

Test Name	OSB, MW, 200 mm cavity, rep 1
Cladding	Oriented Strand Board (OSB)
Cladding Thickness [mm]	11
Insulation	Mineral Wool (MW)
Insulation Thickness [mm]	25
Cavity Width [mm]	200
Repetition Number	1
Mass Flow Rate (Propane)	0.2
Description	This experiment is on a system consisting of an Oriented Strand Board (OSB) cladding panel and a Mineral Wool (MW) insulation panel, separated with a cavity of 200 mm width. It is the first repetition of this system configuration.
Experiment Notes	At approximately 10 minutes the OSB panel began to touch the insulation panel, affecting the mass measurements. 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]	151
Time to Peak HRR [mins]	7.95
Residual HRR [kW]	8.55
Total HR [MJ]	55
Peak dQ/dt [kW/s]	0.66
Time to Peak dQ/dt [s]	8.25

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	-0.0444	-0.0444	4.0981	2.433	-0.0005	6.5306	0.3418	0.0179	-0.0079	0.3518
1	0.155	0.0733	4.0978	2.4335	-0.0007	6.5306	0.336	0.018	-0.0069	0.3471
2	0.109	0.212	4.0989	2.4338	-0.0008	6.5319	0.3299	0.0164	-0.0055	0.3407
3	0.31	0.416	4.0993	2.4336	-0.0009	6.532	0.3219	0.0098	-0.0047	0.327
4	0.53	0.705	4.0994	2.4336	-0.0008	6.5322	0.3074	0	-0.0046	0.3027
5	0.834	1.11	4.0994	2.4335	-0.0009	6.5321	0.2965	-0.0101	-0.0054	0.2811
6	1.02	1.57	4.099	2.4336	-0.0008	6.5317	0.2993	-0.0176	-0.0075	0.2742
7	1.43	2.04	4.0991	2.4334	-0.0006	6.5319	0.3123	-0.0208	-0.0097	0.2818
8	2	2.54	4.0998	2.4332	-0.0005	6.5325	0.3335	-0.0204	-0.0093	0.3038
9	2.58	3.02	4.0996	2.4331	-0.0005	6.5322	0.3406	-0.0201	-0.0044	0.3162
10	3.27	3.42	4.099	2.4329	-0.0005	6.5313	0.3296	-0.0211	0.0001	0.3086
11	3.89	3.83	4.0991	2.4326	-0.0007	6.5311	0.3008	-0.021	0.0008	0.2806
12	4.3	4.26	4.1	2.4325	-0.0009	6.5316	0.2754	-0.0207	-0.0004	0.2543
13	4.91	4.7	4.0999	2.4326	-0.0007	6.5318	0.2715	-0.0194	-0.0039	0.2482
14	5.26	5.14	4.0985	2.4328	-0.0005	6.5309	0.2697	-0.0168	-0.0038	0.2492
15	5.91	5.57	4.0981	2.4325	-0.0001	6.5304	0.277	-0.0173	-0.0002	0.2596
16	6.74	5.98	4.0973	2.4324	-0.0005	6.5293	0.3021	-0.0212	0.0023	0.2832
17	6.92	6.4	4.0968	2.4321	-0.0004	6.5285	0.3304	-0.0249	0.0014	0.3068
18	7.34	6.8	4.0972	2.4321	-0.0003	6.529	0.3476	-0.0274	-0.0007	0.3194
19	7.54	7.14	4.0979	2.4323	-0.0004	6.5298	0.3561	-0.0263	0.0001	0.3299
20	7.92	7.43	4.0984	2.4323	-0.0005	6.5302	0.3652	-0.0283	0.0051	0.342
21	8.28	7.73	4.0986	2.4324	-0.0007	6.5303	0.3717	-0.0279	0.0076	0.3514
22	8.54	8.02	4.0988	2.4324	-0.0007	6.5305	0.3842	-0.03	0.0052	0.3593
