4864	-0.0017	-0.0001	3.4846	4.7607	0.0166	-0.004	4.7733
357	53.4	53.1	3.4833	-0.0019	-0.0002	3.4812	4.7751	0.0186	-0.0074	4.7863
358	54.4	53.7	3.4782	-0.0021	-0.0004	3.4756	4.7869	0.0143	-0.0128	4.7885
359	52.5	54.2	3.4735	-0.0026	-0.0007	3.4702	4.7827	0.0154	-0.0059	4.7923
360	52	54.8	3.4681	-0.0031	-0.001	3.4639	4.7977	0.0148	-0.0023	4.8102
361	54.3	55.3	3.4622	-0.0031	-0.0013	3.4578	4.8194	0.0125	-0.0111	4.8209

362	58.1	55.8	3.4562	-0.0032	-0.0015	3.4515	4.8469	0.0038	-0.01	4.8407
363	59	56.4	3.4515	-0.0028	-0.0019	3.4468	4.878	0.004	-0.0061	4.8759
364	56.9	56.9	3.448	-0.0025	-0.0021	3.4433	4.8972	0.0093	-0.0086	4.8979
365	57.3	57.3	3.4464	-0.0025	-0.0022	3.4417	4.8991	0.0103	-0.0065	4.9029
366	57.7	57.7	3.4442	-0.0024	-0.0022	3.4396	4.9077	0.0125	-0.0109	4.9093
367	59.1	58	3.4432	-0.0024	-0.0025	3.4383	4.9251	0.0147	-0.0107	4.9291
368	58.7	58.1	3.4372	-0.0026	-0.0028	3.4317	4.9485	0.0106	-0.0089	4.9502
369	60.1	58.3	3.4303	-0.0029	-0.0032	3.4242	4.977	0.0077	-0.0024	4.9824
370	59.9	58.6	3.4232	-0.003	-0.0031	3.417	4.9819	0.0079	0.0039	4.9937
371	60.4	58.7	3.418	-0.0033	-0.0029	3.4118	4.9861	0.0092	0.0067	5.002
372	59.8	58.7	3.4117	-0.0034	-0.0033	3.405	4.9965	0.0064	0.0074	5.0103
373	61.8	58.6	3.4064	-0.0035	-0.0038	3.3991	5.0157	0.0043	0.0056	5.0255
374	59.9	58.5	3.399	-0.0032	-0.0036	3.3921	5.0087	0.006	0.0037	5.0184
375	61.4	58.5	3.3931	-0.0027	-0.0033	3.3871	5.0082	0.004	0.0001	5.0124
376	58.6	58.5	3.3882	-0.003	-0.0035	3.3817	5.0148	0.0067	-0.0014	5.02
377	56.6	58.4	3.3822	-0.003	-0.003	3.3762	5.0184	0.007	0.005	5.0305
378	56.7	58.5	3.3767	-0.0027	-0.0023	3.3716	5.0373	0.007	0.0084	5.0527
379	57.3	58.5	3.3704	-0.0026	-0.0021	3.3656	5.0371	0.0069	0.0089	5.0529
380	56.4	58.6	3.3656	-0.0027	-0.0019	3.3609	5.0458	0.0048	0.0109	5.0616
381	57.4	58.8	3.3623	-0.003	-0.0019	3.3574	5.0593	0.002	0.0137	5.075
382	56.6	59.1	3.3565	-0.0031	-0.0024	3.3511	5.0984	0.0026	0.0135	5.1144
383	56.1	59.2	3.3504	-0.0028	-0.0028	3.3448	5.1504	0.0082	0.006	5.1646
384	56.9	59.3	3.3457	-0.0024	-0.003	3.3404	5.1959	0.0122	-0.0009	5.2072
385	58.3	59.4	3.3407	-0.0023	-0.0028	3.3356	5.2041	0.013	-0.0009	5.2162
386	57.5	59.6	3.334	-0.0025	-0.0027	3.3288	5.1979	0.0151	0.0019	5.2149
387	59.6	59.9	3.3269	-0.003	-0.0027	3.3212	5.2177	0.0185	0.0014	5.2377
388	59.7	60	3.3226	-0.0044	-0.0028	3.3154	5.2436	0.0213	-0.0025	5.2624
389	62.2	60.2	3.3178	-0.0046	-0.0029	3.3103	5.2481	0.0198	-0.0054	5.2625
390	65.1	60.3	3.315	-0.0042	-0.0028	3.3081	5.278	0.0191	-0.003	5.2941
391	64.4	60.3	3.3111	-0.004	-0.0024	3.3047	5.3209	0.0185	-0.0035	5.3359
392	63.2	60.5	3.3063	-0.0038	-0.0018	3.3007	5.3714	0.0188	-0.0028	5.3874
393	62.9	60.6	3.3005	-0.0032	-0.0015	3.2957	5.3602	0.025	-0.0032	5.3821
394	63	60.8	3.2949	-0.003	-0.0015	3.2904	5.3615	0.0271	0	5.3886
395	62.7	60.8	3.2904	-0.0029	-0.0017	3.2858	5.369	0.0307	0.0035	5.4031
396	61.5	60.9	3.2851	-0.0029	-0.002	3.2802	5.3498	0.0298	0.004	5.3837
397	59.6	60.9	3.2814	-0.003	-0.0019	3.2765	5.3536	0.0307	0.0055	5.3897
398	60.8	61	3.2757	-0.0028	-0.0015	3.2715	5.3378	0.0266	0.0065	5.3709

399	57.4	61	3.2703	-0.0026	-0.0017	3.266	5.342	0.0213	0.0072	5.3705
400	59.1	60.8	3.2652	-0.0028	-0.0023	3.2601	5.3295	0.0228	0.0088	5.3612
401	60.2	60.6	3.2576	-0.003	-0.0028	3.2518	5.3395	0.0179	0.0118	5.3692
402	58.1	60.5	3.2537	-0.003	-0.0028	3.2479	5.3539	0.017	0.0108	5.3817
403	59.3	60.3	3.2482	-0.0031	-0.0022	3.2429	5.3415	0.0165	0.0102	5.3682
404	59.7	60.1	3.2428	-0.0036	-0.0019	3.2374	5.3312	0.0155	0.0138	5.3605
405	59.5	59.9	3.2382	-0.0038	-0.002	3.2323	5.339	0.0148	0.0178	5.3715
406	59.3	59.7	3.2334	-0.0039	-0.002	3.2274	5.3375	0.0166	0.02	5.3741
407	60.7	59.6	3.2292	-0.0037	-0.0019	3.2236	5.3601	0.0139	0.0225	5.3965
408	62.1	59.5	3.2255	-0.0038	-0.0017	3.22	5.3891	0.0083	0.0221	5.4195
409	62.1	59.5	3.2211	-0.0037	-0.0019	3.2155	5.3987	0.0043	0.0207	5.4237
410	60.7	59.5	3.2144	-0.0035	-0.0018	3.2091	5.4234	-0.0015	0.0162	5.4381
411	60.6	59.6	3.2074	-0.0033	-0.0023	3.2017	5.4254	-0.01	0.0076	5.423
412	59.3	59.7	3.2013	-0.0034	-0.0024	3.1955	5.4281	-0.0115	0.0005	5.417
413	59.5	59.8	3.1954	-0.0036	-0.0024	3.1894	5.4289	-0.0101	-0.0036	5.4152
414	58.4	59.8	3.1922	-0.0034	-0.0023	3.1865	5.4655	-0.0033	-0.0074	5.4547
415	57.9	59.8	3.1869	-0.0034	-0.002	3.1815	5.4901	0.0016	-0.0083	5.4834
416	58.3	59.8	3.1814	-0.0035	-0.0019	3.176	5.5451	0.0041	-0.0108	5.5384
417	57.6	59.9	3.1747	-0.0032	-0.0019	3.1696	5.5967	0.005	-0.0113	5.5904
418	57.5	60	3.1682	-0.003	-0.0022	3.1631	5.634	0.0056	-0.0096	5.6299
419	59.4	60	3.1634	-0.0029	-0.0025	3.1579	5.6401	0.0027	-0.0143	5.6286
420	61.9	60.1	3.158	-0.0031	-0.0029	3.152	5.6303	0.0017	-0.0171	5.6148
421	61	60.2	3.1526	-0.0031	-0.0029	3.1466	5.6342	0.0008	-0.0159	5.619
422	60.8	60.3	3.1472	-0.003	-0.0027	3.1415	5.6332	-0.002	-0.0127	5.6185
423	59.7	60.4	3.143	-0.0029	-0.0028	3.1372	5.6447	-0.0018	-0.0134	5.6295
424	59.3	60.6	3.1379	-0.0029	-0.0028	3.1322	5.6541	-0.0004	-0.0168	5.6369
425	59.9	60.9	3.1323	-0.0032	-0.0026	3.1265	5.6301	0.0022	-0.0111	5.6212
426	62.8	61.1	3.1282	-0.0033	-0.0028	3.1221	5.6323	0.0076	-0.0066	5.6333
427	62.7	61.4	3.1211	-0.0033	-0.0026	3.1152	5.6482	0.0056	-0.0093	5.6445
428	62.7	61.7	3.1164	-0.0033	-0.0025	3.1106	5.6592	0.0048	-0.0026	5.6614
429	62.7	62	3.1116	-0.0032	-0.0027	3.1056	5.6727	0.0099	0.0005	5.6831
430	62.1	62.1	3.1067	-0.0031	-0.0028	3.1008	5.7166	0.012	0.0017	5.7303
431	61.7	62.3	3.1007	-0.0031	-0.0028	3.0948	5.6933	0.0117	0.0067	5.7118
432	61.1	62.5	3.0934	-0.0033	-0.0023	3.0878	5.7399	0.0065	0.0089	5.7553
433	62.7	62.8	3.0856	-0.0034	-0.0017	3.0806	5.751	0.0051	0.0023	5.7583
434	63.1	63.1	3.0798	-0.0033	-0.0017	3.0748	5.7627	0.0139	-0.0028	5.7738
435	62.8	63.4	3.0744	-0.0034	-0.002	3.0689	5.7868	0.0195	-0.0043	5.802

436	62.8	63.5	3.0669	-0.0036	-0.002	3.0613	5.8002	0.018	-0.0025	5.8156
437	63.7	63.6	3.0599	-0.0038	-0.0018	3.0542	5.8124	0.0182	-0.0008	5.8299
438	63.6	63.8	3.0535	-0.0039	-0.0015	3.048	5.8177	0.0166	-0.0034	5.8309
439	65.4	63.9	3.0473	-0.004	-0.0017	3.0416	5.8508	0.0023	-0.006	5.8471
440	63.3	64.1	3.0417	-0.0039	-0.0016	3.0362	5.8797	0.0003	-0.0075	5.8725
441	65.2	64.4	3.0346	-0.0039	-0.0018	3.0289	5.9235	0.0047	-0.008	5.9202
442	64.7	64.9	3.0317	-0.0042	-0.0016	3.0258	5.9403	0.004	-0.0053	5.939
443	64.9	65.2	3.0259	-0.0046	-0.0017	3.0196	5.9609	0.008	-0.0017	5.9673
444	65.8	65.4	3.019	-0.0051	-0.0019	3.012	5.9794	0.0147	0.0019	5.996
445	65.8	65.7	3.013	-0.0049	-0.0019	3.0062	5.9906	0.0175	-0.0019	6.0062
446	64.9	66	3.0062	-0.0048	-0.002	2.9993	6.0285	0.0166	-0.0067	6.0384
447	65.4	66.4	3.0012	-0.0046	-0.0022	2.9944	6.0583	0.0169	-0.0067	6.0685
448	65	66.9	2.996	-0.0042	-0.0021	2.9896	6.1295	0.0154	-0.0074	6.1375
449	65.9	67.2	2.9914	-0.0041	-0.0024	2.9849	6.1451	0.0177	-0.0222	6.1405
450	68.2	67.5	2.9853	-0.0035	-0.0026	2.9792	6.1755	0.0169	-0.0257	6.1667
451	69.3	67.6	2.9789	-0.0033	-0.0024	2.9732	6.2011	0.015	-0.0314	6.1847
452	69.4	67.9	2.9745	-0.0032	-0.0019	2.9694	6.2031	0.013	-0.0365	6.1795
453	66.6	68.2	2.9679	-0.003	-0.0019	2.963	6.2458	0.013	-0.0367	6.2221
454	69.1	68.5	2.9634	-0.0031	-0.002	2.9582	6.26	0.0119	-0.0274	6.2445
455	68.7	68.7	2.9576	-0.0033	-0.0021	2.9522	6.2816	0.006	-0.0233	6.2643
456	71.1	69.1	2.9504	-0.003	-0.0024	2.945	6.309	0.0028	-0.0258	6.2861
457	72.3	69.5	2.9444	-0.0027	-0.0024	2.9392	6.3361	0.0044	-0.0265	6.314
458	71.5	69.9	2.9383	-0.0026	-0.0025	2.9333	6.3579	0.0074	-0.0212	6.3441
459	68	70.3	2.9312	-0.0024	-0.0023	2.9264	6.3992	0.0054	-0.0219	6.3827
460	68.4	70.7	2.9256	-0.0021	-0.0018	2.9216	6.4313	0.0036	-0.0261	6.4087
461	69.2	70.8	2.9194	-0.002	-0.0013	2.9161	6.4699	0.004	-0.0273	6.4467
462	71.5	71.1	2.9133	-0.0022	-0.0011	2.91	6.6966	0.0023	-0.1	6.5989
463	71.7	71.7	2.905	-0.0024	-0.0012	2.9014	6.8277	0.0001	-0.3543	6.4734
464	69.4	72.2	2.8989	-0.0027	-0.0013	2.895	6.855	-0.0006	-0.35	6.5045
465	72.7	72.8	2.8918	-0.0029	-0.0011	2.8878	6.8953	0.004	-0.3472	6.5521
466	72.9	73.3	2.8845	-0.0029	-0.0011	2.8805	6.9202	0.0023	-0.3414	6.5811
467	72.3	73.8	2.8798	-0.003	-0.0015	2.8753	6.9483	0.0027	-0.3411	6.6099
468	73.8	74.1	2.8732	-0.0029	-0.0014	2.8688	6.9671	0.0058	-0.341	6.6318
469	74.9	74.7	2.8673	-0.003	-0.0015	2.8627	6.9987	0.0072	-0.3397	6.6662
470	72.6	75.3	2.8597	-0.0031	-0.0015	2.8551	7.0233	0.0124	-0.3417	6.694
471	74.3	75.8	2.8547	-0.0031	-0.0016	2.8499	7.048	0.0085	-0.3464	6.7101
472	78.2	76.1	2.8472	-0.0032	-0.0019	2.8421	7.0798	0.0077	-0.3522	6.7353

473	79.1	76.6	2.841	-0.0034	-0.0021	2.8354	7.1293	0.0137	-0.3525	6.7905
474	80.3	77.2	2.836	-0.0034	-0.0025	2.83	7.1462	0.0131	-0.3541	6.8052
475	80.6	77.6	2.8298	-0.0035	-0.0026	2.8237	7.1867	0.0167	-0.3501	6.8533
476	80.5	78.1	2.8233	-0.0036	-0.0025	2.8172	7.2136	0.0127	-0.3489	6.8774
477	77.9	78.5	2.8163	-0.0035	-0.0027	2.81	7.2681	0.0127	-0.3533	6.9275
478	79.1	78.8	2.8095	-0.0037	-0.0024	2.8033	7.2797	0.0131	-0.3519	6.9409
479	80.3	79.2	2.7987	-0.0038	-0.0023	2.7926	7.3383	0.0142	-0.3489	7.0036
480	77.6	79.8	2.7962	-0.0039	-0.0026	2.7898	7.3866	0.014	-0.3466	7.054
481	78.7	80.1	2.7883	-0.0036	-0.0028	2.7819	7.418	0.0169	-0.3475	7.0875
482	80.2	80.3	2.7814	-0.0036	-0.0026	2.7752	7.4363	0.019	-0.346	7.1093
483	80.3	80.7	2.7741	-0.0042	-0.0025	2.7674	7.443	0.0166	-0.3376	7.122
484	81.5	80.9	2.767	-0.0043	-0.0025	2.7602	7.4433	0.0165	-0.3303	7.1295
485	80.9	81.1	2.7606	-0.0041	-0.0025	2.754	7.4872	0.0161	-0.331	7.1723
486	81	81.3	2.7527	-0.0043	-0.0026	2.7458	7.5142	0.011	-0.332	7.1932
487	78.7	81.7	2.7452	-0.0046	-0.0024	2.7381	7.5278	0.0083	-0.3343	7.2018
488	83.2	82.3	2.7375	-0.0046	-0.0022	2.7307	7.5378	0.0006	-0.3368	7.2016
489	84.2	82.8	2.7298	-0.0047	-0.0021	2.723	7.5724	-0.0012	-0.338	7.2332
490	80.2	83.6	2.7227	-0.0046	-0.002	2.7161	7.5961	-0.0022	-0.3364	7.2576
491	80.7	84.3	2.7171	-0.0044	-0.0019	2.7108	7.6406	0.0016	-0.3325	7.3097
492	86.8	85	2.7102	-0.0046	-0.0016	2.704	7.6694	0.0028	-0.3316	7.3406
493	84.8	85.8	2.7025	-0.0047	-0.0017	2.6961	7.7202	0.0014	-0.3306	7.391
494	83.8	86.7	2.6958	-0.0047	-0.0013	2.6898	7.7454	0.0006	-0.3312	7.4148
495	85.5	87.5	2.6876	-0.0046	-0.001	2.682	7.7564	-0.0025	-0.3328	7.4211
496	84	88.2	2.6793	-0.0046	-0.0013	2.6733	7.7957	-0.0023	-0.333	7.4604
497	90.7	88.9	2.6684	-0.0045	-0.0011	2.6628	7.81	-0.006	-0.3367	7.4674
498	91.2	89.3	2.6612	-0.0045	0.0008	2.6574	7.8612	-0.0065	-0.3394	7.5153
499	91.3	89.9	2.6527	-0.0043	0.0009	2.6493	7.8967	-0.0014	-0.3376	7.5577
500	92.7	90.7	2.6451	-0.0043	0.0009	2.6416	7.9374	-0.0047	-0.3398	7.5929
501	93.9	91.6	2.6373	-0.0043	0.0008	2.6339	7.9716	0.0041	-0.3378	7.6378
502	95.3	92	2.6291	-0.0043	0.0008	2.6256	7.9885	0.0091	-0.3335	7.6641
503	98.3	92.8	2.6222	-0.0043	0.0006	2.6184	8.0335	0.0115	-0.3315	7.7135
504	97	93.5	2.6146	-0.0042	0.0005	2.6109	8.0465	0.0168	-0.3308	7.7324
505	92.8	94.3	2.6073	-0.0041	0.0006	2.6037	8.0848	0.0152	-0.3311	7.7689
506	91.9	95	2.5998	-0.0043	0.0006	2.596	8.1351	0.0154	-0.3321	7.8185
507	91.5	95.4	2.5934	-0.0045	0.0002	2.5892	8.1641	0.021	-0.3358	7.8493
508	96.6	96	2.5855	-0.0043	0.0005	2.5817	8.2011	0.0209	-0.3388	7.8833
509	95.3	96.8	2.578	-0.0041	0.0007	2.5746	8.2257	0.0178	-0.34	7.9034

510	96.6	97.5	2.5674	-0.0039	0.001	2.5644	8.2395	0.0155	-0.3364	7.9186
511	95.4	98.2	2.5377	-0.0036	0.0077	2.5419	8.2613	0.0169	-0.3286	7.9496
512	98.6	99	2.5185	-0.0034	0.033	2.5482	8.2791	0.0176	-0.3225	7.9742
513	98.5	99.5	2.5099	-0.0035	0.0326	2.539	8.2966	0.0186	-0.323	7.9922
514	99.4	100	2.5026	-0.0038	0.0324	2.5313	8.3012	0.0175	-0.3247	7.9941
515	98.7	101	2.4949	-0.0037	0.0322	2.5234	8.3151	0.0114	-0.3248	8.0017
516	98.6	101	2.4866	-0.0038	0.0322	2.515	8.3323	0.0093	-0.3209	8.0206
517	101	102	2.478	-0.0037	0.0322	2.5064	8.3383	0.0103	-0.3178	8.0307
518	107	103	2.4684	-0.0037	0.0318	2.4964	8.3775	0.012	-0.3214	8.0681
519	107	103	2.4611	-0.0042	0.0316	2.4885	8.4058	0.0177	-0.3224	8.1011
520	107	104	2.4532	-0.004	0.0318	2.481	8.4288	0.0219	-0.3229	8.1278
521	109	104	2.4446	-0.0039	0.0324	2.4731	8.438	0.0244	-0.321	8.1413
522	109	105	2.4342	-0.0044	0.0326	2.4624	8.4768	0.0265	-0.3228	8.1805
523	107	106	2.4284	-0.0042	0.0326	2.4567	8.4799	0.027	-0.3276	8.1793
524	107	106	2.4193	-0.0046	0.0322	2.4469	8.5006	0.0242	-0.3324	8.1924
525	105	107	2.4109	-0.0044	0.0323	2.4388	8.5269	0.025	-0.3334	8.2185
526	106	108	2.4014	-0.0046	0.0325	2.4294	8.561	0.0254	-0.3301	8.2563
527	105	109	2.3931	-0.0046	0.0326	2.4211	8.576	0.0225	-0.3319	8.2666
528	104	109	2.3826	-0.0047	0.0324	2.4103	8.6032	0.0237	-0.3361	8.2908
529	106	109	2.3729	-0.0046	0.0319	2.4002	8.6075	0.0229	-0.3288	8.3015
530	107	110	2.3649	-0.0048	0.0319	2.392	8.5725	0.0287	-0.3246	8.2766
531	112	110	2.3571	-0.005	0.0318	2.3839	8.6392	0.026	-0.3323	8.3329
532	111	110	2.3491	-0.005	0.0315	2.3756	8.6535	0.0333	-0.3357	8.3511
533	112	111	2.3413	-0.005	0.0313	2.3676	8.6808	0.0333	-0.3326	8.3816
534	113	111	2.3311	-0.0049	0.0314	2.3575	8.6785	0.0234	-0.3308	8.3712
535	116	112	2.3229	-0.0045	0.0312	2.3496	8.6801	0.0178	-0.3305	8.3674
536	115	112	2.3141	-0.0044	0.0314	2.3411	8.6921	0.0162	-0.3289	8.3795
537	111	112	2.3061	-0.0039	0.0318	2.3341	8.6863	0.0091	-0.3309	8.3645
538	113	113	2.2962	-0.0038	0.0323	2.3247	8.7049	0.0041	-0.3302	8.3788
539	114	113	2.2877	-0.0038	0.032	2.3159	8.7187	0.0039	-0.327	8.3955
540	114	114	2.2776	-0.0041	0.0316	2.3052	8.7128	0.0034	-0.3268	8.3893
541	115	114	2.2677	-0.0042	0.0314	2.2949	8.7215	0.006	-0.3264	8.4011
542	116	114	2.2596	-0.0044	0.0315	2.2867	8.746	0.0109	-0.326	8.431
543	116	115	2.2514	-0.0047	0.0315	2.2781	8.7571	0.0103	-0.3217	8.4457
544	115	115	2.2433	-0.0049	0.0314	2.2698	8.7872	0.01	-0.3229	8.4744
545	114	115	2.2334	-0.0046	0.0314	2.2601	8.7912	0.012	-0.3191	8.4841
546	112	115	2.2252	-0.0042	0.0316	2.2526	8.8146	0.0133	-0.3141	8.5139

547	115	116	2.2151	-0.0039	0.0318	2.2429	8.8087	0.021	-0.3151	8.5145
548	116	116	2.2063	-0.0041	0.0316	2.2339	8.7785	0.0199	-0.31	8.4884
549	115	117	2.1976	-0.0036	0.0316	2.2256	8.7927	0.0191	-0.2887	8.5232
550	113	117	2.1881	-0.0039	0.0312	2.2154	8.798	0.0132	-0.2848	8.5264
551	118	118	2.1801	-0.0042	0.0309	2.2068	8.7934	0.0117	-0.2884	8.5166
552	117	119	2.1712	-0.0044	0.0312	2.198	8.5791	0.0118	-0.2909	8.3
553	119	119	2.1633	-0.0047	0.0312	2.1898	8.5441	0.0105	-0.2901	8.2645
554	118	119	2.1549	-0.0046	0.0311	2.1813	8.8793	0.0088	-0.2964	8.5918
555	118	120	2.1441	-0.0048	0.0311	2.1704	8.8788	0.0102	-0.2951	8.5939
556	119	120	2.134	-0.0051	0.0312	2.1601	8.8627	0.0134	-0.2868	8.5892
557	121	121	2.1243	-0.0048	0.0315	2.1509	8.8686	0.013	-0.2858	8.5958
558	124	122	2.1158	-0.0043	0.0315	2.1429	8.8853	0.0154	-0.2938	8.6069
559	127	122	2.1072	-0.004	0.0313	2.1345	8.9058	0.0152	-0.2975	8.6235
560	128	123	2.0994	-0.0038	0.0311	2.1267	8.8951	0.019	-0.2949	8.6192
561	127	123	2.0915	-0.0037	0.0309	2.1187	8.8662	0.0206	-0.2906	8.5962
562	126	124	2.0837	-0.0041	0.0312	2.1108	8.6448	0.0253	-0.2247	8.4455
563	119	124	2.0749	-0.0042	0.0313	2.102	8.5461	0.0254	0.0288	8.6002
564	123	124	2.0674	-0.0038	0.0312	2.0948	8.5323	0.0204	0.0213	8.574
565	125	125	2.0586	-0.0038	0.031	2.0858	8.5429	0.0137	0.017	8.5736
566	131	125	2.0507	-0.0039	0.0307	2.0774	8.5417	0.0148	0.0151	8.5716
567	127	126	2.042	-0.0042	0.0306	2.0685	8.5359	0.0147	0.0186	8.5692
568	125	126	2.0326	-0.0047	0.0308	2.0587	8.534	0.0139	0.0171	8.5651
569	125	126	2.0244	-0.0052	0.0308	2.05	8.5187	0.0132	0.0115	8.5434
570	126	126	2.0159	-0.0055	0.0306	2.041	8.5188	0.0058	0.0092	8.5338
571	125	126	2.007	-0.0058	0.0307	2.0319	8.4971	0.0086	0.0121	8.5178
572	121	126	1.9992	-0.0059	0.0308	2.0241	8.4685	0.0132	0.0177	8.4994
573	125	126	1.991	-0.0059	0.0311	2.0162	8.4411	0.0082	0.0217	8.4709
574	125	126	1.9833	-0.0059	0.0308	2.0082	9.6965	0.0069	-1.3082	8.3952
575	130	126	1.9737	-0.006	0.0304	1.9981	10.1277	0.0043	-1.674	8.458
576	134	126	1.9657	-0.0058	0.0307	1.9906	10.1439	0.0096	-1.6751	8.4784
577	130	126	1.956	-0.0059	0.0309	1.9809	10.1108	0.0094	-1.6693	8.451
578	125	126	1.9487	-0.006	0.0305	1.9732	10.103	0.0105	-1.6652	8.4483
579	123	125	1.9414	-0.0067	0.0302	1.9649	10.07	0.0116	-1.6654	8.4163
580	127	125	1.9323	-0.0065	0.0306	1.9565	10.0498	0.0127	-1.6719	8.3906
581	124	125	1.9229	-0.0069	0.0308	1.9468	10.0384	0.0099	-1.6725	8.3758
582	126	126	1.9133	-0.0069	0.0307	1.9371	10.0243	0.0075	-1.6755	8.3563
583	126	126	1.9063	-0.0065	0.0306	1.9303	10.0082	0.0096	-1.6759	8.3419

584	123	126	1.899	-0.0061	0.0305	1.9234	10.005	0.0138	-1.6745	8.3443
585	125	125	1.8914	-0.0057	0.0304	1.9161	9.9633	0.0162	-1.6745	8.305
586	124	125	1.8841	-0.0052	0.0305	1.9094	9.9279	0.016	-1.6776	8.2663
587	122	125	1.8747	-0.0051	0.0307	1.9003	9.9097	0.0152	-1.6768	8.248
588	123	125	1.8656	-0.005	0.0305	1.8911	9.8963	0.0226	-1.671	8.248
589	123	125	1.8585	-0.005	0.0305	1.8841	9.8767	0.0278	-1.6584	8.2461
590	125	125	1.8505	-0.0052	0.0307	1.876	9.8586	0.0342	-1.6605	8.2323
591	128	125	1.8425	-0.0055	0.0307	1.8677	9.8313	0.0314	-1.6663	8.1965
592	128	125	1.8345	-0.0056	0.0305	1.8594	9.7829	0.0315	-1.6644	8.15
593	123	125	1.8238	-0.0057	0.0306	1.8487	9.7937	0.0326	-1.6653	8.1611
594	123	125	1.8167	-0.0059	0.0306	1.8414	9.7613	0.0264	-1.6685	8.1192
595	126	124	1.8061	-0.0059	0.0304	1.8306	9.7526	0.0238	-1.6692	8.1071
596	129	124	1.7984	-0.0067	0.0302	1.8219	9.7158	0.0237	-1.6702	8.0693
597	126	124	1.7906	-0.0065	0.0299	1.8139	9.6798	0.0235	-1.6683	8.035
598	124	124	1.7819	-0.0064	0.0296	1.8051	9.6495	0.0256	-1.6667	8.0084
599	126	124	1.7729	-0.0056	0.0294	1.7967	9.6263	0.0261	-1.6688	7.9837
600	125	124	1.7658	-0.0055	0.0297	1.79	9.603	0.0337	-1.6649	7.9718
601	124	124	1.7794	-0.0055	0.0299	1.8039	9.5718	0.0365	-1.664	7.9442
602	122	124	1.7747	-0.0053	0.0299	1.7992	9.5616	0.0341	-1.6642	7.9315
603	120	124	1.7343	-0.0052	0.0302	1.7593	9.5294	0.0281	-1.6567	7.9008
604	120	124	1.7267	-0.0052	0.03	1.7515	9.5103	0.0187	-1.6544	7.8746
605	120	124	1.721	-0.0054	0.0293	1.7448	9.4965	0.0177	-1.658	7.8562
606	120	123	1.7129	-0.0057	0.0292	1.7365	9.4525	0.0119	-1.6634	7.801
607	125	123	1.7049	-0.006	0.0296	1.7285	9.4317	0.0097	-1.6643	7.777
608	125	123	1.6949	-0.0058	0.0302	1.7194	9.403	0.0134	-1.6619	7.7544
609	127	122	1.6885	-0.006	0.0302	1.7127	9.3587	0.0216	-1.6562	7.7241
610	123	122	1.6808	-0.006	0.03	1.7048	9.3318	0.025	-1.649	7.7077
611	127	122	1.6732	-0.0061	0.0302	1.6973	9.3119	0.024	-1.6511	7.6849
612	126	121	1.6639	-0.0059	0.0302	1.6882	9.2973	0.0213	-1.6558	7.6629
613	122	121	1.6567	-0.0056	0.0305	1.6816	9.2856	0.0169	-1.6549	7.6476
614	122	121	1.6483	-0.0052	0.0307	1.6739	9.2454	0.0151	-1.6571	7.6034
615	120	120	1.6407	-0.0051	0.0306	1.6662	9.2243	0.019	-1.66	7.5833
616	119	120	1.633	-0.0052	0.0304	1.6581	9.2008	0.0182	-1.6615	7.5575
617	119	120	1.6246	-0.0051	0.0305	1.6499	9.1731	0.0216	-1.6625	7.5323
618	119	120	1.6165	-0.0051	0.0307	1.6421	9.1496	0.0192	-1.6617	7.5071
619	118	119	1.6092	-0.0048	0.0307	1.6351	9.0948	0.0151	-1.6569	7.4531
620	118	119	1.6035	-0.0048	0.0306	1.6292	9.0804	0.0039	-1.6591	7.4252

621	115	118	1.5978	-0.0052	0.0306	1.6231	9.0516	0.005	-1.6589	7.3976
622	114	118	1.5901	-0.0052	0.0304	1.6153	9.0072	0.0058	-1.658	7.355
623	113	117	1.4587	-0.0049	0.1634	1.6172	8.9889	-0.0002	-1.6592	7.3295
624	116	117	1.4065	-0.005	0.1996	1.6011	8.9442	0.002	-1.6531	7.2931
625	117	117	1.3966	-0.0054	0.1998	1.5909	8.9188	0.0062	-1.6527	7.2723
626	119	116	1.3903	-0.0055	0.1995	1.5843	8.8837	0.0078	-1.654	7.2375
627	118	116	1.3828	-0.0057	0.1991	1.5763	8.856	0.0103	-1.6499	7.2164
628	117	116	1.3756	-0.0059	0.1989	1.5686	8.8031	0.0106	-1.646	7.1677
629	114	115	1.3679	-0.0059	0.1991	1.5612	8.7837	0.0101	-1.6465	7.1474
630	117	115	1.3611	-0.0058	0.1992	1.5544	8.7527	0.0066	-1.6478	7.1115
631	117	115	1.3546	-0.0058	0.1993	1.5482	8.7044	0.0086	-1.6433	7.0696
632	116	115	1.3483	-0.006	0.1991	1.5414	8.6645	-0.0002	-1.6399	7.0244
633	115	114	1.3408	-0.0064	0.1988	1.5332	8.625	-0.001	-1.6395	6.9846
634	114	114	1.3347	-0.0065	0.1988	1.527	8.6027	0.004	-1.6404	6.9663
635	110	114	1.3302	-0.0061	0.199	1.523	8.5688	0.007	-1.64	6.9358
636	114	114	1.3231	-0.0059	0.1991	1.5163	8.5398	0.0128	-1.6392	6.9133
637	116	113	1.3165	-0.0062	0.1989	1.5093	8.4957	0.0174	-1.6404	6.8726
638	109	113	1.3086	-0.0066	0.1981	1.5001	8.4409	0.0154	-1.6396	6.8168
639	112	112	1.3018	-0.0072	0.198	1.4926	8.3943	0.0159	-1.642	6.7682
640	113	112	1.2945	-0.0072	0.1983	1.4856	8.3662	0.0182	-1.6398	6.7446
641	111	112	1.2894	-0.0074	0.1978	1.4799	8.3284	0.0194	-1.6346	6.7132
642	110	112	1.2803	-0.0076	0.198	1.4706	8.2982	0.0154	-1.6354	6.6781
643	114	111	1.2753	-0.0073	0.1983	1.4662	8.2697	0.0111	-1.6373	6.6436
644	114	111	1.2681	-0.0072	0.1983	1.4591	8.189	0.0093	-1.6366	6.5617
645	111	111	1.2618	-0.007	0.1984	1.4532	8.1532	0.0041	-1.6351	6.5223
646	109	111	1.2572	-0.0066	0.1985	1.4491	8.1089	0.002	-1.6361	6.4748
647	107	110	1.2501	-0.0065	0.1985	1.4421	8.0786	-0.0058	-1.6398	6.433
648	110	110	1.2437	-0.0067	0.1985	1.4355	8.0367	-0.0041	-1.6424	6.3901
649	113	109	1.2373	-0.007	0.1981	1.4284	8.0141	-0.0032	-1.642	6.3689
650	113	109	1.2309	-0.0075	0.1976	1.421	7.9558	0.0107	-1.6363	6.3303
651	113	109	1.2239	-0.0076	0.1973	1.4136	7.9251	0.0133	-1.6331	6.3053
652	107	109	1.2183	-0.0072	0.1969	1.408	8.1004	0.0129	-1.6329	6.4803
653	108	108	1.2123	-0.0065	0.1966	1.4023	8.0673	0.0112	-1.6375	6.441
654	112	108	1.2052	-0.0064	0.1969	1.3957	7.6929	0.0114	-1.6382	6.0661
655	103	107	1.1988	-0.006	0.1974	1.3903	7.6543	0.0127	-1.6341	6.0329
656	101	107	1.1908	-0.0061	0.1976	1.3824	7.6201	0.012	-1.6311	6.001
657	102	106	1.184	-0.0062	0.1976	1.3755	7.5714	0.0109	-1.6281	5.9542

658	104	106	1.1799	-0.0065	0.1971	1.3705	7.5161	0.0091	-1.6267	5.8985
659	107	106	1.174	-0.0065	0.1962	1.3638	7.4417	0.0149	-1.6231	5.8335
660	109	105	1.1682	-0.0062	0.1962	1.3582	7.4063	0.0132	-1.627	5.7924
661	108	104	1.1618	-0.0059	0.1965	1.3524	7.3533	0.012	-1.6302	5.735
662	105	104	1.1551	-0.0057	0.1967	1.346	7.3015	0.0126	-1.6243	5.6898
663	102	103	1.1503	-0.0057	0.197	1.3416	7.2393	0.0138	-1.6209	5.6321
664	97.3	103	1.145	-0.0057	0.1972	1.3365	7.1924	0.0156	-1.6156	5.5924
665	102	102	1.1385	-0.0056	0.1971	1.33	7.1356	0.0211	-1.6136	5.5431
666	104	102	1.1334	-0.0061	0.1969	1.3242	7.0917	0.0216	-1.6146	5.4988
667	104	102	1.1271	-0.0061	0.1968	1.3178	7.0366	0.0164	-1.6165	5.4366
668	106	101	1.1231	-0.0062	0.1965	1.3134	6.9849	0.011	-1.6148	5.381
669	98.6	101	1.1164	-0.0056	0.1967	1.3074	6.9402	0.0175	-1.6047	5.3531
670	101	99.8	1.1108	-0.006	0.1965	1.3012	6.9072	0.0214	-1.6065	5.3221
671	98.8	99.1	1.1063	-0.0063	0.1965	1.2964	6.8685	0.0218	-1.61	5.2803
672	101	98.5	1.1003	-0.0059	0.1967	1.2912	6.8422	0.0168	-1.6079	5.251
673	97.6	98.1	1.0965	-0.0061	0.1964	1.2869	6.8021	0.0122	-1.6074	5.2069
674	96.1	97.7	1.0914	-0.0066	0.1961	1.2809	5.5222	0.0147	-0.2751	5.2618
675	94.2	97.3	1.0854	-0.0068	0.1958	1.2744	5.0163	0.0175	0.086	5.1199
676	94.6	96.8	1.0801	-0.0069	0.1956	1.2689	4.931	0.0124	0.0863	5.0296
677	96.6	96.2	1.0756	-0.007	0.1955	1.2642	4.8897	0.0096	0.0838	4.9831
678	96.6	95.5	1.0704	-0.007	0.1951	1.2584	4.8405	0.0053	0.0812	4.9269
679	94	95.2	1.0662	-0.0073	0.1949	1.2538	4.879	0.0008	0.0791	4.9589
680	93.5	94.5	1.0619	-0.0074	0.195	1.2495	6.1695	-0.0054	-1.3451	4.8191
681	95.1	93.9	1.0565	-0.0069	0.1948	1.2443	6.444	-0.0951	-1.7163	4.6326
682	93.1	93.1	1.0508	-0.0068	0.1946	1.2386	6.5112	-0.1065	-1.751	4.6537
683	91	92.6	1.046	-0.0069	0.1946	1.2337	6.5306	-0.1075	-1.7555	4.6677
684	93.9	92.1	1.0421	-0.0068	0.1945	1.2298	6.5182	-0.1075	-1.767	4.6437
685	94.7	91.6	1.0375	-0.007	0.1943	1.2248	6.4652	-0.1063	-1.7813	4.5776
686	91.9	91.1	1.0345	-0.007	0.1945	1.2221	6.4074	-0.1029	-1.7727	4.5317
687	92.6	90.5	1.0306	-0.0066	0.1946	1.2186	6.3642	-0.1029	-1.7718	4.4895
688	92.4	89.9	1.0262	-0.0066	0.1947	1.2143	6.3177	-0.1045	-1.7641	4.4491
689	88.6	89.3	1.0219	-0.0068	0.1945	1.2096	6.2347	-0.1082	-1.7642	4.3623
690	86.7	88.7	1.0177	-0.0072	0.1941	1.2047	6.1883	-0.1109	-1.766	4.3114
691	85.5	88.2	1.0127	-0.007	0.1942	1.1999	6.1319	-0.1046	-1.7613	4.266
692	87.7	87.5	1.0075	-0.0067	0.1942	1.1951	5.4877	-0.1061	-1.8687	3.5129
693	86.4	87.1	1.0049	-0.0066	0.1943	1.1925	6.0946	-0.1139	-1.9967	3.984
694	84.9	86.3	1.0014	-0.0063	0.1941	1.1892	6.251	-0.1024	-2.0387	4.1099

695	85.5	85.4	0.9952	-0.0061	0.194	1.1831	6.2813	-0.0942	-2.0363	4.1508
696	84.9	84.6	0.9905	-0.0061	0.1942	1.1786	6.1542	-0.0848	-2.0234	4.0461
697	86.1	83.7	0.9869	-0.0061	0.1941	1.1749	6.0695	-0.0757	-2.013	3.9808
698	82.5	82.9	0.9805	-0.0061	0.1938	1.1682	6.0428	-0.0791	-2.0144	3.9493
699	82.4	82.2	0.9773	-0.0067	0.193	1.1636	5.9304	-0.0869	-2.0104	3.8331
700	84.8	81.5	0.9732	-0.0068	0.193	1.1595	5.8795	-0.0897	-2.006	3.7838
701	80.4	80.8	0.9694	-0.0068	0.1932	1.1558	5.7668	-0.0944	-1.9924	3.68
702	82.3	80	0.968	-0.0065	0.1936	1.1551	5.7048	-0.1001	-1.9847	3.6199
703	79.9	79.2	0.965	-0.0063	0.194	1.1527	5.6349	-0.1003	-1.9914	3.5432
704	77	78.5	0.9613	-0.0065	0.1934	1.1482	5.5812	-0.0928	-1.9897	3.4987
705	76.5	77.9	0.959	-0.0066	0.1924	1.1447	5.5096	-0.0904	-1.9788	3.4404
706	76.2	77.2	0.9558	-0.0067	0.192	1.141	5.4448	-0.0863	-1.9638	3.3947
707	76.6	76.2	0.9533	-0.0069	0.1923	1.1386	5.3666	-0.0875	-1.9506	3.3284
708	75.8	75.5	0.9508	-0.0073	0.1926	1.136	5.3021	-0.0899	-1.9406	3.2716
709	74.1	74.8	0.9479	-0.0073	0.1929	1.1335	5.2667	-0.092	-1.9473	3.2274
710	71.8	73.9	0.9455	-0.0072	0.193	1.1313	5.2287	-0.0928	-1.9527	3.1832
711	72.6	73.1	0.9431	-0.0074	0.1926	1.1283	5.1774	-0.0935	-1.9514	3.1325
712	70.8	72.2	0.94	-0.0073	0.1923	1.1249	5.1058	-0.0915	-1.9403	3.074
713	71.2	71.2	0.9374	-0.0071	0.192	1.1223	5.0397	-0.0912	-1.9339	3.0146
714	74.6	70.4	0.9348	-0.0073	0.1921	1.1196	4.993	-0.0927	-1.924	2.9763
715	71.8	69.6	0.9316	-0.0073	0.1921	1.1164	4.9355	-0.093	-1.9137	2.9288
716	67.7	68.7	0.9294	-0.0069	0.192	1.1145	4.8664	-0.0913	-1.9079	2.8673
717	68.5	67.7	0.9261	-0.0062	0.1919	1.1118	4.8259	-0.0988	-1.9076	2.8195
718	68.1	66.9	0.9225	-0.0068	0.1911	1.1068	4.7791	-0.097	-1.9058	2.7763
719	68.4	66.2	0.9185	-0.0069	0.1913	1.1029	4.7566	-0.0952	-1.8959	2.7655
720	65.5	65.4	0.9166	-0.007	0.1916	1.1012	4.6977	-0.0822	-1.886	2.7295
721	64.5	64.5	0.9136	-0.0069	0.1914	1.098	4.6391	-0.0839	-1.8739	2.6813
722	60.8	63.7	0.9099	-0.0064	0.1912	1.0947	4.5908	-0.0828	-1.8696	2.6384
723	61.8	62.9	0.9065	-0.0064	0.1909	1.091	4.5319	-0.075	-1.8641	2.5927
724	61.3	61.9	0.9049	-0.0068	0.191	1.0891	4.5063	-0.0794	-1.8606	2.5663
725	58.9	61	0.9035	-0.0066	0.1912	1.088	4.4608	-0.0877	-1.8548	2.5183
726	59	60.3	0.9014	-0.0065	0.1911	1.086	4.4003	-0.0886	-1.8501	2.4616
727	60.5	59.5	0.8988	-0.0062	0.191	1.0836	4.3637	-0.0885	-1.8528	2.4224
728	59.5	58.6	0.8877	-0.0059	0.191	1.0727	4.3251	-0.0904	-1.8604	2.3743
729	57.3	57.5	0.751	-0.0053	0.3336	1.0793	4.2851	-0.0972	-1.8686	2.3193
730	56	56.5	0.7167	0.0037	0.3708	1.0912	4.2333	-0.1012	-1.8614	2.2707
731	55.2	55.6	0.7035	0.0049	0.3744	1.0829	4.1824	-0.1018	-1.8562	2.2245