23	8.91	8.3	4.0988	2.4324	-0.0006	6.5306	0.3948	-0.031	0.0079	0.3718
24	8.99	8.55	4.0985	2.4324	-0.0006	6.5304	0.413	-0.0326	0.0105	0.3909
25	8.91	8.78	4.098	2.4324	-0.0004	6.53	0.4269	-0.0338	0.0113	0.4044
26	9.48	8.95	4.0972	2.4325	-0.0003	6.5293	0.4393	-0.0356	0.0112	0.4149
27	9.51	9.13	4.0967	2.4326	-0.0005	6.5289	0.4528	-0.0375	0.0107	0.426
28	8.98	9.31	4.0958	2.4325	-0.0008	6.5275	0.4613	-0.0368	0.0089	0.4334

29	8.92	9.48	4.0944	2.4327	-0.0007	6.5264	0.4686	-0.0352	0.0044	0.4378
30	9.48	9.62	4.0937	2.4328	-0.0006	6.5258	0.488	-0.0336	0.0009	0.4552
31	9.78	9.73	4.0927	2.4326	-0.0006	6.5248	0.4963	-0.0331	0.0026	0.4658
32	10.3	9.82	4.0917	2.4328	-0.0004	6.524	0.499	-0.0319	0.0004	0.4676
33	10.1	9.92	4.0896	2.4329	-0.0004	6.5222	0.5023	-0.0288	-0.0037	0.4698
34	10.2	10	4.0881	2.433	-0.0005	6.5206	0.5036	-0.0245	-0.0047	0.4744
35	10.1	10.1	4.0871	2.433	-0.0007	6.5195	0.5036	-0.0227	-0.0019	0.479
36	10.3	10.2	4.0865	2.4329	-0.0008	6.5187	0.5088	-0.0245	0.0001	0.4845
37	10.7	10.3	4.0862	2.433	-0.0008	6.5184	0.5159	-0.0255	-0.001	0.4895
38	10.7	10.4	4.0855	2.4332	-0.0008	6.5179	0.5166	-0.0234	-0.0017	0.4915
39	10.6	10.5	4.0843	2.4333	-0.0008	6.5168	0.5201	-0.0225	-0.002	0.4957
40	10.5	10.6	4.0831	2.4332	-0.0008	6.5155	0.5192	-0.023	-0.0037	0.4925
41	10.3	10.6	4.0818	2.4331	-0.001	6.5138	0.5144	-0.0208	-0.0007	0.493
42	10.8	10.7	4.0805	2.433	-0.0011	6.5124	0.5228	-0.0223	0.0004	0.5008
43	10.6	10.7	4.0801	2.433	-0.0009	6.5122	0.5226	-0.0216	0.0013	0.5022
44	10.8	10.7	4.0793	2.4329	-0.0006	6.5116	0.5235	-0.0211	0.0022	0.5046
45	10.9	10.8	4.0785	2.4329	-0.0006	6.5108	0.5269	-0.0209	0.0004	0.5064
46	11.3	10.8	4.0774	2.433	-0.0005	6.5099	0.5272	-0.0193	-0.0006	0.5072
47	11	10.8	4.0773	2.4326	-0.0004	6.5095	0.5266	-0.0174	0.0005	0.5097
48	10.8	10.8	4.0769	2.4321	-0.0005	6.5085	0.5301	-0.0169	0.0002	0.5135
49	11.1	10.7	4.0774	2.4319	-0.0007	6.5087	0.5326	-0.016	-0.0005	0.5161
50	11.1	10.8	4.0774	2.4319	-0.0007	6.5086	0.5358	-0.0158	-0.0004	0.5196
51	11	10.8	4.0774	2.432	-0.0008	6.5086	0.5763	-0.0137	0.006	0.5686
52	10.6	10.8	4.0775	2.4323	-0.0008	6.509	0.5772	-0.0053	0.0041	0.576
53	10.6	10.8	4.0779	2.4328	-0.0008	6.5099	0.5936	-0.0025	0.0022	0.5934
54	10.7	10.8	4.0782	2.4334	-0.0008	6.5108	0.6036	-0.0019	0.0003	0.602
55	10.6	10.8	4.0778	2.4338	-0.0006	6.5109	0.612	-0.0028	0.0007	0.61
56	10.5	10.8	4.0767	2.434	-0.0005	6.5102	0.6211	-0.0044	-0.0032	0.6135
57	10.7	10.8	4.0752	2.434	-0.0005	6.5087	0.6252	-0.0032	-0.0026	0.6195