732	56.1	54.8	0.6952	0.0048	0.3746	1.0747	4.1335	-0.0986	-1.8568	2.1782
733	56.1	54	0.689	0.0044	0.3755	1.0688	4.0806	-0.0952	-1.8549	2.1305
734	53.9	53.1	0.6882	0.0041	0.377	1.0693	4.0348	-0.098	-1.8544	2.0823
735	54.6	52.3	0.6894	0.0042	0.3762	1.0698	3.994	-0.0997	-1.8519	2.0424
736	53.2	51.5	0.6867	0.0044	0.3763	1.0673	3.94	-0.0985	-1.8499	1.9917
737	51	50.6	0.6847	0.0043	0.3753	1.0644	3.902	-0.095	-1.8424	1.9646
738	48.2	49.7	0.6851	0.0043	0.3745	1.0639	3.855	-0.0903	-1.8347	1.93
739	45.3	48.9	0.683	0.0039	0.3746	1.0615	3.8075	-0.0925	-1.8291	1.8859
740	46.9	48.1	0.6813	0.0033	0.3744	1.059	3.7611	-0.0983	-1.8266	1.8362
741	46.7	47.3	0.7406	0.0033	0.3847	1.1286	3.7204	-0.0995	-1.8265	1.7944
742	45.6	46.3	0.6708	0.0038	0.3977	1.0722	3.6717	-0.1014	-1.8185	1.7518
743	44.2	45.4	0.6502	0.0029	0.4022	1.0552	3.6212	-0.0953	-1.8213	1.7047
744	44	44.5	0.6399	0.0022	0.4019	1.044	3.5881	-0.0933	-1.8204	1.6744
745	43.5	43.4	0.6464	0.0015	0.4007	1.0486	3.5638	-0.0941	-1.8202	1.6496
746	44	42.5	0.6502	0.001	0.3998	1.051	3.5051	-0.0922	-1.8244	1.5885
747	42.4	41.6	0.6458	0.0014	0.3999	1.0471	3.4572	-0.0918	-1.8262	1.5391
748	42.3	40.9	0.6506	0.002	0.3995	1.0522	3.414	-0.095	-1.8309	1.4881
749	40.8	40.3	0.6494	0.002	0.3987	1.0501	3.3481	-0.094	-1.8378	1.4163
750	39.1	39.6	0.6543	0.0019	0.3968	1.053	3.3283	-0.0984	-1.8455	1.3844
751	38.7	39	0.6534	0.0024	0.3958	1.0516	3.2943	-0.1005	-1.838	1.3558
752	38.1	38.4	0.6548	0.0029	0.396	1.0536	3.2517	-0.0979	-1.8283	1.3255
753	36.2	37.8	0.6541	0.0027	0.3956	1.0525	3.2324	-0.092	-1.8152	1.3252
754	35.2	37.2	0.6543	0.0026	0.3948	1.0517	3.2017	-0.0902	-1.8049	1.3066
755	35.1	36.6	0.6544	0.0026	0.3938	1.0508	3.1672	-0.0923	-1.8071	1.2679
756	34.6	35.8	0.6542	0.0027	0.3927	1.0495	3.1514	-0.0952	-1.8098	1.2464
757	34.3	35.1	0.6538	0.0028	0.3917	1.0483	3.1174	-0.0946	-1.8113	1.2115
758	34.4	34.4	0.6532	0.0027	0.3919	1.0478	3.0841	-0.0993	-1.8032	1.1815
759	34.1	33.8	0.6512	0.0028	0.3915	1.0455	3.0618	-0.1059	-1.7933	1.1625
760	34	33.1	0.6505	0.0031	0.3913	1.0449	3.1032	-0.102	-1.7859	1.2153
761	34.5	32.5	0.6512	0.0033	0.3905	1.045	4.3508	-0.139	-2.6138	1.5981
762	34	31.9	0.6511	0.0034	0.39	1.0446	7.5512	-0.2944	-5.5345	1.7224
763	32.3	31.4	0.651	0.0036	0.3894	1.044	7.8073	-0.3355	-3.7494	3.7224
764	30.6	30.9	0.6515	0.0036	0.3886	1.0436	7.8619	-0.3277	-3.7465	3.7877
765	29.9	30.4	0.6519	0.0035	0.3879	1.0433	7.8739	-0.3358	-3.7842	3.7539
766	29	29.9	0.6508	0.0038	0.3877	1.0423	7.8645	-0.3316	-3.801	3.7318
767	28.6	29.4	0.6491	0.0036	0.3874	1.0401	7.8544	-0.323	-3.7991	3.7324
768	29	28.8	0.6474	0.0033	0.3861	1.0369	7.8265	-0.3154	-3.7878	3.7233

769	26.7	28.3	0.6466	0.0026	0.3853	1.0345	7.7973	-0.3258	-3.7818	3.6896
770	26.7	27.8	0.6469	0.0024	0.3839	1.0331	7.7578	-0.3136	-3.7868	3.6574
771	27	27.2	0.6472	0.0019	0.3834	1.0325	7.7458	-0.2992	-3.7882	3.6584
772	26.8	26.6	0.6471	0.0016	0.3831	1.0319	7.7255	-0.3088	-3.7736	3.6432
773	26.1	26.2	0.6459	0.0019	0.3825	1.0303	7.6822	-0.3163	-3.745	3.6209
774	25.3	25.7	0.6453	0.0022	0.3816	1.0291	7.6461	-0.3175	-3.7401	3.5885
775	25.2	25.3	0.6453	0.0021	0.3808	1.0282	7.6217	-0.3304	-3.7191	3.5722
776	24	24.9	0.6438	0.002	0.3809	1.0267	7.5964	-0.3247	-3.7079	3.5638
777	24.1	24.4	0.6431	0.0021	0.3815	1.0268	7.5669	-0.3312	-3.6974	3.5382
778	24	24	0.6418	0.0027	0.382	1.0265	7.5399	-0.3487	-3.6779	3.5132
779	23.9	23.6	0.6428	0.0028	0.3811	1.0267	7.422	-0.3487	-3.6738	3.3995
780	23	23.3	0.6437	0.0028	0.3806	1.0271	6.0447	-0.3336	-2.2514	3.4597
781	23.9	22.9	0.6431	0.003	0.3804	1.0265	5.6834	-0.2443	-1.8687	3.5704
782	23.1	22.5	0.6427	0.0027	0.3801	1.0256	5.5232	-0.2485	-1.8079	3.4668
783	22	22.2	0.6425	0.0029	0.38	1.0255	5.4223	-0.2531	-1.7849	3.3844
784	21.6	21.9	0.6427	0.0032	0.3797	1.0256	5.3494	-0.2638	-1.764	3.3216
785	21	21.5	0.6435	0.0028	0.3793	1.0256	5.3301	-0.2544	-1.7564	3.3192
786	20.7	21.2	0.6443	0.0025	0.3788	1.0256	5.334	-0.2398	-1.7699	3.3242
787	20.4	20.8	0.6451	0.0024	0.3781	1.0256	5.3015	-0.2382	-1.7563	3.307
788	20	20.5	0.6455	0.0026	0.3776	1.0257	5.2803	-0.2503	-1.7618	3.2682
789	19.8	20.1	0.6458	0.003	0.3772	1.026	5.2759	-0.2332	-1.7841	3.2587
790	19.6	19.9	0.6457	0.0028	0.3768	1.0252	5.248	-0.2219	-1.7965	3.2296
791	19.8	19.5	0.6455	0.0031	0.3761	1.0247	5.23	-0.2152	-1.8143	3.2005
792	20.1	19.3	0.6454	0.0028	0.3764	1.0246	5.8227	-0.2046	-1.7109	3.9072
793	19	19	0.6461	0.0027	0.3763	1.0251	5.1216	-0.2001	-1.5738	3.3477
794	17.3	18.7	0.645	0.0031	0.3761	1.0242	4.9161	-0.2055	-1.526	3.1847
795	18.8	18.5	0.6447	0.0031	0.3764	1.0242	4.812	-0.2184	-1.5254	3.0683
796	17.6	18.3	0.6448	0.0031	0.3768	1.0247	4.8654	-0.2181	-1.5392	3.1081
797	17.5	18.1	0.6455	0.0034	0.3772	1.0261	4.8962	-0.2178	-1.5373	3.1411
798	17.5	17.9	0.6457	0.0033	0.3776	1.0266	4.8453	-0.2312	-1.507	3.107
799	17.8	17.8	0.6445	0.0031	0.3776	1.0252	4.8958	-0.2151	-1.5076	3.1731
800	17.8	17.6	0.6438	0.0032	0.3768	1.0239	4.8834	-0.1956	-1.535	3.1528
801	17.4	17.5	0.6442	0.003	0.3761	1.0233	4.9107	-0.2009	-1.5384	3.1714
802	16.7	17.4	0.6447	0.0027	0.3751	1.0226	4.8956	-0.2065	-1.5308	3.1583
803	16.9	17.3	0.6448	0.0027	0.3745	1.022	4.8697	-0.1903	-1.493	3.1864
804	17	17.2	0.6446	0.0028	0.3741	1.0214	4.8588	-0.2123	-1.4497	3.1967
805	16.8	17.1	0.6438	0.0029	0.3733	1.0201	4.8388	-0.2222	-1.4503	3.1663

806	16.3	17.1	0.6441	0.0027	0.3731	1.0199	4.8318	-0.227	-1.446	3.1588
807	17.1	17.1	0.6449	0.003	0.3726	1.0205	4.8158	-0.2382	-1.4337	3.1439
808	16.3	17.1	0.6446	0.0033	0.3719	1.0198	4.8027	-0.2525	-1.4129	3.1373
809	17.5	17.1	0.6376	0.0029	0.3715	1.0119	4.7968	-0.2729	-1.3915	3.1324
810	17.7	17	0.5104	0.0067	0.4544	0.9715	4.766	-0.307	-1.3551	3.104
811	17.1	17	0.1879	0.0221	0.7461	0.9561	4.7405	-0.3183	-1.328	3.0942
812	17	17	0.1593	0.0262	0.5672	0.7527	4.7302	-0.3248	-1.312	3.0935
813	16.6	16.9	0.1512	0.0256	0.5667	0.7436	4.7153	-0.3262	-1.2997	3.0894
814	16.8	16.9	0.1474	0.0263	0.5705	0.7442	4.7078	-0.3212	-1.2933	3.0933
815	17	16.8	0.1451	0.0259	0.5722	0.7432	4.7082	-0.2701	-1.3433	3.0948
816	17.3	16.8	0.1439	0.0254	0.5719	0.7412	4.7018	-0.2703	-1.333	3.0985
817	17.5	16.7	0.1434	0.0253	0.5707	0.7395	4.6919	-0.281	-1.3232	3.0877
818	17.1	16.7	0.1428	0.0258	0.5693	0.7378	4.6771	-0.2382	-1.3544	3.0846
819	16.4	16.6	0.1427	0.0244	0.57	0.7372	4.6552	-0.2427	-1.3541	3.0584
820	17.4	16.4	0.1421	0.0229	0.5704	0.7354	4.6469	-0.2549	-1.3526	3.0394
821	16.4	16.3	0.141	0.024	0.5687	0.7337	4.6511	-0.2468	-1.3758	3.0285
822	16.2	16.2	0.1417	0.0252	0.5657	0.7326	4.6474	-0.2285	-1.3952	3.0237
823	15.9	16.1	0.1419	0.0254	0.5649	0.7322	4.6521	-0.2187	-1.4195	3.014
824	15.7	15.9	0.1427	0.0263	0.5629	0.7319	4.6474	-0.2044	-1.4392	3.0039
825	15.4	15.8	0.1438	0.0258	0.5619	0.7316	4.6421	-0.2019	-1.4453	2.9949
826	16.2	15.6	0.1447	0.0266	0.5608	0.7321	4.6384	-0.189	-1.4651	2.9843
827	15.7	15.4	0.1448	0.0287	0.5588	0.7323	4.6217	-0.1868	-1.4632	2.9716
828	15.4	15.3	0.1455	0.0289	0.5584	0.7328	4.6154	-0.1849	-1.4525	2.978
829	15.1	15.2	0.1465	0.028	0.5588	0.7333	4.6008	-0.178	-1.4441	2.9787
830	14.9	15	0.1484	0.0281	0.5577	0.7341	4.606	-0.1788	-1.446	2.9812
831	14.7	15	0.1512	0.0297	0.5552	0.7362	4.6059	-0.1798	-1.4453	2.9808
832	14.3	14.8	0.153	0.0301	0.5531	0.7362	4.5964	-0.1722	-1.4474	2.9768
833	14.2	14.7	0.154	0.0307	0.5519	0.7367	4.5923	-0.1643	-1.4408	2.9872
834	14.4	14.7	0.1552	0.0295	0.5526	0.7373	4.589	-0.1672	-1.4397	2.9821
835	13.6	14.6	0.156	0.0282	0.5532	0.7374	4.5894	-0.165	-1.4409	2.9835
836	14.1	14.5	0.1566	0.0282	0.5519	0.7366	4.5895	-0.1662	-1.4313	2.992
837	14.4	14.4	0.1567	0.0293	0.5515	0.7375	4.5951	-0.1763	-1.4219	2.997
838	14.6	14.3	0.1575	0.0276	0.5529	0.738	4.5958	-0.1756	-1.4182	3.0021
839	14.4	14.3	0.1582	0.0261	0.5542	0.7386	4.6048	-0.1693	-1.4341	3.0014
840	14.6	14.3	0.1583	0.0248	0.5558	0.7389	4.6095	-0.1672	-1.4389	3.0034
841	14.1	14.3	0.1584	0.0237	0.5558	0.7379	4.604	-0.1712	-1.4372	2.9956
842	14.1	14.3	0.1587	0.0238	0.555	0.7375	4.6065	-0.1618	-1.4482	2.9965

843	14.6	14.3	0.1585	0.0234	0.5548	0.7368	4.5743	-0.1619	-1.4361	2.9763
844	14.4	14.3	0.1587	0.024	0.5545	0.7372	4.5685	-0.1664	-1.394	3.0081
845	13.7	14.3	0.1599	0.0233	0.5546	0.7378	4.553	-0.1696	-1.3776	3.0059
846	13.8	14.4	0.1606	0.0228	0.5535	0.7369	4.5479	-0.1702	-1.3715	3.0062
847	14	14.4	0.1613	0.0245	0.5506	0.7364	4.5403	-0.1719	-1.3604	3.008
848	14.5	14.4	0.1611	0.0235	0.5503	0.7349	4.5477	-0.1671	-1.3545	3.026
849	14.5	14.4	0.1611	0.0215	0.5522	0.7348	4.546	-0.1797	-1.3287	3.0376
850	14.7	14.5	0.1632	0.022	0.5507	0.7359	4.5314	-0.2014	-1.3151	3.0148
851	14.1	14.5	0.1639	0.023	0.5489	0.7358	4.5302	-0.2029	-1.3081	3.0192
852	14.7	14.5	0.1678	0.0219	0.5453	0.735	4.538	-0.1946	-1.3327	3.0106
853	13.9	14.5	0.1683	0.024	0.5406	0.7328	4.5472	-0.1917	-1.3482	3.0073
854	14.6	14.6	0.1704	0.0249	0.5398	0.7351	4.5542	-0.1879	-1.3617	3.0046
855	15.2	14.7	0.1712	0.0253	0.5384	0.7349	4.5681	-0.1844	-1.3776	3.0061
856	15.2	14.8	0.1726	0.0265	0.536	0.7351	4.5778	-0.1878	-1.4	2.9901
857	14.9	14.9	0.1735	0.0281	0.533	0.7346	4.6076	-0.198	-1.4067	3.0029
858	14.7	15	0.1735	0.03	0.531	0.7345	4.6303	-0.2155	-1.4102	3.0046
859	14.7	15.1	0.1746	0.0335	0.527	0.7351	4.6405	-0.2136	-1.4234	3.0036
860	14.6	15.2	0.1764	0.035	0.5241	0.7355	4.5839	-0.2277	-1.4232	2.933
861	15.2	15.2	0.1782	0.0358	0.5217	0.7357	3.3552	-0.1691	-0.6495	2.5366
862	14.8	15.3	0.1796	0.036	0.52	0.7356	0.1472	-0.0151	2.243	2.3751
863	15.6	15.5	0.1802	0.0357	0.5187	0.7347	-0.1303	0.0557	0.4272	0.3526
864	15.5	15.6	0.1806	0.0306	0.5229	0.7341	-0.2014	0.0585	0.4088	0.2658
865	16.1	15.6	0.1817	0.0305	0.5212	0.7335	-0.2227	0.0702	0.429	0.2765
866	16.2	15.6	0.1816	0.0319	0.52	0.7335	-0.2333	0.0658	0.4339	0.2664
867	16	15.6	0.1814	0.0274	0.5228	0.7317	-0.2334	0.0569	0.4186	0.2421
868	15.9	15.6	0.1819	0.0276	0.5215	0.731	-0.2211	0.0555	0.3947	0.2291
869	16	15.7	0.1819	0.0281	0.5206	0.7306	-0.2117	0.0553	0.3795	0.2231
870	15.9	15.7	0.1818	0.027	0.5215	0.7303	-0.1995	0.0426	0.3812	0.2243
871	16.2	15.7	0.1824	0.0248	0.5229	0.7302	-0.1865	0.0256	0.3712	0.2103
872	16.4	15.7	0.1819	0.0235	0.5251	0.7305	-0.1575	0.0394	0.3216	0.2036
873	16.7	15.7	0.1812	0.0223	0.5264	0.7299	-0.1266	0.0555	0.2541	0.183
874	15.9	15.7	0.1811	0.0224	0.5261	0.7296	-0.1017	0.0559	0.2314	0.1856
875	15.5	15.6	0.1815	0.021	0.5273	0.7298	-0.0845	0.0639	0.1997	0.1791
876	15	15.5	0.1816	0.0207	0.5272	0.7295	-0.08	0.0623	0.1935	0.1758
877	15	15.4	0.1816	0.0206	0.5268	0.729	-0.0864	0.0748	0.1872	0.1756
878	15.2	15.4	0.1818	0.0205	0.5264	0.7286	-0.084	0.0979	0.1662	0.1801
879	15.5	15.3	0.1822	0.0207	0.5257	0.7286	-0.0649	0.0913	0.1615	0.1879

880	15.6	15.3	0.1831	0.0208	0.5251	0.729	-0.0509	0.0676	0.1798	0.1965
881	15.1	15.2	0.1835	0.0202	0.5252	0.7288	-0.0227	0.0594	0.166	0.2027
882	15	15.2	0.1835	0.0191	0.5242	0.7268	0.0153	0.0782	0.1296	0.2231
883	14.6	15.1	0.1836	0.0196	0.524	0.7272	0.0387	0.0884	0.0996	0.2266
884	14.8	15	0.1838	0.0197	0.5238	0.7272	0.0197	0.1068	0.1073	0.2338
885	14.6	15.1	0.1845	0.0195	0.5224	0.7264	-0.0024	0.0992	0.1383	0.2351
886	14.7	15.1	0.1848	0.0202	0.5209	0.726	-0.0033	0.0774	0.1536	0.2278
887	14.9	15.1	0.1855	0.02	0.5199	0.7254	-0.0045	0.0764	0.145	0.2169
888	14.7	15.2	0.185	0.0195	0.521	0.7255	-0.0259	0.0816	0.1672	0.2229
889	15.1	15.2	0.1849	0.0197	0.5211	0.7257	-0.0254	0.0654	0.1835	0.2235
890	15.2	15.2	0.1853	0.0199	0.5205	0.7257	-0.016	0.0318	0.2204	0.2362
891	15.4	15.3	0.1849	0.0193	0.5209	0.7251	0	-0.0065	0.2549	0.2484
892	15	15.4	0.188	0.019	0.52	0.727	0.0025	-0.0255	0.2708	0.2478
893	14.9	15.4	0.1892	0.0193	0.5157	0.7243	0.0296	-0.0107	0.2378	0.2567
894	16.1	15.5	0.1897	0.0201	0.5139	0.7236	0.0281	-0.0022	0.2387	0.2646
895	15.6	15.6	0.1899	0.0201	0.5136	0.7236	0.0296	-0.0006	0.2604	0.2894
896	15.6	15.7	0.1908	0.0203	0.5128	0.7239	0.0417	-0.0171	0.2825	0.3071
897	15.9	15.7	0.1907	0.0201	0.5127	0.7235	0.0465	-0.0424	0.3046	0.3087
898	16.1	15.8	0.1911	0.0213	0.5105	0.7228	0.0464	-0.0283	0.3003	0.3185
899	16.2	15.8	0.1914	0.0233	0.5091	0.7237	0.0384	-0.0264	0.291	0.303
900	16.6	15.9	0.1908	0.0235	0.5076	0.7219	0.0335	-0.042	0.3057	0.2972
901	16	15.9	0.1904	0.0225	0.5093	0.7222	0.0549	-0.0372	0.2919	0.3096
902	15.5	15.9	0.19	0.0219	0.5099	0.7219	0.0657	-0.035	0.2786	0.3094
903	15.9	16	0.1894	0.0215	0.5107	0.7215	0.1298	-0.0617	0.2329	0.301
904	16.3	15.9	0.1878	0.0212	0.5119	0.7208	0.1431	-0.0393	0.1741	0.2779
905	16.4	15.9	0.1861	0.0217	0.5133	0.7211	0.1621	-0.0322	0.1669	0.2969
906	16.3	15.9	0.1833	0.0225	0.5138	0.7196	0.1728	-0.0277	0.1529	0.2981
907	15.8	15.9	0.1818	0.0245	0.5136	0.72	0.1828	-0.0041	0.1317	0.3104
908	16	15.9	0.1805	0.0246	0.5142	0.7194	0.1857	-0.0024	0.1386	0.3219
909	15.7	15.9	0.1792	0.0256	0.5138	0.7186	0.1697	0.0105	0.1429	0.3232
910	16.1	15.8	0.1749	0.0236	0.5194	0.7178	0.1791	0.0555	0.1027	0.3372
911	15.5	15.8	0.1732	0.0236	0.5218	0.7186	0.195	0.0948	0.0564	0.3462
912	16	15.8	0.1723	0.0207	0.5245	0.7174	0.2237	0.1143	0.0118	0.3498
913	15.4	15.8	0.1714	0.0198	0.5258	0.717	0.2381	0.117	0.0002	0.3553
914	15.4	15.8	0.1696	0.0193	0.5276	0.7165	0.2345	0.1009	0.0122	0.3475
915	15.1	15.8	0.1684	0.0193	0.5288	0.7165	0.2252	0.0295	0.0862	0.3408
916	15.4	15.8	0.1673	0.0197	0.53	0.717	0.2353	0.0223	0.0767	0.3342