58	10.3	10.8	4.0744	2.434	-0.0008	6.5076	0.6378	-0.0047	0.0017	0.6348
59	11.2	10.8	4.0747	2.4341	-0.0011	6.5078	0.6567	-0.0095	0.0036	0.6508
60	10.4	10.8	4.0762	2.4341	-0.0011	6.5092	0.6644	-0.0127	0.003	0.6547
61	10.6	10.8	4.0774	2.4341	-0.001	6.5105	0.6674	-0.0126	0.0026	0.6574
62	10.9	10.9	4.0774	2.434	-0.0008	6.5106	0.6868	-0.0176	0.0011	0.6703
63	10.8	11	4.0773	2.4339	-0.0008	6.5103	0.7076	-0.0197	-0.0008	0.6871
64	10.8	11	4.0765	2.4339	-0.001	6.5094	0.718	-0.0177	-0.0031	0.6972
65	10.9	11.1	4.0746	2.4342	-0.0012	6.5076	0.7121	-0.0163	-0.0022	0.6936

66	10.8	11.2	4.0724	2.4345	-0.0011	6.5057	0.7171	-0.0175	0.0016	0.7011
67	11.3	11.4	4.0709	2.4347	-0.001	6.5046	0.7226	-0.0159	-0.0018	0.7049
68	11.4	11.5	4.0699	2.4346	-0.0011	6.5035	0.729	-0.0181	-0.0006	0.7103
69	11.4	11.6	4.069	2.4348	-0.0014	6.5023	0.7425	-0.0185	0.0013	0.7252
70	10.8	11.7	4.0681	2.4348	-0.0016	6.5013	0.7555	-0.015	0.001	0.7414
71	11.9	11.8	4.0669	2.435	-0.0014	6.5004	0.768	-0.0123	0.0017	0.7573
72	12	11.9	4.0657	2.4351	-0.0016	6.4991	0.7793	-0.0077	0.0014	0.773
73	12.2	12.1	4.064	2.4352	-0.0018	6.4974	0.7831	-0.0016	0.0009	0.7824
74	12.4	12.2	4.0625	2.4354	-0.0019	6.496	0.7744	0	0.0018	0.7762
75	12.7	12.3	4.0611	2.4355	-0.0019	6.4948	0.7626	0	0.0005	0.7631
76	12.9	12.5	4.0597	2.4357	-0.0019	6.4935	0.762	0	0.0044	0.7664
77	12.5	12.6	4.0585	2.4357	-0.0017	6.4925	0.7548	-0.0021	0.0092	0.762
78	12.6	12.7	4.0575	2.4356	-0.0014	6.4917	0.7669	-0.0028	0.0092	0.7733
79	13.2	12.8	4.0555	2.4355	-0.0011	6.4899	0.7698	-0.0031	0.0046	0.7713
80	13.1	12.9	4.0543	2.4355	-0.0013	6.4886	0.7743	-0.003	0.005	0.7763
81	12.9	13.1	4.0536	2.4354	-0.0011	6.4879	0.7832	-0.0042	0.0071	0.7861
82	13	13.2	4.0528	2.4352	-0.0007	6.4873	0.7852	-0.0053	0.0071	0.7869
83	13	13.3	4.0522	2.4349	-0.0007	6.4864	0.7789	-0.0017	0.0076	0.7848
84	13.4	13.3	4.0517	2.4347	-0.0009	6.4856	0.7592	0.0011	0.0077	0.7681
85	13.7	13.4	4.0508	2.4349	-0.0011	6.4846	0.7534	0.0007	0.0054	0.7595
86	13.4	13.5	4.0496	2.435	-0.001	6.4837	0.7648	-0.0012	0.0025	0.7661
87	13.3	13.6	4.0491	2.4349	-0.0009	6.483	0.767	-0.0045	0.0025	0.7649
88	13.4	13.7	4.0482	2.4348	-0.0009	6.4822	0.7799	-0.0059	0.0011	0.7751
89	14.1	13.7	4.0478	2.4349	-0.0007	6.482	0.7856	-0.0033	0.001	0.7833
90	14.2	13.7	4.0477	2.4347	-0.001	6.4814	0.782	-0.002	0.001	0.781
91	14	13.8	4.0464	2.4349	-0.0011	6.4802	0.7741	-0.0027	0.0013	0.7728
92	14	13.9	4.0459	2.4348	-0.0012	6.4796	0.7663	-0.0062	-0.0003	0.7598