917	15.8	15.8	0.1656	0.0197	0.5312	0.7166	0.2317	0.0208	0.0802	0.3327
918	16.1	15.8	0.1639	0.0202	0.5314	0.7155	0.2399	-0.024	0.1101	0.3261
919	15.8	15.8	0.1626	0.0202	0.5319	0.7147	0.256	-0.0343	0.1139	0.3356
920	15.7	15.8	0.1607	0.0204	0.5333	0.7143	0.2398	-0.0434	0.141	0.3374
921	16	15.9	0.1568	0.02	0.5366	0.7134	0.2418	-0.0666	0.1565	0.3317
922	15.8	15.9	0.1544	0.0196	0.5403	0.7143	0.2573	-0.0872	0.1635	0.3337
923	16.4	15.9	0.1521	0.0198	0.5418	0.7136	0.2442	-0.0916	0.1858	0.3384
924	16.6	16	0.1511	0.0199	0.5429	0.714	0.25	-0.1055	0.194	0.3385
925	15.9	16.1	0.1518	0.0196	0.5426	0.714	0.2445	-0.1089	0.1974	0.333
926	16	16.1	0.1533	0.0192	0.5421	0.7146	0.2357	-0.1276	0.2303	0.3385
927	15.9	16.1	0.1532	0.0189	0.5422	0.7143	0.2159	-0.1334	0.2604	0.3429
928	15.8	16	0.152	0.0198	0.5422	0.714	0.2237	-0.1341	0.2638	0.3534
929	15.9	16	0.1516	0.0213	0.5408	0.7137	0.2453	-0.1345	0.2499	0.3608
930	16.1	16	0.1506	0.0222	0.5411	0.7139	0.2535	-0.1368	0.2414	0.3581
931	16.8	16	0.1497	0.0219	0.5423	0.7139	0.2583	-0.1461	0.243	0.3552
932	16.4	16	0.1491	0.0213	0.5432	0.7136	0.2599	-0.164	0.2494	0.3453
933	16.5	16	0.1521	0.0201	0.5411	0.7133	0.2524	-0.1639	0.2358	0.3242
934	16.2	16	0.1554	0.0196	0.5388	0.7138	0.2547	-0.1659	0.2561	0.345
935	15.7	16	0.1563	0.0204	0.5379	0.7146	0.263	-0.1684	0.2548	0.3494
936	15.3	16	0.157	0.0205	0.5374	0.715	0.26	-0.17	0.266	0.356
937	15.6	16.1	0.1593	0.0212	0.5348	0.7153	0.2622	-0.1556	0.2434	0.3501
938	15	16.2	0.1601	0.021	0.5346	0.7157	0.2707	-0.1609	0.2321	0.3419
939	15.9	16.2	0.1598	0.0229	0.5322	0.7149	0.2758	-0.1693	0.242	0.3485
940	16.1	16.2	0.1583	0.0254	0.5303	0.7141	0.2671	-0.1694	0.2569	0.3547
941	16.4	16.3	0.1581	0.0263	0.5287	0.7131	0.2735	-0.1666	0.2632	0.3701
942	16.2	16.3	0.1557	0.0248	0.5313	0.7118	0.2827	-0.1657	0.2558	0.3728
943	16.1	16.3	0.1557	0.0237	0.5309	0.7103	0.3188	-0.1384	0.2078	0.3882
944	16.4	16.3	0.1558	0.0241	0.5284	0.7083	0.3189	-0.1071	0.1561	0.3679
945	16.4	16.5	0.1557	0.025	0.5264	0.7071	0.319	-0.0994	0.1541	0.3737
946	17.2	16.6	0.156	0.027	0.523	0.706	0.3249	-0.1068	0.1616	0.3797
947	16.7	16.7	0.1567	0.0274	0.5206	0.7046	0.3283	-0.1176	0.1755	0.3862
948	16.4	16.9	0.1572	0.0261	0.5212	0.7046	0.3229	-0.1071	0.1603	0.3762
949	16.9	17	0.1577	0.0257	0.5216	0.7051	0.3289	-0.0914	0.132	0.3694
950	17.4	17.1	0.1577	0.0257	0.5215	0.7049	0.3066	-0.0782	0.1627	0.3911
951	16.8	17.2	0.1573	0.0265	0.521	0.7049	0.3038	-0.0459	0.1204	0.3783
952	16.4	17.2	0.1548	0.0281	0.522	0.7049	0.28	-0.0615	0.1604	0.3789
953	17.4	17.3	0.1539	0.0279	0.5231	0.705	0.2576	-0.0716	0.1921	0.3781

954	18.2	17.3	0.1542	0.0281	0.5231	0.7054	0.2495	-0.0849	0.2018	0.3664
955	17.4	17.3	0.1539	0.0281	0.5231	0.7051	0.2564	-0.0914	0.2083	0.3733
956	18.9	17.3	0.1543	0.0269	0.5229	0.7041	0.2416	-0.0914	0.2206	0.3709
957	18.6	17.3	0.155	0.0283	0.5191	0.7024	0.2097	-0.088	0.2405	0.3622
958	17.9	17.2	0.1566	0.0289	0.5167	0.7022	0.1739	-0.0685	0.2606	0.366
959	17.8	17.2	0.1567	0.028	0.5167	0.7013	0.1466	-0.0541	0.268	0.3605
960	17.1	17.1	0.1569	0.0255	0.5185	0.7009	0.144	-0.0258	0.246	0.3642
961	17.5	17.1	0.1558	0.0244	0.5205	0.7007	0.1025	-0.0404	0.302	0.3641
962	16.9	17.1	0.1558	0.0243	0.52	0.7001	0.0881	-0.0419	0.322	0.3681
963	16.2	17	0.1568	0.0256	0.5175	0.6999	0.0756	-0.07	0.3457	0.3513
964	16.4	16.9	0.1581	0.0277	0.5143	0.7001	0.0743	-0.0645	0.3343	0.3442
965	17.1	16.8	0.1582	0.0283	0.5135	0.7	0.0659	-0.0755	0.3601	0.3506
966	16.6	16.7	0.1584	0.0298	0.512	0.7002	0.0325	-0.0782	0.3931	0.3474
967	16.1	16.6	0.1574	0.0298	0.5118	0.6991	0.0347	-0.0521	0.3778	0.3604
968	16.3	16.5	0.1563	0.031	0.5101	0.6975	0.0393	-0.0395	0.3776	0.3775
969	16.1	16.4	0.1579	0.0324	0.5065	0.6968	0.0378	-0.0359	0.3739	0.3758
970	16.1	16.4	0.1576	0.0337	0.5058	0.6971	0.0195	-0.0442	0.3959	0.3712
971	16	16.4	0.1567	0.0335	0.5066	0.6968	0.0111	-0.0454	0.405	0.3707
972	15.8	16.4	0.1575	0.0326	0.5065	0.6967	-0.0126	-0.0494	0.4363	0.3743
973	15.7	16.4	0.1562	0.0329	0.507	0.696	-0.0235	-0.0528	0.4704	0.3941
974	16.9	16.5	0.1567	0.0333	0.5064	0.6963	-0.0494	-0.0492	0.4943	0.3957
975	16.5	16.5	0.1579	0.0337	0.5043	0.6959	-0.0687	-0.0498	0.5208	0.4023
976	16.7	16.5	0.16	0.034	0.5012	0.6952	-0.0633	-0.0604	0.5187	0.395
977	16.3	16.6	0.1592	0.034	0.5004	0.6936	-0.0538	-0.0725	0.5213	0.395
978	16.2	16.6	0.1572	0.0339	0.5014	0.6926	-0.067	-0.0816	0.5325	0.3839
979	16.7	16.7	0.1569	0.0344	0.5015	0.6928	-0.0872	-0.0774	0.5386	0.374
980	16.8	16.8	0.1572	0.0354	0.5008	0.6935	-0.1	-0.0696	0.5453	0.3757
981	17.1	16.8	0.1575	0.0366	0.5002	0.6943	-0.1374	-0.0613	0.5765	0.3777
982	17	16.9	0.1583	0.0355	0.5006	0.6944	-0.1442	-0.0657	0.5889	0.3789
983	17.3	17	0.1581	0.0362	0.4984	0.6928	-0.139	-0.0776	0.6179	0.4014
984	17	17.1	0.1575	0.0365	0.4983	0.6923	-0.0959	-0.0949	0.6088	0.418
985	17.5	17.3	0.1585	0.0365	0.4958	0.6908	-0.0531	-0.1131	0.6043	0.4382
986	17.3	17.4	0.1586	0.0357	0.4966	0.6909	-0.0445	-0.1141	0.5967	0.4381
987	17.2	17.6	0.1584	0.0361	0.4967	0.6912	-0.0438	-0.1192	0.5959	0.4329
988	16.8	17.7	0.1574	0.0365	0.4968	0.6907	-0.049	-0.1059	0.5905	0.4357
989	17.5	17.9	0.1582	0.0367	0.4954	0.6902	-0.0612	-0.1037	0.6097	0.4448
990	17.7	18	0.1579	0.0366	0.4942	0.6887	-0.0693	-0.0859	0.604	0.4488

991	17.4	18.1	0.1566	0.0359	0.4953	0.6878	-0.0759	-0.0598	0.5819	0.4462
992	17.9	18.2	0.1561	0.0329	0.4992	0.6882	-0.0627	-0.053	0.5602	0.4445
993	18.9	18.3	0.1573	0.0301	0.5001	0.6875	-0.0871	-0.0657	0.5899	0.4371
994	19	18.4	0.1578	0.03	0.4985	0.6862	-0.0997	-0.0638	0.584	0.4206
995	19.2	18.5	0.1574	0.0308	0.4974	0.6856	-0.0998	-0.0587	0.5633	0.4048
996	19.1	18.5	0.158	0.032	0.4953	0.6853	-0.1109	-0.0502	0.5458	0.3847
997	18.8	18.6	0.1584	0.0308	0.4966	0.6859	-0.1064	-0.0168	0.5064	0.3832
998	20	18.7	0.1582	0.0304	0.4973	0.6859	-0.1028	-0.0178	0.499	0.3784
999	18.6	18.8	0.1607	0.0311	0.4928	0.6846	-0.1051	-0.0358	0.5335	0.3925
1000	19	18.8	0.1604	0.0281	0.4956	0.6841	-0.0945	-0.0182	0.5301	0.4174
1001	18.8	18.9	0.1624	0.0286	0.4933	0.6843	-0.0861	-0.0039	0.5111	0.4211
1002	19.6	18.9	0.1642	0.0291	0.4907	0.684	-0.0826	0.0014	0.5083	0.4271
1003	19.3	18.8	0.1644	0.03	0.4905	0.6849	-0.117	0.0107	0.5383	0.4321
1004	18.8	18.7	0.1621	0.0304	0.491	0.6835	-0.1417	0.002	0.5726	0.4328
1005	18.7	18.7	0.1619	0.0308	0.4913	0.684	-0.1443	-0.0099	0.5828	0.4286
1006	18.9	18.6	0.1623	0.0313	0.4897	0.6834	-0.1526	-0.0212	0.6023	0.4284
1007	18.8	18.5	0.1645	0.0314	0.4876	0.6834	-0.1576	-0.0442	0.6185	0.4166
1008	18.5	18.4	0.1659	0.03	0.4874	0.6834	-0.1518	-0.0178	0.5666	0.397
1009	18.3	18.3	0.1648	0.0282	0.4892	0.6822	-0.1359	0.0001	0.5332	0.3974
1010	18.3	18.3	0.1646	0.0276	0.4892	0.6814	-0.1313	-0.0117	0.5348	0.3918
1011	17.8	18.3	0.1644	0.0278	0.4896	0.6818	-0.1204	-0.0371	0.55	0.3925
1012	17.6	18.2	0.1647	0.0277	0.4899	0.6823	-0.1331	-0.032	0.5598	0.3947
1013	17.9	18.2	0.164	0.0262	0.4924	0.6826	-0.1521	-0.0311	0.574	0.3909
1014	17.9	18.2	0.1631	0.0268	0.4916	0.6815	-0.1478	-0.0227	0.5523	0.3818
1015	17.5	18.3	0.1652	0.0271	0.4895	0.6818	-0.149	-0.0101	0.5319	0.3729
1016	17.7	18.3	0.1638	0.0249	0.4923	0.681	-0.1415	-0.0088	0.5364	0.3861
1017	17.7	18.3	0.1616	0.0237	0.4935	0.6788	-0.1241	0.0004	0.5205	0.3968
1018	17.8	18.3	0.1601	0.0238	0.494	0.6779	-0.1221	-0.0015	0.5148	0.3912
1019	18.4	18.3	0.1607	0.0246	0.4923	0.6776	-0.1454	0.0029	0.5194	0.3768
1020	17.9	18.3	0.1596	0.0249	0.4928	0.6773	-0.1403	0.0134	0.4997	0.3728
1021	18.5	18.4	0.158	0.025	0.4929	0.6759	-0.142	0.0371	0.4831	0.3781
1022	19.2	18.4	0.1567	0.0249	0.4932	0.6749	-0.146	0.0448	0.4876	0.3864
1023	19.4	18.4	0.157	0.0247	0.4923	0.674	-0.1412	0.0377	0.4928	0.3892
1024	19.9	18.4	0.158	0.0249	0.4909	0.6737	-0.1656	0.0437	0.5219	0.4
1025	19	18.5	0.1581	0.0256	0.4907	0.6745	-0.16	0.0504	0.5244	0.4148
1026	18.2	18.5	0.1587	0.0264	0.49	0.6751	-0.1398	0.0652	0.4877	0.413
1027	18.7	18.6	0.1599	0.0271	0.4889	0.6759	-0.114	0.0779	0.4532	0.417

1028	18.6	18.6	0.1607	0.0275	0.4884	0.6766	-0.1198	0.0976	0.4257	0.4035
1029	18.8	18.6	0.1616	0.0282	0.4863	0.6761	-0.1465	0.1191	0.4299	0.4026
1030	18.5	18.6	0.1644	0.0283	0.4834	0.6761	-0.1758	0.1445	0.4304	0.3992
1031	18.4	18.5	0.1641	0.0285	0.4834	0.676	-0.175	0.1775	0.42	0.4225
1032	17.7	18.5	0.163	0.029	0.4814	0.6734	-0.1687	0.1998	0.4075	0.4386
1033	18.5	18.5	0.1617	0.0296	0.4803	0.6715	-0.1608	0.1909	0.426	0.4562
1034	18.6	18.4	0.1607	0.0309	0.4783	0.67	-0.1757	0.205	0.4246	0.4538
1035	18.5	18.4	0.1608	0.0318	0.4782	0.6708	-0.1963	0.2137	0.4371	0.4545
1036	18.3	18.4	0.1614	0.0325	0.4778	0.6717	-0.1924	0.2181	0.4132	0.4389
1037	18.2	18.3	0.1642	0.0318	0.4757	0.6717	-0.1968	0.2128	0.4221	0.4382
1038	18.3	18.2	0.1662	0.0314	0.4736	0.6712	-0.1949	0.217	0.415	0.4371
1039	17.8	18.2	0.1667	0.0315	0.4718	0.6701	-0.2038	0.2162	0.4262	0.4387
1040	17.9	18.1	0.1659	0.0314	0.4721	0.6695	-0.1998	0.2209	0.4133	0.4344
1041	18.4	18.1	0.1644	0.0316	0.4727	0.6686	-0.2211	0.1933	0.4328	0.4049
1042	18.5	18.2	0.1644	0.0314	0.4723	0.6681	-0.2341	0.1829	0.4414	0.3902
1043	18.4	18.1	0.1657	0.0301	0.4725	0.6682	-0.2376	0.1488	0.4891	0.4002
1044	19	18.1	0.1657	0.03	0.4721	0.6678	-0.2153	0.1277	0.473	0.3853
1045	17.9	18	0.1668	0.03	0.4718	0.6686	-0.1976	0.1359	0.4397	0.3779
1046	17	18	0.1666	0.0287	0.4724	0.6677	-0.1857	0.1382	0.4269	0.3794
1047	17	18	0.1669	0.0291	0.4707	0.6667	-0.1747	0.1524	0.3949	0.3726
1048	18.1	18	0.1677	0.0297	0.4679	0.6653	-0.163	0.1405	0.4096	0.3872
1049	18.2	18	0.1672	0.0275	0.4686	0.6633	-0.16	0.1407	0.422	0.4027
1050	18.2	18	0.1663	0.0261	0.4704	0.6628	-0.1246	0.1609	0.365	0.4013
1051	18.1	18	0.1656	0.0264	0.4702	0.6622	-0.1221	0.1376	0.3905	0.406
1052	17.6	17.9	0.1665	0.027	0.4682	0.6617	-0.1222	0.132	0.4006	0.4104
1053	17.7	17.9	0.1681	0.0277	0.4659	0.6617	-0.1118	0.1341	0.388	0.4103
1054	18	17.8	0.1686	0.0291	0.4648	0.6625	-0.1127	0.1445	0.3884	0.4202
1055	17.7	17.8	0.1692	0.0302	0.4629	0.6623	-0.1454	0.1541	0.4172	0.4259
1056	17.8	17.8	0.1701	0.0313	0.461	0.6624	-0.1795	0.1673	0.4578	0.4457
1057	18.5	17.9	0.1701	0.0301	0.4625	0.6627	-0.2187	0.1776	0.4871	0.446
1058	18	17.9	0.1701	0.0289	0.4634	0.6625	-0.2151	0.178	0.4834	0.4463
1059	17.9	17.8	0.1698	0.0291	0.4632	0.6622	-0.2154	0.1597	0.5193	0.4636
1060	17.8	17.8	0.169	0.0292	0.4635	0.6617	-0.2234	0.1313	0.5452	0.4531
1061	17.8	17.9	0.1691	0.0276	0.4646	0.6612	-0.2296	0.1267	0.5614	0.4585
1062	17	17.9	0.171	0.0274	0.4626	0.661	-0.2263	0.1329	0.5627	0.4693
1063	17.3	18	0.1716	0.0279	0.4623	0.6617	-0.2112	0.1393	0.5654	0.4934
1064	18.2	18.2	0.173	0.0287	0.4611	0.6628	-0.2273	0.1219	0.596	0.4905