93	13.9	13.9	4.0453	2.4348	-0.0013	6.4789	0.7591	-0.0097	-0.0024	0.7471
94	14.1	13.9	4.0445	2.4348	-0.0011	6.4782	0.757	-0.0114	0.0006	0.7463
95	14.1	13.9	4.0439	2.4347	-0.001	6.4776	0.7599	-0.0133	0.0037	0.7503
96	14.2	13.9	4.0434	2.4345	-0.0011	6.4768	0.7839	-0.015	0.0021	0.7709
97	14.6	13.9	4.0426	2.4345	-0.0011	6.476	0.7918	-0.015	0.0039	0.7808
98	14.1	13.9	4.0418	2.4344	-0.001	6.4752	0.8124	-0.0212	0.0041	0.7954
99	13.1	13.9	4.0409	2.4344	-0.001	6.4743	0.8254	-0.0295	0.0046	0.8005
100	14.4	13.8	4.0405	2.4344	-0.0011	6.4737	0.8473	-0.0325	0.0028	0.8176
101	14.4	13.8	4.0401	2.434	-0.0011	6.473	0.8546	-0.033	0.002	0.8236
102	13.4	13.8	4.0395	2.434	-0.001	6.4725	0.8661	-0.0318	0.0024	0.8366

103	13.6	13.7	4.0389	2.4338	-0.0009	6.4718	0.8849	-0.029	0.0021	0.858
104	13.3	13.7	4.0382	2.4339	-0.0009	6.4712	0.9035	-0.0252	0.0002	0.8785
105	13.4	13.7	4.0373	2.434	-0.0005	6.4707	0.9199	-0.0206	0.0001	0.8994
106	13.4	13.7	4.0365	2.4339	-0.0006	6.4697	0.9341	-0.0172	0.0029	0.9198
107	13.5	13.8	4.0353	2.4339	-0.0008	6.4684	0.9375	-0.0161	0.0051	0.9265
108	13.7	13.8	4.0341	2.4341	-0.0009	6.4674	0.9343	-0.017	0.006	0.9233
109	13.7	13.9	4.0332	2.4343	-0.0008	6.4667	0.9419	-0.0161	0.0049	0.9308
110	13.6	13.9	4.0322	2.4341	-0.0008	6.4656	0.9609	-0.016	0.0024	0.9474
111	13.4	13.9	4.0305	2.4344	-0.0008	6.4641	0.9932	-0.0168	0.0012	0.9776
112	13.3	13.9	4.0292	2.4345	-0.0008	6.4629	1.0169	-0.0155	0.001	1.0024
113	13.9	14	4.0281	2.4344	-0.0004	6.4621	1.0324	-0.017	0.0029	1.0183
114	13.9	14.1	4.0273	2.4344	-0.0002	6.4615	1.0431	-0.0184	0.0016	1.0263
115	14.6	14.1	4.0264	2.4342	-0.0003	6.4603	1.0482	-0.0176	-0.002	1.0286
116	14.7	14.3	4.0251	2.434	-0.0003	6.4588	1.0457	-0.0143	-0.0045	1.0268
117	15	14.4	4.0239	2.434	-0.0004	6.4575	1.0385	-0.0102	-0.0044	1.0239
118	14.5	14.5	4.023	2.434	-0.0004	6.4565	1.036	-0.0076	-0.0014	1.027
119	14.3	14.6	4.0224	2.4338	-0.0005	6.4556	1.0409	-0.0084	0.0011	1.0337
120	14.8	14.8	4.0216	2.4336	-0.0007	6.4545	1.0462	-0.0065	-0.0011	1.0386
121	14.4	14.9	4.0207	2.4331	-0.0008	6.453	1.0551	-0.0084	-0.0031	1.0436
122	14.5	15	4.0205	2.4326	-0.0008	6.4522	1.0615	-0.0085	-0.0023	1.0507
123	14.5	15.1	4.0214	2.4324	-0.0008	6.453	1.0646	-0.0092	-0.0053	1.0502
124	15.1	15.2	4.0223	2.4324	-0.0006	6.4541	1.0668	-0.0077	-0.0099	1.0492
125	15.4	15.2	4.0218	2.4324	-0.0009	6.4534	1.0677	-0.0065	-0.0102	1.051
126	16.1	15.2	4.0217	2.4327	-0.0012	6.4531	1.0721	-0.0048	-0.0072	1.0602