1065	18.1	18.3	0.1723	0.0292	0.4599	0.6614	-0.2523	0.1237	0.6009	0.4723
1066	18	18.4	0.1708	0.0298	0.4599	0.6605	-0.2334	0.1259	0.5859	0.4784
1067	17.9	18.5	0.1696	0.0299	0.4603	0.6599	-0.25	0.0974	0.6329	0.4804
1068	17.6	18.7	0.1709	0.0307	0.4582	0.6598	-0.2747	0.081	0.6518	0.4581
1069	18	18.8	0.1719	0.0311	0.4565	0.6595	-0.2889	0.0854	0.6528	0.4493
1070	18.7	18.9	0.1718	0.03	0.4575	0.6593	-0.2699	0.1001	0.6175	0.4478
1071	19	19.1	0.1713	0.029	0.4578	0.6582	-0.2568	0.1104	0.5941	0.4477
1072	19.7	19.3	0.1716	0.0289	0.4572	0.6577	-0.2647	0.1171	0.5847	0.4371
1073	20.2	19.4	0.1727	0.0285	0.4548	0.656	-0.2715	0.101	0.5941	0.4235
1074	19.9	19.5	0.1727	0.0282	0.4539	0.6548	-0.2678	0.0966	0.5908	0.4196
1075	20.3	19.6	0.1719	0.0272	0.4555	0.6546	-0.2533	0.0996	0.5775	0.4238
1076	20.4	19.8	0.1714	0.0262	0.4559	0.6535	-0.2602	0.1073	0.5821	0.4292
1077	20.9	19.9	0.1712	0.0242	0.4578	0.6533	-0.2524	0.1092	0.5949	0.4517
1078	20.4	20	0.1719	0.022	0.4584	0.6523	-0.2516	0.1197	0.5909	0.459
1079	20.4	20.2	0.1745	0.0199	0.4585	0.6529	-0.24	0.126	0.5815	0.4675
1080	20.2	20.3	0.1747	0.0177	0.4588	0.6512	-0.2223	0.1319	0.5536	0.4632
1081	21	20.2	0.1744	0.0166	0.4595	0.6505	-0.1672	0.1341	0.5074	0.4744
1082	20.6	20.1	0.1743	0.0164	0.458	0.6488	-0.1594	0.1344	0.5021	0.4771
1083	20	20	0.1757	0.0157	0.456	0.6474	-0.1303	0.1406	0.4509	0.4612
1084	19.9	19.9	0.1771	0.0151	0.4546	0.6469	-0.1323	0.1447	0.43	0.4424
1085	20.2	19.8	0.1777	0.0147	0.4545	0.6469	-0.135	0.1569	0.4097	0.4316
1086	20.1	19.7	0.1783	0.0145	0.4544	0.6471	-0.1121	0.1693	0.383	0.4403
1087	20.8	19.5	0.1779	0.0144	0.4552	0.6475	-0.09	0.1769	0.3656	0.4526
1088	21.3	19.4	0.1778	0.0149	0.4542	0.6468	-0.0602	0.1657	0.3571	0.4626
1089	19.5	19.3	0.1781	0.0146	0.4541	0.6468	-0.0244	0.156	0.3423	0.474
1090	18.2	19.2	0.18	0.0172	0.4509	0.6482	-0.0031	0.1623	0.3116	0.4709
1091	17.9	19	0.18	0.0176	0.4512	0.6488	-0.0054	0.1584	0.3238	0.4768
1092	17.9	18.9	0.1799	0.018	0.4503	0.6481	-0.0171	0.1537	0.3307	0.4673
1093	18.1	18.8	0.1789	0.0173	0.4528	0.649	-0.0092	0.1444	0.3358	0.471
1094	18.5	18.8	0.1775	0.0164	0.4545	0.6484	-0.0014	0.1231	0.3539	0.4755
1095	18	18.7	0.176	0.017	0.4547	0.6477	-0.0083	0.1293	0.3562	0.4773
1096	17.6	18.7	0.1754	0.0168	0.4558	0.648	-0.0003	0.1433	0.336	0.4789
1097	18	18.5	0.1747	0.0168	0.4557	0.6472	-0.0099	0.132	0.3393	0.4613
1098	18.5	18.5	0.1742	0.0163	0.4551	0.6456	-0.0021	0.1347	0.3168	0.4494
1099	18.3	18.5	0.1732	0.015	0.4563	0.6445	0.0176	0.1368	0.281	0.4353
1100	17.8	18.6	0.1726	0.0144	0.4565	0.6435	0.0188	0.1196	0.2865	0.4248
1101	18.1	18.7	0.1746	0.0154	0.4532	0.6433	0.0199	0.1103	0.3015	0.4317

1102	19	18.7	0.1754	0.0156	0.4519	0.643	0.0184	0.1098	0.3025	0.4307
1103	18.8	18.8	0.1757	0.0155	0.4516	0.6429	0.0327	0.1155	0.2808	0.429
1104	18.8	18.8	0.1767	0.0149	0.4493	0.6409	0.0518	0.1295	0.2618	0.4431
1105	19.4	18.8	0.1798	0.0141	0.4455	0.6394	0.057	0.1516	0.2664	0.4751
1106	18.7	18.9	0.1842	0.0136	0.441	0.6388	0.0617	0.1652	0.2515	0.4784
1107	20.1	18.9	0.186	0.0136	0.4392	0.6388	0.0779	0.1679	0.2574	0.5032
1108	19.4	18.8	0.1874	0.0141	0.4355	0.637	0.0821	0.1076	0.3057	0.4954
1109	19.9	18.8	0.1871	0.0151	0.4347	0.6369	0.1051	0.0912	0.302	0.4983
1110	19.9	18.8	0.1876	0.015	0.433	0.6356	0.1074	0.0902	0.3047	0.5022
1111	19.3	18.7	0.187	0.0145	0.4333	0.6348	0.1133	0.1054	0.3001	0.5188
1112	18.6	18.7	0.1859	0.0137	0.4334	0.633	0.129	0.1027	0.3062	0.538
1113	18.9	18.6	0.1867	0.014	0.4328	0.6335	0.1581	0.1159	0.2779	0.552
1114	18.8	18.6	0.1883	0.0145	0.4315	0.6343	0.1733	0.1246	0.2765	0.5744
1115	18.4	18.5	0.1885	0.0145	0.4309	0.634	0.1983	0.1189	0.276	0.5933
1116	17.7	18.5	0.1888	0.0152	0.429	0.6329	0.1996	0.1019	0.2791	0.5806
1117	17.7	18.3	0.1891	0.0156	0.4283	0.633	0.187	0.0841	0.2975	0.5686
1118	17.6	18.2	0.189	0.0153	0.4287	0.633	0.1694	0.0585	0.3267	0.5546
1119	17.6	18.1	0.1877	0.0146	0.4306	0.6328	0.1793	0.0434	0.3272	0.5499
1120	17.4	18.1	0.1853	0.0139	0.4334	0.6325	0.1944	0.0223	0.3316	0.5483
1121	18	18	0.1845	0.0133	0.4345	0.6322	0.1965	0.0033	0.3486	0.5484
1122	18	18	0.1839	0.0148	0.4338	0.6325	0.1902	-0.0085	0.3793	0.561
1123	17.8	17.9	0.1838	0.015	0.4333	0.6321	0.1744	-0.0223	0.3963	0.5483
1124	18.2	17.9	0.1833	0.0149	0.4331	0.6314	0.1846	-0.0315	0.3838	0.5369
1125	17.6	17.9	0.1842	0.0149	0.4325	0.6316	0.1908	-0.0263	0.3729	0.5375
1126	17.5	18	0.1839	0.0155	0.4305	0.6299	0.1911	-0.0344	0.3895	0.5462
1127	17.9	18	0.1851	0.0151	0.4298	0.63	0.1892	-0.0462	0.4037	0.5467
1128	17.8	18.1	0.1847	0.0149	0.4302	0.6298	0.1986	-0.0623	0.4201	0.5564
1129	18.3	18.3	0.1838	0.015	0.4309	0.6298	0.2181	-0.0781	0.4226	0.5625
1130	18.1	18.4	0.1811	0.0149	0.4327	0.6287	0.2412	-0.0906	0.4269	0.5775
1131	18.2	18.5	0.18	0.0151	0.4332	0.6283	0.233	-0.1035	0.4361	0.5656
1132	18.3	18.6	0.1761	0.015	0.4363	0.6273	0.2244	-0.1131	0.4447	0.556
1133	18.2	18.7	0.1749	0.0151	0.4373	0.6273	0.2294	-0.113	0.4293	0.5458
1134	18.3	18.7	0.1742	0.0152	0.4374	0.6269	0.2379	-0.1161	0.4167	0.5386
1135	18.8	18.8	0.172	0.0149	0.4399	0.6268	0.2433	-0.1142	0.4068	0.5359
1136	18.6	18.9	0.1704	0.0148	0.4412	0.6264	0.2474	-0.1157	0.3993	0.531
1137	19.9	18.9	0.1702	0.0152	0.44	0.6254	0.2454	-0.115	0.3975	0.5279
1138	20	19	0.1686	0.0158	0.4394	0.6238	0.2454	-0.1029	0.3998	0.5423

1139	19.9	19	0.1671	0.0153	0.4406	0.623	0.2486	-0.0907	0.3785	0.5364
1140	19.7	19	0.1664	0.0156	0.4398	0.6218	0.2613	-0.093	0.3685	0.5367
1141	19.7	19	0.1661	0.0162	0.4396	0.6219	0.2771	-0.0475	0.3295	0.5591
1142	19.3	19	0.1653	0.017	0.4387	0.621	0.2746	-0.0242	0.3215	0.5718
1143	19	19	0.1658	0.0177	0.4371	0.6207	0.2684	-0.0067	0.3008	0.5625
1144	19.6	19	0.1666	0.017	0.4365	0.6201	0.2541	-0.0077	0.3181	0.5645
1145	19.4	19	0.1668	0.0157	0.4382	0.6207	0.2437	-0.0032	0.3276	0.5681
1146	18.7	19	0.1676	0.0155	0.4385	0.6216	0.2233	0.0063	0.3274	0.557
1147	18.3	18.9	0.1672	0.0157	0.439	0.6218	0.2209	0.0044	0.3433	0.5686
1148	18.2	18.8	0.166	0.0161	0.4398	0.6218	0.2237	0.0007	0.3508	0.5751
1149	18.5	18.7	0.1653	0.0156	0.44	0.6208	0.2237	-0.0051	0.3453	0.5639
1150	18.3	18.6	0.1643	0.0151	0.4402	0.6196	0.2191	-0.0144	0.3477	0.5524
1151	18.2	18.5	0.1637	0.0154	0.4399	0.6191	0.2219	-0.0177	0.3415	0.5457
1152	18.9	18.4	0.1632	0.0154	0.4401	0.6188	0.2503	-0.0014	0.3065	0.5553
1153	18.7	18.3	0.1629	0.0147	0.4397	0.6174	0.2595	-0.003	0.3027	0.5592
1154	18.5	18.2	0.1629	0.0139	0.4382	0.615	0.2611	-0.0235	0.327	0.5646
1155	17.9	18.1	0.163	0.0137	0.4377	0.6144	0.2651	-0.0501	0.333	0.548
1156	18.1	18.1	0.1623	0.0145	0.4353	0.6121	0.3043	-0.0711	0.2959	0.5291
1157	18.3	18	0.1619	0.0193	0.4319	0.6132	0.3593	-0.0803	0.2441	0.5231
1158	18	18	0.1596	0.0198	0.4332	0.6126	0.3854	-0.0773	0.2252	0.5334
1159	18.3	17.9	0.1591	0.0201	0.4328	0.6119	0.3967	-0.0756	0.2013	0.5223
1160	17.6	17.8	0.1577	0.0187	0.4335	0.6098	0.3891	-0.0731	0.2148	0.5308
1161	17.7	17.8	0.1562	0.0173	0.4339	0.6074	0.391	-0.07	0.2002	0.5212
1162	17.4	17.7	0.1552	0.0158	0.4348	0.6058	0.3912	-0.0808	0.2047	0.5151
1163	17.9	17.7	0.1542	0.0154	0.4346	0.6043	0.3819	-0.1047	0.2167	0.4939
1164	17.6	17.6	0.1532	0.0168	0.4335	0.6034	0.3886	-0.1052	0.2136	0.4971
1165	17.1	17.6	0.1524	0.019	0.432	0.6034	0.4064	-0.1133	0.2082	0.5013
1166	17	17.6	0.1521	0.0214	0.4302	0.6037	0.4089	-0.1304	0.2151	0.4936
1167	17.2	17.5	0.1527	0.0241	0.4277	0.6045	0.4111	-0.1347	0.2112	0.4876
1168	17.3	17.5	0.1529	0.0264	0.4255	0.6048	0.412	-0.1354	0.2171	0.4937
1169	16.9	17.5	0.1525	0.0289	0.4233	0.6047	0.4103	-0.1362	0.2313	0.5054
1170	17.5	17.6	0.1521	0.0297	0.4226	0.6044	0.3999	-0.1446	0.2543	0.5097
1171	17.7	17.7	0.1523	0.0299	0.4199	0.6021	0.3821	-0.1673	0.294	0.5087
1172	17.9	17.7	0.1542	0.0311	0.4176	0.6029	0.3806	-0.1819	0.316	0.5147
1173	17	17.8	0.1543	0.0316	0.4164	0.6023	0.3847	-0.1737	0.3192	0.5302
1174	17.9	17.9	0.1536	0.0309	0.4166	0.6011	0.3813	-0.1732	0.3383	0.5464
1175	17.6	18	0.1528	0.0307	0.4165	0.6	0.3835	-0.167	0.3325	0.5491

1176	17.3	18	0.1525	0.0308	0.4155	0.5989	0.3925	-0.1595	0.3309	0.5639
1177	17.9	18.1	0.1514	0.0305	0.4158	0.5976	0.3893	-0.1502	0.3134	0.5525
1178	18.5	18.1	0.1501	0.0298	0.4162	0.596	0.4035	-0.1512	0.3025	0.5548
1179	18.9	18.2	0.1503	0.029	0.4158	0.5951	0.4073	-0.1537	0.3008	0.5545
1180	18.7	18.2	0.1514	0.028	0.4152	0.5946	0.4	-0.1563	0.3131	0.5568
1181	18.8	18.1	0.1519	0.0279	0.415	0.5949	0.3744	-0.1611	0.3376	0.5509
1182	18.8	18.2	0.1514	0.0277	0.4151	0.5942	0.3633	-0.1609	0.352	0.5544
1183	19	18.2	0.1519	0.0273	0.4143	0.5935	0.3222	-0.1654	0.3883	0.545
1184	19.4	18.2	0.1528	0.0265	0.4139	0.5933	0.312	-0.1453	0.3851	0.5519
1185	18.3	18.2	0.153	0.0262	0.4146	0.5938	0.3079	-0.135	0.3841	0.5569
1186	17.9	18.2	0.1537	0.026	0.4146	0.5943	0.286	-0.1431	0.4221	0.565
1187	17.6	18.1	0.1534	0.0247	0.4152	0.5933	0.2709	-0.1461	0.4442	0.569
1188	18.3	18.1	0.1529	0.0239	0.4163	0.5932	0.2681	-0.1545	0.444	0.5576
1189	17.5	18	0.152	0.0239	0.4172	0.5931	0.2569	-0.1566	0.4396	0.5398
1190	17.4	17.9	0.1523	0.022	0.418	0.5923	0.2405	-0.1573	0.4543	0.5375
1191	18	17.9	0.1525	0.02	0.419	0.5916	0.2344	-0.1647	0.4577	0.5274
1192	18.3	17.9	0.153	0.0186	0.4202	0.5919	0.233	-0.1688	0.4556	0.5198
1193	17.4	17.8	0.1535	0.0181	0.421	0.5925	0.2253	-0.1598	0.4443	0.5099
1194	16.8	17.7	0.1532	0.0167	0.4217	0.5916	0.2304	-0.155	0.4387	0.514
1195	17.3	17.7	0.1537	0.0163	0.422	0.592	0.2372	-0.163	0.4416	0.5158
1196	17.8	17.6	0.1533	0.0164	0.4214	0.5911	0.2365	-0.1704	0.4641	0.5302
1197	16.8	17.6	0.1524	0.0167	0.4206	0.5897	0.2397	-0.1596	0.466	0.5461
1198	17.1	17.5	0.1518	0.0168	0.4206	0.5892	0.2286	-0.1493	0.4768	0.556
1199	18.1	17.5	0.1513	0.0164	0.4215	0.5892	0.2106	-0.1418	0.4901	0.559
1200	18.2	17.5	0.1504	0.0161	0.4224	0.5889	0.2022	-0.1477	0.4995	0.554
1201	18	17.4	0.1496	0.0156	0.4226	0.5878	0.1941	-0.1529	0.5076	0.5488
1202	18	17.4	0.1495	0.0159	0.4217	0.5871	0.1871	-0.1502	0.5028	0.5397
1203	17.8	17.4	0.1496	0.0179	0.4189	0.5864	0.1759	-0.1537	0.5007	0.523
1204	17.3	17.4	0.1502	0.0199	0.416	0.5861	0.173	-0.1616	0.4852	0.4967
1205	17.2	17.3	0.1494	0.0212	0.4159	0.5865	0.1748	-0.1745	0.4715	0.4719
1206	17	17.3	0.1483	0.0216	0.4166	0.5865	0.1911	-0.175	0.47	0.4861
1207	16.7	17.3	0.1474	0.0213	0.4167	0.5854	0.1962	-0.1688	0.4468	0.4742
1208	16.9	17.4	0.1478	0.0216	0.4154	0.5848	0.2068	-0.123	0.4105	0.4944
1209	17.6	17.4	0.1482	0.0224	0.4132	0.5838	0.1803	-0.1203	0.4384	0.4984
1210	17	17.3	0.1485	0.022	0.413	0.5835	0.172	-0.0958	0.4183	0.4945
1211	17.6	17.4	0.1479	0.0226	0.4128	0.5833	0.1528	-0.0564	0.3685	0.465
1212	16.8	17.4	0.1477	0.0242	0.4117	0.5836	0.1385	-0.0925	0.3889	0.4349

1213	16.6	17.4	0.1478	0.0246	0.4114	0.5838	0.1297	-0.1142	0.404	0.4196
1214	17.1	17.4	0.1476	0.0258	0.4107	0.5841	0.1198	-0.1208	0.4085	0.4074
1215	17	17.5	0.1476	0.0275	0.4094	0.5846	0.1126	-0.1214	0.4093	0.4004
1216	17.3	17.5	0.1477	0.0286	0.4079	0.5842	0.0999	-0.1066	0.4132	0.4065
1217	17.6	17.6	0.1479	0.0291	0.4066	0.5836	0.0944	-0.0753	0.4057	0.4248
1218	18	17.6	0.148	0.0289	0.4056	0.5825	0.1078	-0.0517	0.3908	0.4469
1219	18.1	17.6	0.1477	0.029	0.4051	0.5819	0.1099	-0.0398	0.3734	0.4434
1220	18.3	17.7	0.1471	0.0306	0.404	0.5816	0.099	0.0332	0.3037	0.4359
1221	18	17.7	0.1464	0.0315	0.4029	0.5808	0.0935	0.0514	0.295	0.4398
1222	18.3	17.8	0.1454	0.0322	0.4019	0.5795	0.087	0.0558	0.2787	0.4216
1223	18.1	17.9	0.1457	0.0324	0.3994	0.5774	0.1049	0.0667	0.2641	0.4357
1224	17.8	17.9	0.145	0.0316	0.3999	0.5765	0.1029	0.0663	0.2545	0.4237
1225	17.9	18	0.1449	0.0308	0.3994	0.5752	0.0984	0.0583	0.2613	0.4179
1226	18.3	18.1	0.145	0.0305	0.3991	0.5747	0.0865	0.0628	0.2715	0.4209
1227	17.8	18.2	0.1447	0.0302	0.3996	0.5745	0.0787	0.0625	0.2647	0.406
1228	17.6	18.2	0.144	0.0303	0.4001	0.5744	0.0664	0.0643	0.2537	0.3844
1229	17.6	18.2	0.1438	0.0307	0.3996	0.5741	0.0637	0.0682	0.2387	0.3705
1230	18	18.2	0.1437	0.031	0.3989	0.5736	0.076	0.0581	0.2398	0.3739
1231	18	18.2	0.1437	0.0312	0.398	0.5728	0.0856	0.0522	0.243	0.3808
1232	18.9	18.3	0.1439	0.0315	0.3974	0.5728	0.0919	0.0572	0.2402	0.3892
1233	18.2	18.3	0.1437	0.0296	0.3987	0.5721	0.0914	0.0679	0.2266	0.3859
1234	18	18.3	0.1435	0.0287	0.399	0.5712	0.0922	0.0715	0.2089	0.3726
1235	19.3	18.4	0.1434	0.0292	0.3977	0.5703	0.0991	0.0566	0.2079	0.3637
1236	18.8	18.4	0.1433	0.0294	0.3968	0.5695	0.0976	0.0437	0.2217	0.3631
1237	18.3	18.4	0.1434	0.0306	0.3956	0.5697	0.1116	0.044	0.2207	0.3762
1238	18.1	18.4	0.1429	0.0315	0.3954	0.5698	0.1172	0.0364	0.2271	0.3807
1239	17.9	18.4	0.143	0.031	0.3952	0.5692	0.1281	0.0293	0.2315	0.3889
1240	19.5	18.4	0.143	0.032	0.394	0.569	0.1547	0.0306	0.2302	0.4155
1241	18.7	18.4	0.1428	0.0331	0.394	0.5699	0.1346	0.0079	0.2413	0.3838
1242	18.8	18.3	0.1428	0.0329	0.3943	0.57	0.1255	-0.0118	0.2556	0.3693
1243	18.8	18.3	0.1428	0.0332	0.3932	0.5693	0.1381	-0.0307	0.2584	0.3658
1244	18.5	18.4	0.1429	0.0333	0.3923	0.5685	0.1535	-0.0352	0.2676	0.386
1245	18.6	18.3	0.1432	0.0327	0.3918	0.5677	0.1527	-0.042	0.2807	0.3914
1246	18.5	18.2	0.1436	0.0315	0.3919	0.567	0.1592	-0.0451	0.2947	0.4089
1247	17.5	18.2	0.1443	0.0306	0.3913	0.5662	0.1534	-0.0436	0.3027	0.4125
1248	17.8	18.2	0.1449	0.0302	0.3907	0.5659	0.1393	-0.0355	0.2989	0.4027
1249	17.8	18.2	0.1451	0.0303	0.39	0.5654	0.136	-0.0332	0.3	0.4028

1250	17.7	18	0.1449	0.0304	0.3895	0.5647	0.1312	-0.0392	0.3121	0.4041
1251	17.5	18	0.145	0.0304	0.3897	0.5651	0.1198	-0.0419	0.3172	0.3951
1252	18.2	17.9	0.1456	0.0308	0.39	0.5665	0.0943	-0.0451	0.3247	0.3739
1253	18.3	17.8	0.1456	0.0309	0.3912	0.5677	0.0894	-0.0397	0.3176	0.3673
1254	17.5	17.8	0.1454	0.0313	0.391	0.5678	0.0962	-0.0184	0.2895	0.3673
1255	17.9	17.7	0.1439	0.0312	0.3907	0.5658	0.1025	0.0063	0.2582	0.3671
1256	19	17.6	0.1427	0.0314	0.3906	0.5647	0.0962	0.0187	0.2609	0.3759
1257	17.3	17.6	0.1412	0.0316	0.3909	0.5637	0.0951	0.0187	0.2701	0.3838
1258	17.4	17.6	0.1416	0.0318	0.3894	0.5628	0.0928	0.0124	0.272	0.3772
1259	16.9	17.5	0.1419	0.0297	0.3909	0.5625	0.095	0.0181	0.2659	0.3791
1260	17.7	17.5	0.1424	0.0243	0.3966	0.5633	0.1156	0.0298	0.2404	0.3858
1261	17.5	17.5	0.1423	0.0265	0.3951	0.5639	0.1265	0.025	0.241	0.3926
1262	17.3	17.5	0.1422	0.0272	0.3944	0.5639	0.1256	0.0332	0.246	0.4048
1263	17	17.5	0.1423	0.0275	0.3938	0.5636	0.1218	0.0538	0.2377	0.4133
1264	17.1	17.5	0.1419	0.0289	0.3926	0.5634	0.1229	0.0591	0.2406	0.4226
1265	16.7	17.5	0.1424	0.0296	0.3907	0.5627	0.1186	0.0734	0.2368	0.4288
1266	17.3	17.4	0.1427	0.0289	0.3896	0.5612	0.1191	0.0894	0.2235	0.432
1267	17.6	17.5	0.1419	0.0293	0.3886	0.5598	0.1245	0.0986	0.2059	0.429
1268	17.2	17.5	0.1419	0.0304	0.3881	0.5605	0.1303	0.1043	0.1932	0.4278
1269	17.7	17.5	0.1426	0.0256	0.393	0.5611	0.132	0.1034	0.1877	0.4231
1270	17.8	17.5	0.1428	0.0245	0.3931	0.5605	0.0605	0.1054	0.2588	0.4248
1271	17.4	17.6	0.1436	0.0243	0.392	0.5599	0.0339	0.1186	0.2702	0.4226
1272	17.7	17.6	0.1437	0.0244	0.3912	0.5593	0.0572	0.1282	0.2476	0.4331
1273	18.5	17.6	0.144	0.025	0.391	0.56	0.052	0.1396	0.2296	0.4212
1274	18.1	17.6	0.1438	0.025	0.3905	0.5593	0.0671	0.1445	0.1889	0.4005
1275	17.4	17.6	0.1441	0.0244	0.3894	0.5579	0.0709	0.1361	0.2016	0.4086
1276	17.8	17.5	0.1446	0.0246	0.3891	0.5583	0.0685	0.1328	0.2028	0.404
1277	17.9	17.5	0.1447	0.024	0.3904	0.5592	0.0739	0.1328	0.1931	0.3998
1278	17.7	17.4	0.1437	0.023	0.3923	0.559	0.0793	0.1261	0.1985	0.4038
1279	17.8	17.4	0.1427	0.0232	0.3918	0.5577	0.0812	0.1189	0.2225	0.4226
1280	17.7	17.3	0.1429	0.0228	0.3909	0.5566	0.079	0.1242	0.221	0.4243
1281	17.5	17.3	0.1428	0.0222	0.391	0.5559	0.0762	0.1203	0.2192	0.4157
1282	17.1	17.2	0.1423	0.021	0.3924	0.5556	0.0688	0.1117	0.2225	0.4031
1283	17.2	17.2	0.1427	0.0202	0.3934	0.5563	0.071	0.1119	0.22	0.4029
1284	16.8	17.1	0.1429	0.0209	0.3931	0.5569	0.0725	0.097	0.2204	0.39
1285	16.1	17.1	0.1432	0.0219	0.3924	0.5575	0.0656	0.0886	0.213	0.3673
1286	16.3	17.1	0.1426	0.0216	0.3926	0.5567	0.0674	0.0919	0.1933	0.3526

1287	16.3	17.1	0.1416	0.021	0.3925	0.5552	0.0714	0.0938	0.1826	0.3478
1288	16.9	17.2	0.1401	0.021	0.3932	0.5543	0.0745	0.1056	0.1698	0.3499
1289	17.1	17.2	0.1365	0.0208	0.3942	0.5515	0.0754	0.1128	0.1654	0.3535
1290	16.9	17.2	0.1389	0.0212	0.3938	0.5539	0.0724	0.1072	0.1667	0.3463
1291	16.8	17.2	0.14	0.0212	0.3935	0.5547	0.0729	0.1184	0.1569	0.3482
1292	17.1	17.3	0.1392	0.0217	0.3944	0.5553	0.0779	0.1287	0.1574	0.3641
1293	17.2	17.3	0.1381	0.0216	0.3942	0.5539	0.0739	0.1223	0.1641	0.3603
1294	16.7	17.4	0.1379	0.0209	0.3937	0.5525	0.0729	0.1233	0.1616	0.3578
1295	17.5	17.5	0.1377	0.0208	0.3925	0.5511	0.0709	0.1226	0.1547	0.3482
1296	18.4	17.6	0.138	0.0207	0.3912	0.5499	0.0637	0.1128	0.1519	0.3284
1297	18.8	17.7	0.1385	0.0203	0.3907	0.5494	0.0603	0.0966	0.1549	0.3117
1298	18.6	17.9	0.1382	0.0202	0.3906	0.549	0.0714	0.0886	0.1548	0.3148
1299	17.7	17.9	0.1381	0.0204	0.3903	0.5488	0.076	0.0878	0.1521	0.3159
1300	17.5	18.1	0.1384	0.0203	0.3907	0.5494	0.0732	0.0927	0.1487	0.3146
1301	18.4	18.2	0.1402	0.0201	0.3901	0.5504	0.0607	0.0951	0.1411	0.2968
1302	18.2	18.4	0.1405	0.0199	0.3899	0.5504	0.0558	0.0981	0.1439	0.2978
1303	17.6	18.4	0.14	0.0197	0.39	0.5497	0.062	0.1053	0.1454	0.3128
1304	18.3	18.6	0.1399	0.0193	0.3902	0.5494	0.0669	0.1046	0.1527	0.3242
1305	18.5	18.6	0.1398	0.0193	0.3898	0.5489	0.0662	0.1102	0.1606	0.337
1306	19.3	18.6	0.1388	0.0197	0.3896	0.5481	0.05	0.1091	0.1645	0.3236
1307	19.3	18.6	0.1381	0.0201	0.3895	0.5477	0.0349	0.1073	0.1641	0.3063
1308	18.4	18.6	0.1383	0.0198	0.3888	0.5469	0.0304	0.1103	0.1736	0.3142
1309	19.9	18.6	0.1366	0.0194	0.3892	0.5452	0.0403	0.1124	0.1576	0.3104
1310	19.3	18.6	0.1358	0.0195	0.3889	0.5442	0.047	0.0915	0.1745	0.3131
1311	19.2	18.6	0.1354	0.0193	0.3882	0.5429	0.0626	0.0354	0.2266	0.3246
1312	18.8	18.5	0.1355	0.0188	0.3879	0.5423	0.0691	0.0608	0.212	0.342
1313	19.3	18.5	0.1355	0.0187	0.3874	0.5416	0.0765	0.072	0.2013	0.3499
1314	18.1	18.5	0.1358	0.0185	0.387	0.5412	0.0795	0.0729	0.1956	0.3479
1315	18.4	18.3	0.1357	0.0186	0.3871	0.5414	0.0893	0.0847	0.1757	0.3497
1316	18.5	18.2	0.1352	0.0188	0.3873	0.5413	0.1111	0.0909	0.1483	0.3504
1317	18.1	18	0.1349	0.0187	0.3873	0.5408	0.1282	0.0834	0.1441	0.3558
1318	17.4	18	0.1348	0.0186	0.3868	0.5402	0.121	0.0896	0.1484	0.3589
1319	18	17.8	0.1416	0.0185	0.3793	0.5394	0.1099	0.0991	0.1521	0.3611
1320	17.8	17.6	0.1437	0.0187	0.3769	0.5394	0.1138	0.048	0.2025	0.3644
1321	18	17.5	0.1407	0.0186	0.3781	0.5374	0.1151	0.0404	0.2108	0.3663
1322	16.8	17.4	0.1402	0.0182	0.3789	0.5374	0.1245	0.0374	0.1979	0.3598
1323	17.7	17.3	0.1389	0.0179	0.3805	0.5374	0.1261	0.0356	0.1924	0.3542

1324	15.7	17.3	0.1379	0.018	0.3797	0.5356	0.1352	0.0375	0.1934	0.3661
1325	16.5	17.2	0.1381	0.0176	0.3791	0.5348	0.1257	0.0423	0.2087	0.3766
1326	17	17.1	0.1376	0.0172	0.3798	0.5347	0.1324	0.0388	0.1923	0.3635
1327	16.6	17	0.1368	0.0176	0.3797	0.5341	0.1395	0.0409	0.1974	0.3778
1328	16.4	16.9	0.1358	0.0184	0.3779	0.5321	0.1402	0.0348	0.2115	0.3866
1329	16.8	16.8	0.1359	0.0182	0.3775	0.5317	0.1217	0.0266	0.2334	0.3818
1330	17.3	16.7	0.136	0.019	0.377	0.532	0.1136	0.0254	0.2228	0.3618
1331	17.2	16.6	0.1368	0.02	0.3757	0.5325	0.119	0.0174	0.2101	0.3465
1332	16.6	16.6	0.1368	0.0203	0.3754	0.5325	0.1188	0.024	0.195	0.3378
1333	17.2	16.5	0.1364	0.0199	0.3767	0.5331	0.1144	0.0355	0.1938	0.3437
1334	16.9	16.6	0.1369	0.0199	0.3777	0.5344	0.1223	0.0248	0.2196	0.3667
1335	16.7	16.6	0.1367	0.02	0.3784	0.535	0.135	0.0339	0.2161	0.3849
1336	16	16.6	0.1362	0.02	0.3786	0.5347	0.1333	0.045	0.2163	0.3946
1337	16.1	16.7	0.1359	0.0201	0.3787	0.5347	0.118	0.0409	0.2227	0.3816
1338	16.5	16.7	0.1354	0.0202	0.3789	0.5344	0.1055	0.0353	0.2241	0.3648
1339	16	16.9	0.1358	0.0203	0.3785	0.5346	0.1053	0.0372	0.2269	0.3694
1340	15.9	16.9	0.1357	0.0202	0.3783	0.5342	0.0831	0.0339	0.227	0.344
1341	16.6	17	0.135	0.0202	0.3783	0.5335	0.1077	0.0352	0.2238	0.3668
1342	16	17.2	0.1354	0.0207	0.3778	0.534	0.1172	0.0323	0.2271	0.3766
1343	16.7	17.3	0.1355	0.0209	0.3771	0.5335	0.111	0.0363	0.2546	0.4019
1344	16.9	17.4	0.1358	0.0211	0.3768	0.5337	0.102	0.0357	0.2625	0.4002
1345	17.5	17.5	0.1368	0.0214	0.3766	0.5349	0.1077	0.0264	0.2528	0.387
1346	17.4	17.7	0.1376	0.0218	0.3764	0.5358	0.1081	0.0275	0.2336	0.3692
1347	17.9	17.9	0.1372	0.0217	0.3758	0.5347	0.0927	0.0305	0.2396	0.3628
1348	18.9	18	0.1373	0.0215	0.3755	0.5343	0.1041	0.0285	0.2344	0.367
1349	19	18.1	0.1377	0.0211	0.3752	0.534	0.0925	0.0279	0.2429	0.3633
1350	19.1	18.3	0.1388	0.0209	0.3754	0.535	0.0795	0.0314	0.2536	0.3645
1351	19.3	18.4	0.1394	0.0206	0.3753	0.5353	0.0669	0.0333	0.2697	0.3699
1352	19.1	18.5	0.1394	0.0203	0.3755	0.5352	0.0816	0.0313	0.2624	0.3753
1353	19.3	18.6	0.1389	0.0204	0.3759	0.5353	0.0847	0.0308	0.2613	0.3769
1354	19	18.6	0.1388	0.0203	0.375	0.5341	0.0885	0.0286	0.2573	0.3744
1355	19.1	18.6	0.1389	0.0203	0.3743	0.5335	0.1047	0.0252	0.2509	0.3808
1356	19.6	18.5	0.1392	0.0207	0.3742	0.5341	0.1155	0.0229	0.2431	0.3816
1357	18.6	18.5	0.1382	0.0206	0.3735	0.5323	0.1072	0.0225	0.2451	0.3748
1358	18.2	18.4	0.1376	0.0206	0.3736	0.5318	0.1086	0.0187	0.2428	0.3701
1359	19.1	18.3	0.1372	0.0205	0.3735	0.5312	0.12	0.0074	0.2374	0.3648
1360	18.6	18.1	0.1361	0.0208	0.3739	0.5308	0.1005	0.0008	0.2495	0.3508

1361	18.1	18	0.1354	0.0205	0.3738	0.5297	0.0806	0.0062	0.2576	0.3444
1362	17.9	17.9	0.1346	0.02	0.3743	0.5289	0.071	0.0059	0.2567	0.3335
1363	17.6	17.8	0.1343	0.0202	0.3742	0.5288	0.0746	-0.0013	0.2549	0.3282
1364	17	17.7	0.133	0.0204	0.375	0.5284	0.0703	-0.003	0.2489	0.3161
1365	16.8	17.6	0.1313	0.0206	0.3759	0.5277	0.0691	-0.0044	0.2435	0.3083
1366	16.8	17.5	0.1299	0.0205	0.3752	0.5256	0.0732	-0.0084	0.2451	0.3098
1367	16.6	17.4	0.1298	0.0203	0.3737	0.5239	0.0725	-0.0056	0.2452	0.3121
1368	17	17.3	0.1309	0.0205	0.3729	0.5243	0.0815	-0.0051	0.242	0.3184
1369	17	17.2	0.1312	0.0207	0.3727	0.5247	0.0993	-0.0064	0.236	0.3289
1370	16.3	17.2	0.1313	0.0205	0.3721	0.5238	0.1633	-0.006	0.1646	0.3219
1371	17.3	17.2	0.1311	0.0206	0.3722	0.5239	0.1876	-0.0016	0.143	0.329
1372	16.6	17.1	0.1311	0.0209	0.372	0.5239	0.1555	0.0114	0.1494	0.3163
1373	17.9	17.1	0.1304	0.0213	0.3716	0.5233	0.1553	0.0086	0.1605	0.3244
1374	17.2	17.1	0.1312	0.0208	0.3696	0.5216	0.153	0.0066	0.1783	0.3379
1375	17.6	17	0.1309	0.0205	0.3702	0.5216	0.1405	0.0089	0.1775	0.3269
1376	17	17	0.1307	0.0205	0.3693	0.5205	0.1407	0.0044	0.1842	0.3293
1377	16.5	17	0.1307	0.0205	0.3693	0.5205	0.1397	-0.003	0.1896	0.3263
1378	17.6	17.1	0.1315	0.0203	0.3689	0.5208	0.1402	-0.005	0.1848	0.32
1379	17.4	17.1	0.1314	0.0206	0.3695	0.5216	0.1376	0.0031	0.1684	0.3091
1380	17.5	17.2	0.131	0.021	0.3699	0.5219	0.1412	0.0035	0.1798	0.3245
1381	17.4	17.2	0.1309	0.0198	0.3715	0.5222	0.1143	0.0085	0.2155	0.3384
1382	17	17.2	0.1308	0.0174	0.373	0.5213	0.1099	0.0142	0.2225	0.3465
1383	16.3	17.2	0.1305	0.0177	0.3714	0.5196	0.1251	0.0146	0.214	0.3538
1384	16.4	17.3	0.1294	0.0175	0.3715	0.5184	0.1252	0.0065	0.2315	0.3632
1385	16.6	17.3	0.1299	0.0174	0.3708	0.518	0.1241	0.0032	0.2492	0.3765
1386	16.9	17.2	0.1308	0.0175	0.3703	0.5186	0.1138	0.0031	0.2577	0.3746
1387	17.8	17.3	0.1311	0.0175	0.3701	0.5187	0.1069	0.0085	0.2595	0.3749
1388	18	17.2	0.1296	0.0173	0.3705	0.5174	0.0956	0.0098	0.2675	0.3728
1389	17.3	17.2	0.1282	0.0174	0.3715	0.5171	0.105	0.012	0.2589	0.3759
1390	17.3	17.2	0.1281	0.0177	0.3714	0.5172	0.1118	0.0169	0.2605	0.3892
1391	17.4	17.2	0.1283	0.018	0.3708	0.517	0.1146	0.0151	0.2621	0.3919
1392	17.8	17.2	0.1281	0.0181	0.3689	0.5151	0.1098	0.0109	0.2828	0.4035
1393	18.3	17.3	0.1279	0.018	0.368	0.5139	0.1096	0.0197	0.2899	0.4191
1394	17.2	17.3	0.1271	0.0183	0.3684	0.5138	0.102	0.0228	0.2781	0.4029
1395	16.7	17.3	0.1269	0.0181	0.3692	0.5142	0.0797	0.0188	0.2935	0.392
1396	16.8	17.3	0.1287	0.0177	0.3672	0.5136	0.0842	0.0114	0.2978	0.3935
1397	16.9	17.3	0.128	0.0174	0.3673	0.5127	0.0943	0.0099	0.2896	0.3938

1398	17.2	17.3	0.129	0.0174	0.3663	0.5126	0.1013	0.0028	0.2813	0.3853
1399	17.2	17.3	0.1302	0.0172	0.365	0.5124	0.1118	-0.0067	0.2807	0.3859
1400	17.3	17.3	0.1317	0.017	0.3637	0.5124	0.1222	-0.0116	0.2772	0.3878
1401	17.4	17.3	0.132	0.0169	0.3639	0.5128	0.1433	-0.0141	0.2802	0.4095
1402	17.3	17.3	0.1321	0.0168	0.3638	0.5127	0.1562	-0.0152	0.279	0.4199
1403	17.2	17.3	0.1311	0.0169	0.3643	0.5122	0.1567	-0.0189	0.2809	0.4187
1404	16.8	17.4	0.1294	0.0168	0.3651	0.5113	0.1467	-0.0176	0.2883	0.4174
1405	16.9	17.4	0.1282	0.017	0.3655	0.5107	0.1365	-0.0204	0.2864	0.4026
1406	17.3	17.5	0.128	0.0175	0.3651	0.5106	0.1341	-0.0237	0.2762	0.3866
1407	17.9	17.6	0.1273	0.0182	0.3652	0.5107	0.1378	-0.0193	0.2769	0.3954
1408	17.4	17.6	0.1263	0.0191	0.365	0.5104	0.131	-0.0199	0.2739	0.385
1409	17.1	17.6	0.1266	0.0193	0.3642	0.5102	0.1235	-0.0159	0.2704	0.378
1410	18	17.6	0.1278	0.0189	0.3631	0.5098	0.1273	-0.0151	0.2638	0.3759
1411	18.1	17.6	0.1283	0.0187	0.3626	0.5095	0.1192	-0.0166	0.273	0.3756
1412	18.4	17.6	0.128	0.019	0.3624	0.5094	0.1013	-0.021	0.2961	0.3765
1413	18.2	17.6	0.1285	0.019	0.3625	0.5099	0.0861	-0.0273	0.3108	0.3696
1414	17.9	17.6	0.1289	0.0189	0.3626	0.5104	0.0936	-0.0297	0.301	0.365
1415	17.6	17.6	0.1284	0.0195	0.3625	0.5104	0.0853	-0.0325	0.3131	0.3659
1416	18.2	17.5	0.128	0.0193	0.3628	0.5101	0.0633	-0.0315	0.3272	0.359
1417	17.2	17.5	0.1267	0.0192	0.3631	0.509	0.0416	-0.0321	0.3232	0.3327
1418	18	17.5	0.1249	0.0192	0.3632	0.5073	0.035	-0.0349	0.3118	0.3119
1419	17.8	17.5	0.1253	0.0191	0.3628	0.5072	0.045	-0.0333	0.3041	0.3159
1420	17.6	17.4	0.1249	0.0189	0.3626	0.5065	0.0428	-0.0305	0.3046	0.3169
1421	17.1	17.4	0.1252	0.0175	0.3632	0.5058	0.0388	-0.0332	0.3016	0.3073
1422	16.8	17.4	0.1247	0.0174	0.3629	0.5049	0.0315	-0.0356	0.3083	0.3043
1423	16.8	17.3	0.1236	0.0173	0.3627	0.5036	0.0239	-0.0343	0.31	0.2996
1424	16.7	17.4	0.1239	0.0171	0.3619	0.5029	0.0165	-0.0275	0.31	0.299
1425	16.3	17.3	0.124	0.0171	0.3607	0.5019	0.0298	-0.03	0.2883	0.2881
1426	16.7	17.3	0.1236	0.0175	0.3609	0.502	0.0408	-0.0349	0.293	0.2989
1427	17.3	17.3	0.1228	0.0181	0.3613	0.5021	0.0354	-0.0309	0.2946	0.2991
1428	17.1	17.2	0.1221	0.0181	0.361	0.5012	0.0524	-0.0311	0.2893	0.3106
1429	17.5	17.2	0.1218	0.0179	0.3595	0.4992	0.0579	-0.0365	0.289	0.3103
1430	17.6	17.2	0.1246	0.0181	0.3555	0.4982	0.0571	-0.0341	0.297	0.3201
1431	17.3	17.2	0.1258	0.0186	0.3535	0.4979	0.0567	-0.0297	0.3035	0.3305
1432	17.7	17.2	0.1242	0.0188	0.354	0.4971	0.0491	-0.0385	0.3286	0.3392
1433	18.5	17.1	0.1239	0.0193	0.3535	0.4967	0.05	-0.0559	0.3351	0.3292
1434	17.3	17	0.1245	0.0196	0.3527	0.4968	0.0511	-0.0466	0.3057	0.3102

1435	16.7	17.1	0.1253	0.0197	0.3526	0.4976	0.0414	-0.0465	0.3082	0.3031
1436	17.3	17.1	0.1255	0.0192	0.3526	0.4972	0.0379	-0.0497	0.3149	0.303
1437	17.2	17.1	0.1264	0.0191	0.3519	0.4974	0.0398	-0.0541	0.3147	0.3004
1438	18	17.1	0.1249	0.019	0.353	0.4969	0.0417	-0.0621	0.3133	0.2929
1439	17.4	17.1	0.1246	0.0186	0.3525	0.4957	0.0341	-0.0621	0.3173	0.2894
1440	16.5	17	0.1242	0.0187	0.3521	0.495	0.0367	-0.0547	0.3284	0.3104
1441	16.4	16.9	0.124	0.0191	0.35	0.4932	0.0491	-0.053	0.3208	0.3169
1442	15.3	16.8	0.1244	0.0187	0.3489	0.4921	0.0528	-0.0494	0.319	0.3224
1443	15.6	16.7	0.1253	0.0186	0.3493	0.4932	0.0511	-0.049	0.3068	0.3089
1444	16.8	16.6	0.1278	0.0192	0.3475	0.4945	0.0472	-0.0529	0.2996	0.2939
1445	17.6	16.5	0.1284	0.0203	0.3468	0.4955	0.0359	-0.0551	0.3158	0.2966
1446	17	16.4	0.1282	0.0208	0.3474	0.4964	0.0541	-0.0566	0.3233	0.3208
1447	17.1	16.4	0.127	0.0215	0.3477	0.4962	0.0897	-0.0566	0.3006	0.3337
1448	17.1	16.2	0.1261	0.0221	0.3475	0.4957	0.0806	-0.063	0.3084	0.326
1449	16.5	16.2	0.1255	0.0222	0.3474	0.4952	0.0735	-0.0707	0.3156	0.3184
1450	16	16.2	0.1245	0.0223	0.3473	0.4941	0.0972	-0.0704	0.2949	0.3217
1451	15.9	16.2	0.1238	0.0222	0.3474	0.4934	0.1254	-0.0712	0.2805	0.3347
1452	15.4	16.3	0.1238	0.0222	0.3474	0.4933	0.1378	-0.0706	0.2863	0.3535
1453	15.5	16.3	0.1243	0.0222	0.3471	0.4936	0.1432	-0.0691	0.2892	0.3633
1454	15.4	16.3	0.1251	0.0224	0.3463	0.4938	0.1398	-0.0613	0.2977	0.3762
1455	15.1	16.3	0.1255	0.0227	0.3466	0.4948	0.1298	-0.0531	0.3113	0.388
1456	16.2	16.3	0.1254	0.0226	0.3465	0.4945	0.1215	-0.0473	0.3146	0.3888
1457	15.2	16.4	0.1251	0.0226	0.3461	0.4938	0.124	-0.0401	0.3082	0.392
1458	16.8	16.4	0.1252	0.0222	0.3465	0.494	0.1133	-0.0312	0.3184	0.4004
1459	16.7	16.5	0.1244	0.0221	0.3471	0.4936	0.0952	-0.0221	0.3257	0.3987
1460	16.2	16.6	0.1242	0.0224	0.3466	0.4933	0.1029	-0.0145	0.3134	0.4017
1461	16.6	16.7	0.1253	0.0225	0.3442	0.4921	0.1264	-0.023	0.2951	0.3986
1462	17.2	16.9	0.126	0.0228	0.3432	0.4919	0.1373	-0.0263	0.2887	0.3997
1463	16.8	17	0.1249	0.0232	0.3441	0.4923	0.1383	-0.0302	0.2825	0.3906
1464	17	17.1	0.1245	0.0237	0.3437	0.4918	0.141	-0.0356	0.301	0.4063
1465	17.5	17.3	0.125	0.0237	0.3431	0.4918	0.1406	-0.0464	0.3125	0.4067
1466	18	17.3	0.1257	0.0238	0.3429	0.4924	0.1448	-0.0464	0.313	0.4114
1467	17.8	17.5	0.1263	0.0238	0.3426	0.4927	0.1384	-0.0535	0.3189	0.4037
1468	17.3	17.5	0.1264	0.0238	0.3425	0.4928	0.129	-0.0539	0.3264	0.4016
1469	18	17.5	0.1269	0.0238	0.3423	0.493	0.1076	-0.0507	0.34	0.3969
1470	18.6	17.6	0.1274	0.0238	0.3419	0.4931	0.1059	-0.0531	0.3489	0.4016
1471	18.1	17.6	0.128	0.0241	0.3414	0.4935	0.1043	-0.0586	0.3536	0.3993

1472	18.5	17.5	0.1287	0.0243	0.341	0.4939	0.1122	-0.074	0.3581	0.3963
1473	18	17.5	0.1288	0.024	0.3406	0.4934	0.1051	-0.0782	0.3569	0.3838
1474	17.5	17.4	0.1282	0.0238	0.3408	0.4928	0.0918	-0.0827	0.3583	0.3674
1475	17.3	17.3	0.1268	0.024	0.3409	0.4917	0.0951	-0.0854	0.3536	0.3633
1476	17.7	17.1	0.1271	0.0236	0.3399	0.4906	0.1	-0.0826	0.343	0.3604
1477	17.2	17	0.1254	0.0237	0.3404	0.4895	0.1032	-0.0763	0.3434	0.3703
1478	17.3	16.9	0.1257	0.024	0.34	0.4898	0.0928	-0.0654	0.3426	0.3701
1479	17.5	16.8	0.1257	0.024	0.3398	0.4896	0.0775	-0.0616	0.351	0.3668
1480	16.7	16.7	0.1253	0.024	0.3395	0.4889	0.0851	-0.0632	0.3339	0.3558
1481	16.1	16.5	0.126	0.0236	0.3386	0.4882	0.1113	-0.0618	0.2934	0.343
1482	15.6	16.4	0.1258	0.023	0.3395	0.4883	0.1205	-0.0622	0.2785	0.3368
1483	15.5	16.4	0.1253	0.0224	0.3409	0.4886	0.1007	-0.0636	0.2925	0.3296
1484	15.4	16.3	0.1253	0.0221	0.3407	0.4881	0.1074	-0.0599	0.2905	0.338
1485	15.3	16.2	0.1261	0.0223	0.3393	0.4877	0.1143	-0.064	0.2819	0.3321
1486	15.6	16.1	0.1268	0.0229	0.3388	0.4885	0.1181	-0.0601	0.2774	0.3354
1487	16	16.1	0.1269	0.0237	0.3388	0.4894	0.1169	-0.0666	0.279	0.3293
1488	15.8	16	0.1262	0.0235	0.3388	0.4884	0.1272	-0.0696	0.271	0.3286
1489	15.6	15.9	0.1245	0.0229	0.3386	0.4861	0.1139	-0.0658	0.2811	0.3292
1490	15.8	15.8	0.1232	0.023	0.3394	0.4855	0.0949	-0.0689	0.2931	0.3191
1491	16.3	15.7	0.123	0.0229	0.3389	0.4848	0.0775	-0.0715	0.3077	0.3137
1492	16.7	15.8	0.123	0.023	0.3382	0.4842	0.0861	-0.0683	0.2846	0.3024
1493	15.8	15.8	0.1232	0.0233	0.338	0.4845	0.0961	-0.0725	0.272	0.2956
1494	16	15.8	0.1235	0.0238	0.3368	0.4841	0.1101	-0.076	0.2734	0.3075
1495	16.4	15.8	0.1215	0.0238	0.3368	0.4821	0.1392	-0.071	0.2503	0.3184
1496	15.8	15.8	0.1198	0.0233	0.3372	0.4802	0.1478	-0.0578	0.2441	0.3341
1497	15.8	15.8	0.12	0.0237	0.3364	0.4801	0.1446	-0.0537	0.2561	0.347
1498	15.8	15.7	0.1216	0.0244	0.3347	0.4808	0.1277	-0.0484	0.2625	0.3418
1499	14.9	15.7	0.1205	0.0243	0.3355	0.4802	0.1165	-0.0418	0.2581	0.3328
1500	15.1	15.8	0.1192	0.0241	0.3356	0.479	0.1189	-0.0424	0.2495	0.3261
1501	15.7	15.7	0.1182	0.024	0.3353	0.4775	0.1118	-0.0405	0.2418	0.3131
1502	15.7	15.7	0.1177	0.0237	0.3348	0.4763	0.1072	-0.0404	0.2407	0.3075
1503	15.6	15.7	0.1171	0.023	0.3345	0.4746	0.0958	-0.0393	0.25	0.3065
1504	15.6	15.6	0.1165	0.0221	0.334	0.4725	0.102	-0.039	0.248	0.311
1505	15.5	15.6	0.1161	0.0217	0.334	0.4719	0.1135	-0.0368	0.2423	0.3191
1506	15.7	15.5	0.1156	0.0215	0.3343	0.4714	0.1166	-0.0299	0.2465	0.3331
1507	15.3	15.5	0.116	0.0213	0.3334	0.4707	0.1163	-0.0294	0.2506	0.3374
1508	15.8	15.5	0.1167	0.0213	0.3325	0.4705	0.117	-0.0308	0.2522	0.3385

1509	15.8	15.5	0.1163	0.0208	0.3329	0.47	0.117	-0.0342	0.2635	0.3464
1510	15.4	15.5	0.1151	0.0212	0.3336	0.4699	0.1049	-0.0347	0.2777	0.3479
1511	15.9	15.4	0.1145	0.0213	0.3337	0.4695	0.1024	-0.0302	0.2716	0.3437
1512	15.6	15.4	0.1142	0.022	0.3342	0.4704	0.1188	-0.0276	0.2434	0.3345
1513	15.6	15.3	0.1144	0.0225	0.3324	0.4693	0.1235	-0.0025	0.2328	0.3538
1514	15.5	15.3	0.1148	0.0235	0.3314	0.4698	0.1112	0.0243	0.2273	0.3628
1515	15.1	15.3	0.1139	0.0241	0.3312	0.4693	0.1102	0.0339	0.2105	0.3545
1516	15.1	15.3	0.1141	0.0247	0.3309	0.4697	0.1186	0.0329	0.2043	0.3558
1517	15.4	15.3	0.1138	0.0246	0.3304	0.4689	0.1317	0.031	0.2041	0.3668
1518	14.6	15.4	0.1141	0.0243	0.3292	0.4676	0.1433	0.0326	0.2065	0.3824
1519	15	15.4	0.1147	0.0244	0.3279	0.467	0.1472	0.0339	0.2088	0.3899
1520	14.9	15.4	0.1145	0.0248	0.3273	0.4665	0.1561	0.0322	0.2121	0.4003
1521	14.9	15.4	0.1139	0.0249	0.3274	0.4662	0.1475	0.032	0.2225	0.402
1522	14.9	15.4	0.1142	0.0252	0.3272	0.4666	0.1489	0.0392	0.2208	0.409
1523	15	15.5	0.1145	0.0255	0.3269	0.4669	0.1632	0.0409	0.2094	0.4135
1524	14.9	15.6	0.1144	0.0256	0.3266	0.4666	0.1783	0.0395	0.205	0.4227
1525	15.2	15.6	0.114	0.0254	0.3264	0.4658	0.1818	0.0469	0.2056	0.4343
1526	16.1	15.7	0.1133	0.0252	0.3265	0.465	0.1666	0.049	0.2096	0.4253
1527	17.2	15.8	0.1135	0.0246	0.327	0.4651	0.1716	0.0524	0.2001	0.4241
1528	16.9	15.9	0.1143	0.0243	0.3259	0.4645	0.1578	0.0646	0.2046	0.4269
1529	15.5	15.9	0.1133	0.0242	0.3261	0.4636	0.1697	0.0732	0.1982	0.4411
1530	15.8	16	0.1135	0.0243	0.3261	0.4639	0.1758	0.0696	0.1935	0.4388
1531	15.7	16.1	0.1138	0.0248	0.3256	0.4642	0.172	0.0661	0.19	0.4281
1532	16.5	16.1	0.1142	0.0252	0.3248	0.4642	0.1743	0.0612	0.1887	0.4241
1533	16.7	16.1	0.1132	0.0253	0.3245	0.4629	0.1633	0.0509	0.205	0.4192
1534	16.7	16.1	0.1131	0.026	0.3246	0.4636	0.157	0.0394	0.2145	0.4108
1535	16.5	16.1	0.1135	0.0257	0.3249	0.464	0.1555	0.0319	0.2031	0.3906
1536	16.2	16.1	0.1138	0.0258	0.3247	0.4643	0.1571	0.0277	0.1946	0.3794
1537	16.8	16	0.1137	0.0261	0.3248	0.4645	0.1532	0.0318	0.2004	0.3853
1538	16.3	16	0.1135	0.0256	0.3249	0.4639	0.1592	0.0401	0.2025	0.4018
1539	16.1	16	0.1151	0.0255	0.3232	0.4638	0.1572	0.0424	0.2018	0.4014
1540	16	16	0.1165	0.0258	0.3213	0.4637	0.1405	0.0399	0.2032	0.3837
1541	15.6	16	0.1154	0.0259	0.3215	0.4629	0.1238	0.0358	0.2127	0.3722
1542	14.9	15.9	0.1148	0.026	0.3217	0.4625	0.1261	0.0333	0.208	0.3674
1543	15	15.9	0.1143	0.0262	0.3219	0.4625	0.1299	0.0393	0.2078	0.377
1544	15.6	15.8	0.1139	0.0263	0.3225	0.4626	0.1295	0.0459	0.2093	0.3848
1545	16.2	15.8	0.1136	0.0261	0.3224	0.4621	0.1246	0.0514	0.1992	0.3751

1546	15.5	15.8	0.1137	0.0262	0.3218	0.4617	0.1062	0.0506	0.2001	0.3569
1547	15.7	15.7	0.1143	0.0263	0.3214	0.462	0.0904	0.0394	0.204	0.3338
1548	15.7	15.7	0.1145	0.0263	0.3216	0.4624	0.0921	0.0397	0.2008	0.3326
1549	15.8	15.7	0.1136	0.0265	0.3225	0.4626	0.1145	0.0452	0.1847	0.3444
1550	15.6	15.7	0.1133	0.0263	0.3232	0.4628	0.103	0.043	0.1971	0.3431
1551	15.8	15.7	0.1131	0.0262	0.3233	0.4626	0.0928	0.0397	0.2023	0.3347
1552	16.2	15.8	0.1142	0.0261	0.3224	0.4627	0.0924	0.039	0.1936	0.325
1553	15.6	15.9	0.1141	0.0261	0.3223	0.4625	0.0987	0.0375	0.1878	0.324
1554	16	15.9	0.1138	0.026	0.3221	0.4619	0.1008	0.0309	0.181	0.3128
1555	15.9	15.9	0.1138	0.0257	0.322	0.4615	0.0962	0.0207	0.1787	0.2956
1556	15.6	16	0.1138	0.0255	0.3215	0.4608	0.0714	0.0135	0.2087	0.2935
1557	15.6	16	0.1134	0.0257	0.3209	0.46	0.0623	0.0106	0.2163	0.2892
1558	16	16.1	0.1135	0.0256	0.3202	0.4593	0.0574	0.0109	0.2134	0.2817
1559	16.3	16.2	0.1139	0.0255	0.3193	0.4588	0.0704	0.0145	0.2056	0.2905
1560	15.9	16.2	0.114	0.0254	0.3195	0.4589	0.0716	0.009	0.2036	0.2842
1561	16.2	16.3	0.1134	0.0253	0.3199	0.4586	0.064	0.0154	0.2334	0.3129
1562	16.7	16.3	0.1136	0.023	0.3199	0.4565	0.0364	0.0139	0.2511	0.3014
1563	16.5	16.3	0.1138	0.0208	0.3214	0.456	0.0344	0.0207	0.2629	0.3181
1564	16.3	16.4	0.1134	0.0203	0.3226	0.4564	0.0443	0.0247	0.2452	0.3141
1565	16.4	16.3	0.1131	0.0204	0.3227	0.4562	0.0616	0.0384	0.2284	0.3285
1566	16.8	16.3	0.1126	0.0206	0.3225	0.4557	0.0692	0.0445	0.2175	0.3311
1567	16.7	16.3	0.112	0.0205	0.3219	0.4545	0.073	0.0532	0.2151	0.3413
1568	17.4	16.3	0.1117	0.0204	0.3216	0.4538	0.0659	0.053	0.2159	0.3348
1569	16.8	16.2	0.1113	0.0206	0.3211	0.453	0.0678	0.0504	0.2096	0.3278
1570	16.8	16.2	0.1126	0.0206	0.3197	0.4529	0.0665	0.0519	0.2096	0.328
1571	16.6	16.2	0.1131	0.0202	0.3193	0.4526	0.0535	0.0531	0.2098	0.3164
1572	15.9	16.2	0.1124	0.0202	0.32	0.4526	0.0501	0.0528	0.2079	0.3108
1573	16.4	16.1	0.111	0.0201	0.3201	0.4512	0.0595	0.0533	0.2045	0.3174
1574	15.5	16	0.11	0.0191	0.3202	0.4494	0.0713	0.059	0.2023	0.3326
1575	15.7	16	0.1102	0.0191	0.3199	0.4491	0.0749	0.061	0.2058	0.3417
1576	15.3	15.9	0.11	0.0184	0.3198	0.4482	0.0712	0.0594	0.2088	0.3395
1577	14.9	15.8	0.1097	0.0172	0.3199	0.4468	0.0657	0.0591	0.212	0.3368
1578	15.5	15.7	0.1088	0.0167	0.3202	0.4457	0.0695	0.0527	0.2161	0.3383
1579	15.9	15.6	0.1081	0.0171	0.3205	0.4457	0.0775	0.052	0.2115	0.3411
1580	15.7	15.5	0.1081	0.0174	0.3205	0.446	0.0606	0.052	0.217	0.3296
1581	15.8	15.4	0.1085	0.0175	0.3198	0.4458	0.0454	0.0491	0.2257	0.3202
1582	15.2	15.5	0.1095	0.0179	0.319	0.4464	0.0459	0.0598	0.2241	0.3298

1583	15.2	15.5	0.1096	0.0184	0.3194	0.4475	0.0517	0.063	0.2149	0.3295
1584	15.3	15.5	0.1097	0.019	0.3204	0.449	0.0388	0.0629	0.2108	0.3126
1585	15.2	15.5	0.1104	0.0196	0.3198	0.4498	0.0372	0.0726	0.2097	0.3195
1586	14.8	15.6	0.1115	0.0197	0.3188	0.45	0.0406	0.0692	0.2136	0.3234
1587	15	15.6	0.111	0.0197	0.3185	0.4492	0.0478	0.0684	0.2125	0.3288
1588	14.9	15.7	0.1105	0.0193	0.3186	0.4483	0.048	0.0746	0.216	0.3386
1589	15.5	15.7	0.1105	0.0189	0.3183	0.4477	0.0468	0.0686	0.2201	0.3355
1590	15.7	15.8	0.1108	0.0194	0.3181	0.4483	0.0666	0.0647	0.2038	0.3351
1591	16.5	15.8	0.1104	0.0196	0.3181	0.448	0.0824	0.0646	0.1823	0.3292
1592	15.8	15.8	0.11	0.0191	0.3175	0.4465	0.0716	0.0619	0.184	0.3175
1593	15.8	15.8	0.1102	0.0187	0.3171	0.446	0.0677	0.0616	0.1845	0.3138
1594	16.3	15.9	0.1111	0.0187	0.3169	0.4466	0.0653	0.0612	0.1923	0.3187
1595	16.7	15.9	0.1109	0.0187	0.3168	0.4464	0.0591	0.0604	0.2047	0.3242
1596	16.4	15.9	0.1107	0.0194	0.3168	0.4469	0.0623	0.058	0.2013	0.3215
1597	16.2	16	0.1108	0.0197	0.3163	0.4468	0.0692	0.0614	0.1915	0.3221
1598	16.8	16.1	0.1102	0.0199	0.3162	0.4464	0.0863	0.0679	0.1866	0.3409
1599	16.3	16.1	0.1102	0.02	0.3158	0.4459	0.0698	0.0716	0.2165	0.3579
1600	15.8	16.2	0.1099	0.0202	0.3154	0.4455	0.062	0.0756	0.2252	0.3627
1601	15.7	16.2	0.109	0.0201	0.3159	0.445	0.066	0.0781	0.2178	0.3619
1602	16.2	16.2	0.1079	0.02	0.3161	0.4439	0.0721	0.0759	0.2141	0.3621
1603	16.1	16.2	0.1071	0.0199	0.3164	0.4433	0.0847	0.072	0.2082	0.3649
1604	15.5	16.2	0.1068	0.02	0.3161	0.443	0.0804	0.0716	0.2102	0.3623
1605	16	16.2	0.109	0.0204	0.3132	0.4425	0.0768	0.0673	0.2102	0.3543
1606	16	16.2	0.1094	0.0204	0.3126	0.4425	0.082	0.0581	0.2073	0.3473
1607	16.2	16.2	0.1102	0.0202	0.3121	0.4425	0.0859	0.0543	0.2073	0.3475
1608	16.6	16.2	0.1097	0.0198	0.3119	0.4414	0.08	0.0538	0.2062	0.34
1609	16.2	16.3	0.1091	0.0199	0.3125	0.4416	0.0801	0.0554	0.2004	0.3359
1610	16.5	16.3	0.1087	0.0196	0.3103	0.4386	0.0848	0.0534	0.1908	0.3291
1611	15.9	16.3	0.1109	0.0199	0.3086	0.4394	0.0855	0.0473	0.1919	0.3247
1612	16.7	16.4	0.1108	0.0199	0.3079	0.4386	0.021	0.0409	0.2524	0.3144
1613	16.4	16.4	0.11	0.0201	0.3079	0.4379	-0.0204	0.0161	0.2964	0.2921
1614	16.7	16.4	0.1087	0.0197	0.3085	0.4369	-0.0121	-0.0098	0.3091	0.2872
1615	16.8	16.4	0.107	0.0196	0.3095	0.4362	-0.0121	-0.0145	0.3245	0.2979
1616	16.2	16.5	0.1068	0.0194	0.3094	0.4356	-0.0181	-0.0106	0.3308	0.3021
1617	16.8	16.4	0.1072	0.0193	0.3088	0.4354	-0.0294	-0.0059	0.3273	0.292
1618	16.8	16.4	0.1073	0.0192	0.3082	0.4348	-0.0342	-0.0066	0.323	0.2821
1619	16.2	16.4	0.1081	0.0192	0.3069	0.4342	-0.0386	-0.0069	0.3212	0.2757

1620	16.7	16.4	0.1091	0.0194	0.3063	0.4349	-0.0446	-0.0062	0.3155	0.2648
1621	16.9	16.4	0.1089	0.0196	0.3066	0.4351	-0.0409	-0.006	0.3056	0.2587
1622	16.7	16.3	0.1082	0.0199	0.3067	0.4348	-0.0462	-0.0089	0.3041	0.249
1623	16.1	16.2	0.1073	0.0196	0.3066	0.4336	-0.0561	-0.007	0.3123	0.2492
1624	15.9	16.1	0.1069	0.0195	0.306	0.4324	-0.0798	-0.0083	0.3255	0.2374
1625	16.4	16.1	0.1069	0.0195	0.3056	0.4319	-0.0917	-0.0165	0.3331	0.225
1626	15.8	16	0.1067	0.0192	0.3053	0.4313	-0.091	-0.0111	0.3283	0.2261
1627	15.9	15.9	0.1065	0.0194	0.3054	0.4313	-0.1085	-0.0184	0.3396	0.2127
1628	16.1	15.8	0.1066	0.0191	0.3048	0.4304	-0.1138	-0.0308	0.345	0.2004
1629	16.1	15.7	0.1072	0.019	0.3044	0.4307	-0.1123	-0.038	0.3506	0.2002
1630	15.8	15.6	0.1089	0.0194	0.3035	0.4318	-0.1025	-0.0353	0.3539	0.2161
1631	14.9	15.5	0.1092	0.0188	0.3032	0.4312	-0.0906	-0.0334	0.3476	0.2236
1632	14.8	15.4	0.109	0.0189	0.3033	0.4312	-0.0805	-0.0323	0.3373	0.2245
1633	15.4	15.4	0.1093	0.019	0.3034	0.4317	-0.0692	-0.0282	0.3378	0.2404
1634	15.6	15.3	0.1093	0.0187	0.3036	0.4316	-0.0623	-0.025	0.3459	0.2586
1635	15.5	15.3	0.1094	0.0188	0.3035	0.4317	-0.0559	-0.0238	0.3513	0.2716
1636	14.8	15.3	0.109	0.019	0.3034	0.4314	-0.0443	-0.0202	0.3415	0.277
1637	14.9	15.2	0.1089	0.0186	0.3032	0.4307	-0.0274	-0.0174	0.3299	0.285
1638	14.9	15.2	0.1088	0.0187	0.3029	0.4304	-0.025	-0.0145	0.3296	0.2901
1639	14.8	15.2	0.1084	0.019	0.3028	0.4302	-0.0268	-0.0194	0.3344	0.2883
1640	15.1	15.2	0.1083	0.0194	0.3031	0.4307	-0.0204	-0.0247	0.335	0.2899
1641	14.8	15.2	0.1083	0.0198	0.3032	0.4312	-0.013	-0.025	0.338	0.2999
1642	14.9	15.3	0.1081	0.0198	0.3032	0.4311	-0.0056	-0.0229	0.3319	0.3034
1643	15	15.4	0.1078	0.0201	0.3027	0.4306	-0.0007	-0.0227	0.3288	0.3053
1644	15.4	15.4	0.108	0.0202	0.302	0.4302	-0.0058	-0.0206	0.3353	0.3089
1645	15.7	15.4	0.1074	0.0203	0.3023	0.43	-0.0002	-0.0184	0.337	0.3185
1646	15	15.5	0.1068	0.0201	0.3027	0.4295	-0.0069	-0.0186	0.3391	0.3137
1647	15.6	15.6	0.1056	0.0195	0.3028	0.4279	-0.011	-0.0109	0.3446	0.3226
1648	15.5	15.7	0.1075	0.0191	0.3	0.4266	-0.0089	-0.0017	0.34	0.3294
1649	15.4	15.7	0.1074	0.0189	0.3	0.4263	-0.0195	-0.0012	0.3391	0.3184
1650	16.4	15.8	0.1067	0.0185	0.3014	0.4266	-0.0278	-0.0046	0.3376	0.3052
1651	16.5	15.8	0.1059	0.0186	0.3019	0.4264	-0.0332	-0.0088	0.3353	0.2933
1652	16.2	15.9	0.1057	0.0189	0.3016	0.4262	-0.0405	-0.0156	0.3391	0.283
1653	16	15.9	0.106	0.0189	0.3013	0.4262	-0.0479	-0.0175	0.344	0.2787
1654	16.2	15.9	0.1061	0.0193	0.3011	0.4265	-0.0506	-0.0174	0.3463	0.2783
1655	16.8	15.9	0.1056	0.0199	0.3013	0.4267	-0.0521	-0.015	0.3448	0.2778
1656	16.6	15.9	0.1052	0.0201	0.3007	0.426	-0.036	-0.0111	0.3197	0.2726

1657	16.1	15.9	0.1054	0.0203	0.3003	0.426	-0.0329	-0.0092	0.3171	0.275
1658	15.6	15.9	0.1055	0.0201	0.3002	0.4257	-0.0153	-0.0133	0.3037	0.2751
1659	15.6	15.8	0.1055	0.0202	0.3002	0.4259	-0.0163	-0.0211	0.2974	0.2599
1660	16	15.7	0.1054	0.0207	0.3003	0.4264	-0.0168	-0.0192	0.3063	0.2703
1661	15.5	15.7	0.1113	0.0212	0.2947	0.4272	-0.0178	-0.0229	0.2839	0.2432
1662	15.7	15.7	0.1157	0.0214	0.2903	0.4273	0.0057	-0.017	0.2679	0.2566
1663	15.8	15.6	0.115	0.0217	0.2905	0.4273	-0.0021	-0.0159	0.2613	0.2433
1664	15.8	15.6	0.1147	0.0218	0.2902	0.4266	-0.0175	-0.0147	0.2643	0.2321
1665	15.3	15.6	0.1149	0.0215	0.2896	0.426	-0.0327	-0.0207	0.2696	0.2163
1666	15	15.5	0.1155	0.0212	0.2897	0.4265	-0.0448	-0.019	0.281	0.2173
1667	14.9	15.5	0.1154	0.0212	0.2896	0.4262	-0.047	-0.0185	0.2858	0.2203
1668	14.6	15.4	0.1156	0.0211	0.2895	0.4262	-0.0412	-0.017	0.288	0.2298
1669	14.7	15.5	0.1158	0.0212	0.2895	0.4265	-0.0318	-0.0166	0.2848	0.2363
1670	15.7	15.5	0.1167	0.0212	0.2891	0.427	-0.017	-0.0127	0.2769	0.2472
1671	15.5	15.5	0.1177	0.0211	0.2889	0.4277	0.0002	-0.0048	0.2749	0.2703
1672	15.8	15.5	0.118	0.0209	0.2888	0.4277	0.0039	0.0026	0.2781	0.2846
1673	16.1	15.5	0.119	0.0209	0.2876	0.4274	-0.0009	0.0066	0.2823	0.2879
1674	15.3	15.5	0.1192	0.0208	0.2869	0.4269	-0.0089	0.0027	0.2821	0.2759
1675	15.2	15.5	0.1193	0.0202	0.2871	0.4265	-0.0127	0.0034	0.2749	0.2657
1676	15.4	15.5	0.1208	0.0202	0.2859	0.4269	-0.0152	0.0013	0.272	0.2582
1677	15.5	15.6	0.121	0.0203	0.2854	0.4267	-0.0168	-0.0031	0.2752	0.2553
1678	16.1	15.7	0.12	0.0205	0.2852	0.4256	-0.0178	-0.0023	0.2768	0.2567
1679	16	15.7	0.1184	0.0206	0.2851	0.4241	-0.0171	-0.0072	0.2727	0.2483
1680	16.2	15.7	0.1172	0.0207	0.2858	0.4237	-0.0052	-0.0117	0.273	0.2561
1681	16.3	15.7	0.1166	0.0207	0.286	0.4234	0.017	-0.0101	0.2644	0.2713
1682	15.7	15.6	0.1164	0.0207	0.2852	0.4224	0.018	-0.014	0.263	0.267
1683	15.1	15.6	0.1159	0.0209	0.2848	0.4216	0.0152	-0.012	0.2692	0.2724
1684	15	15.6	0.1153	0.0213	0.2852	0.4219	0.0187	-0.0114	0.2731	0.2804
1685	15.6	15.6	0.1148	0.0216	0.2857	0.4221	0.0074	-0.0156	0.2783	0.2701
1686	16.2	15.6	0.1142	0.0214	0.2858	0.4215	-0.0512	-0.0107	0.3263	0.2645
1687	15.9	15.7	0.1135	0.0212	0.2856	0.4202	-0.0622	-0.0059	0.342	0.2739
1688	14.7	15.6	0.1131	0.0212	0.2851	0.4195	-0.0646	-0.0077	0.3381	0.2658
1689	16.2	15.6	0.1125	0.0214	0.2848	0.4187	-0.0612	-0.0056	0.3369	0.2701
1690	15.4	15.5	0.1121	0.0219	0.2843	0.4183	-0.0622	-0.0018	0.3426	0.2786
1691	15.2	15.4	0.1109	0.0219	0.2849	0.4177	-0.0653	0.0027	0.3476	0.285
1692	15.1	15.3	0.1101	0.0213	0.2846	0.416	-0.0665	0.009	0.347	0.2896
1693	15.4	15.3	0.1108	0.0208	0.2835	0.4151	-0.0688	0.0136	0.3481	0.2928

1694	15.3	15.2	0.1111	0.0205	0.2832	0.4148	-0.0687	0.0181	0.3446	0.2941
1695	16	15.2	0.1116	0.0205	0.2829	0.4151	-0.063	0.0167	0.3367	0.2904
1696	16	15.1	0.1118	0.0205	0.2823	0.4146	-0.0669	0.0171	0.3405	0.2907
1697	15.3	15.1	0.1117	0.0199	0.2823	0.4139	-0.0728	0.012	0.3438	0.283
1698	14.8	15.1	0.1121	0.02	0.2823	0.4145	-0.087	0.0019	0.3433	0.2582
1699	14.5	15	0.113	0.0204	0.282	0.4154	-0.0648	-0.0068	0.3108	0.2392
1700	14.6	15	0.1133	0.021	0.2819	0.4162	-0.0629	-0.0099	0.307	0.2342
1701	14.9	15	0.113	0.0217	0.282	0.4167	-0.0633	-0.0149	0.3227	0.2445
1702	14.3	14.9	0.1127	0.0217	0.2817	0.4161	-0.0671	-0.0168	0.3289	0.2449
1703	14.1	14.9	0.1121	0.0216	0.2818	0.4155	-0.0635	-0.0109	0.3248	0.2504
1704	14.8	14.9	0.112	0.0215	0.2816	0.4152	-0.054	-0.007	0.3233	0.2623
1705	14.8	14.9	0.1126	0.0215	0.2812	0.4153	-0.0561	0.0029	0.3192	0.266
1706	14.9	14.9	0.1127	0.0213	0.2809	0.415	-0.0655	0.0123	0.3249	0.2717
1707	14.9	15	0.1117	0.0216	0.2817	0.415	-0.0818	0.0137	0.3265	0.2585
1708	15.2	15	0.1113	0.022	0.2822	0.4155	-0.0817	0.0148	0.3302	0.2633
1709	14.6	15.1	0.1108	0.0218	0.2819	0.4145	-0.0815	0.0153	0.3316	0.2654
1710	14.9	15.2	0.1105	0.0219	0.2819	0.4143	-0.0827	0.0171	0.3344	0.2689
1711	14.3	15.2	0.1103	0.0216	0.2818	0.4137	-0.0742	0.0202	0.3358	0.2819
1712	15.4	15.2	0.111	0.0215	0.2818	0.4142	-0.0075	0.0237	0.2792	0.2954
1713	15.6	15.3	0.1117	0.0215	0.2814	0.4147	0.0427	0.025	0.2351	0.3028
1714	16	15.4	0.1119	0.0218	0.2816	0.4153	0.0447	0.0277	0.239	0.3114
1715	15.9	15.4	0.1115	0.0215	0.2814	0.4144	0.0459	0.0276	0.2369	0.3104
1716	16.2	15.5	0.1115	0.0212	0.2808	0.4135	0.0526	0.0241	0.2322	0.3088
1717	15.6	15.4	0.1114	0.021	0.28	0.4124	0.0593	0.0194	0.2321	0.3108
1718	15.7	15.5	0.1105	0.0209	0.2798	0.4112	0.0532	0.018	0.2331	0.3043
1719	15.9	15.5	0.1098	0.0205	0.2793	0.4095	0.0536	0.0202	0.2323	0.3061
1720	15.2	15.5	0.1091	0.0199	0.2788	0.4079	0.0526	0.0195	0.2303	0.3025
1721	15.6	15.5	0.1085	0.0193	0.2788	0.4066	0.0597	0.0181	0.2285	0.3063
1722	15.8	15.5	0.1083	0.0192	0.2785	0.406	0.0664	0.0151	0.2306	0.3121
1723	15.9	15.4	0.1082	0.0194	0.2784	0.406	0.0755	0.0121	0.2289	0.3164
1724	15.9	15.4	0.1081	0.0192	0.2785	0.4058	0.0895	0.014	0.2197	0.3231
1725	15.3	15.3	0.1084	0.0193	0.2784	0.4061	0.089	0.0137	0.2153	0.3181
1726	14.7	15.2	0.1084	0.0196	0.2778	0.4058	0.0899	0.0114	0.2214	0.3227
1727	15.6	15.1	0.1083	0.0196	0.2777	0.4056	0.1096	0.0151	0.2158	0.3406
1728	15.2	15	0.1083	0.0198	0.2775	0.4056	0.1155	0.0163	0.2098	0.3416
1729	14.9	14.9	0.1077	0.0202	0.2771	0.405	0.1093	0.0165	0.2031	0.329
1730	13.9	14.9	0.1072	0.0204	0.2771	0.4047	0.0962	0.0185	0.2023	0.3169

1731	14.7	14.8	0.1074	0.0202	0.2769	0.4045	0.0932	0.0228	0.2042	0.3202
1732	14.8	14.8	0.1075	0.0201	0.2764	0.404	0.0965	0.0232	0.2047	0.3245
1733	14.9	14.7	0.1074	0.0201	0.2761	0.4036	0.1019	0.0242	0.1969	0.3231
1734	14.9	14.7	0.1086	0.0203	0.2758	0.4046	0.0962	0.0229	0.1987	0.3178
1735	13.5	14.6	0.1145	0.0199	0.2709	0.4053	0.0859	0.0272	0.2145	0.3276
1736	14.3	14.7	0.1152	0.0196	0.2692	0.404	0.0775	0.033	0.2261	0.3365
1737	14	14.6	0.1153	0.0194	0.2694	0.4041	0.0747	0.0354	0.2235	0.3337
1738	14.2	14.6	0.1149	0.0193	0.2692	0.4034	0.0727	0.0361	0.2195	0.3284
1739	14.6	14.5	0.1146	0.0192	0.2685	0.4024	0.0671	0.0378	0.2183	0.3231
1740	14.8	14.6	0.1148	0.0191	0.2683	0.4022	0.0552	0.0389	0.2213	0.3154
1741	14.6	14.6	0.1149	0.0189	0.2684	0.4022	0.0474	0.044	0.2203	0.3116
1742	14.7	14.6	0.115	0.0185	0.2684	0.4018	0.034	0.0395	0.2262	0.2997
1743	14.9	14.6	0.1146	0.0183	0.2682	0.4012	0.0278	0.0301	0.2221	0.2801
1744	14.9	14.6	0.1143	0.0186	0.2683	0.4012	0.0394	0.0236	0.2098	0.2728
1745	15.1	14.7	0.1141	0.0186	0.2683	0.4009	0.0413	0.0193	0.2133	0.274
1746	14.7	14.7	0.1141	0.0189	0.2683	0.4012	0.0495	0.0186	0.2157	0.2838
1747	14.2	14.7	0.1143	0.0193	0.2685	0.4021	0.055	0.0225	0.2128	0.2902
1748	14.4	14.7	0.114	0.0198	0.2689	0.4027	0.0507	0.0239	0.2104	0.285
1749	14.8	14.7	0.1137	0.0199	0.2693	0.4029	0.0504	0.0265	0.2125	0.2894
1750	15.2	14.7	0.113	0.02	0.2691	0.4021	0.0572	0.0318	0.2155	0.3046
1751	15.2	14.7	0.1126	0.0203	0.269	0.4019	0.0474	0.0432	0.2204	0.3109
1752	15.2	14.7	0.1121	0.02	0.2691	0.4012	0.0457	0.05	0.2236	0.3192
1753	14.6	14.7	0.1114	0.0196	0.2689	0.4	0.0423	0.0513	0.2225	0.3161
1754	14.2	14.7	0.1117	0.019	0.2692	0.3999	0.0371	0.0507	0.2258	0.3136
1755	14.1	14.7	0.1122	0.0186	0.2688	0.3996	0.0367	0.0502	0.2267	0.3136
1756	14.8	14.8	0.1134	0.0187	0.2681	0.4002	0.0425	0.0504	0.2246	0.3175
1757	14.6	14.9	0.1136	0.0188	0.2672	0.3996	0.0445	0.0492	0.2243	0.318
1758	14.5	14.9	0.1137	0.0185	0.267	0.3992	0.0347	0.0521	0.2347	0.3215
1759	14.3	15	0.1137	0.0185	0.2668	0.399	0.0306	0.057	0.2425	0.3301
1760	14.8	15	0.1128	0.0187	0.2667	0.3982	0.0253	0.056	0.2424	0.3237
1761	15.1	15	0.1121	0.0188	0.2667	0.3976	0.022	0.0576	0.2449	0.3245
1762	14.5	15	0.1114	0.0189	0.2667	0.397	0.0204	0.0548	0.2466	0.3218
1763	14.5	15	0.1106	0.019	0.2666	0.3961	0.0279	0.0544	0.249	0.3312
1764	15.7	15	0.1101	0.019	0.2665	0.3956	0.037	0.0554	0.2479	0.3404
1765	15.6	15.1	0.1097	0.0191	0.2664	0.3951	0.0396	0.0588	0.2527	0.3511
1766	16	15.1	0.1096	0.0193	0.2665	0.3954	0.0351	0.0568	0.2534	0.3453
1767	15.5	15.1	0.1101	0.0194	0.2663	0.3958	0.0358	0.0537	0.249	0.3385

1768	15.6	15.1	0.1102	0.0191	0.2663	0.3956	0.0342	0.0516	0.2432	0.3289
1769	15.4	15.2	0.1105	0.0192	0.2665	0.3962	0.0244	0.051	0.2427	0.318
1770	15.6	15.2	0.1108	0.0194	0.2662	0.3964	0.0153	0.0467	0.2395	0.3016
1771	15	15.2	0.1111	0.0196	0.2658	0.3965	0.0076	0.0401	0.2369	0.2846
1772	15.1	15.2	0.1105	0.0197	0.2659	0.396	0.0003	0.0333	0.2392	0.2728
1773	14.9	15.2	0.11	0.0195	0.2656	0.3951	-0.0028	0.032	0.2392	0.2685
1774	14.7	15.1	0.1103	0.0194	0.2654	0.3951	-0.0036	0.0344	0.2411	0.2719
1775	14.9	15.1	0.1103	0.0191	0.2649	0.3943	-0.0051	0.0327	0.2453	0.2729
1776	15.4	15	0.1099	0.0187	0.2643	0.3928	-0.0016	0.0347	0.2466	0.2797
1777	15.3	14.9	0.1095	0.0186	0.2644	0.3926	-0.0013	0.0384	0.2429	0.28
1778	15.2	14.9	0.1091	0.0188	0.2648	0.3927	-0.0027	0.0395	0.2444	0.2812
1779	15	14.8	0.1087	0.0188	0.2649	0.3924	-0.003	0.0425	0.2454	0.2849
1780	14.7	14.7	0.1078	0.0185	0.2654	0.3917	-0.0108	0.0486	0.2433	0.2812
1781	14.8	14.7	0.1069	0.0184	0.2656	0.3909	-0.0185	0.0525	0.2463	0.2804
1782	14.7	14.6	0.1062	0.0183	0.2655	0.3901	-0.0162	0.0505	0.247	0.2814
1783	14.6	14.5	0.1063	0.0186	0.265	0.3898	-0.015	0.0498	0.2431	0.2779
1784	14.6	14.5	0.1067	0.0186	0.2638	0.3891	-0.0163	0.0507	0.2426	0.277
1785	14.3	14.5	0.1071	0.0183	0.2631	0.3884	0.0012	0.0537	0.2409	0.2957
1786	14	14.4	0.1068	0.0179	0.2634	0.3881	0.0925	0.0482	0.1695	0.3102
1787	14.2	14.4	0.1062	0.0175	0.2636	0.3874	0.1051	0.0444	0.1467	0.2962
1788	14.2	14.4	0.1064	0.0174	0.2633	0.3872	0.108	0.0422	0.1515	0.3016
1789	14.2	14.4	0.107	0.0175	0.2627	0.3872	0.1035	0.0412	0.1502	0.2949
1790	14	14.4	0.1074	0.0175	0.2623	0.3871	0.1003	0.0407	0.1425	0.2836
1791	13.5	14.4	0.1075	0.0179	0.2623	0.3877	0.1045	0.04	0.1415	0.2859
1792	14	14.4	0.1073	0.0183	0.2624	0.388	0.1082	0.0362	0.1456	0.2901
1793	14.1	14.3	0.1069	0.0184	0.2626	0.3878	0.111	0.0305	0.1472	0.2886
1794	14.4	14.4	0.107	0.0186	0.2618	0.3874	0.1074	0.0278	0.1471	0.2823
1795	14.6	14.4	0.1066	0.0187	0.2613	0.3867	0.1027	0.033	0.1513	0.287
1796	14.3	14.5	0.1063	0.0182	0.261	0.3856	0.1008	0.0336	0.1528	0.2872
1797	15.3	14.7	0.1066	0.0175	0.2613	0.3854	0.1029	0.0398	0.1559	0.2986
1798	15.1	14.8	0.1071	0.0174	0.2611	0.3856	0.1098	0.049	0.1623	0.3211
1799	14.9	14.7	0.1072	0.0172	0.2604	0.3849	0.1051	0.0597	0.1743	0.3391
1800	14.2	14.2	0.1085	0.0167	0.2599	0.3851	0.1021	0.0625	0.1845	0.3491