127	15.7	15.2	4.0201	2.4329	-0.0014	6.4515	1.0752	-0.0049	-0.0057	1.0645
128	16.1	15.3	4.0188	2.4328	-0.0012	6.4504	1.081	-0.0061	-0.005	1.0698
129	16.1	15.4	4.017	2.433	-0.0012	6.4488	1.0896	-0.0075	-0.0015	1.0806
130	16.3	15.4	4.0153	2.4332	-0.0013	6.4472	1.0861	-0.008	0.0013	1.0794
131	15.8	15.4	4.0142	2.4332	-0.0013	6.4461	1.0878	-0.0053	-0.0019	1.0806
132	15.2	15.5	4.0138	2.4329	-0.0012	6.4455	1.0966	-0.0026	-0.0022	1.0918
133	15.4	15.5	4.0137	2.4328	-0.0012	6.4454	1.1087	-0.0036	0.0009	1.106
134	15.2	15.5	4.0128	2.4329	-0.0011	6.4447	1.1217	-0.0077	0.0019	1.1159
135	14.7	15.5	4.0106	2.4331	-0.0009	6.4429	1.1312	-0.0068	-0.0026	1.1217
136	15.3	15.4	4.0098	2.4334	-0.001	6.4422	1.1345	-0.003	-0.0064	1.1251
137	15.8	15.3	4.0082	2.4336	-0.0009	6.4409	1.1385	-0.0024	-0.0045	1.1316
138	15.2	15.3	4.007	2.4335	-0.0009	6.4396	1.1474	-0.0022	-0.003	1.1422
139	15.3	15.3	4.0061	2.4335	-0.0009	6.4387	1.1579	-0.0029	-0.0027	1.1523

140	15.3	15.3	4.0057	2.4335	-0.001	6.4383	1.1714	-0.003	-0.0012	1.1672
141	15.2	15.3	4.0051	2.4337	-0.001	6.4379	1.1878	-0.0057	-0.0039	1.1782
142	15	15.3	4.0046	2.434	-0.0009	6.4377	1.1915	0.0002	-0.0042	1.1875
143	14.8	15.4	4.0044	2.4341	-0.0009	6.4376	1.201	0.0028	-0.0052	1.1986
144	15.2	15.5	4.0033	2.4342	-0.001	6.4365	1.2077	0.0039	-0.0066	1.205
145	14.7	15.6	4.0001	2.4344	-0.0008	6.4337	1.2107	0.0061	-0.0045	1.2124
146	15.1	15.7	3.9982	2.4345	-0.0009	6.4318	1.2193	0.0079	-0.0026	1.2247
147	15.3	15.8	3.9961	2.4347	-0.0008	6.43	1.2324	0.01	-0.0032	1.2391
148	15.9	16	3.9943	2.435	-0.0009	6.4284	1.2334	0.0133	-0.0043	1.2424
149	15.7	16.1	3.9927	2.4352	-0.0009	6.4269	1.2419	0.0147	-0.0058	1.2507
150	16	16.3	3.9919	2.4352	-0.0009	6.4262	1.2467	0.0133	-0.0051	1.2549
151	16	16.4	3.9908	2.4351	-0.001	6.4249	1.2626	0.0145	-0.0059	1.2712
152	16.4	16.5	3.989	2.4352	-0.001	6.4232	1.274	0.0092	-0.0049	1.2782
153	17.2	16.7	3.9876	2.4353	-0.0008	6.4221	1.2882	0.0112	-0.0029	1.2965
154	17.2	16.9	3.9862	2.4354	-0.0008	6.4209	1.2956	0.0133	-0.0002	1.3087
155	17.5	17.1	3.9843	2.4355	-0.0009	6.4189	1.3126	0.0129	-0.0009	1.3245
156	18	17.3	3.983	2.4356	-0.001	6.4176	1.3321	0.0137	-0.0001	1.3457
157	17.8	17.5	3.9817	2.4357	-0.0011	6.4163	1.338	0.0128	0.0008	1.3515
158	18.1	17.6	3.9802	2.4356	-0.0013	6.4146	1.3456	0.0122	-0.001	1.3568
159	18.1	17.8	3.9786	2.4357	-0.0013	6.413	1.3529	0.0145	-0.0003	1.3671
160	17.9	18	3.9769	2.4358	-0.0012	6.4114	1.368	0.0145	0.0027	1.3853
161	17.6	18.2	3.9758	2.4357	-0.0011	6.4103	1.3773	0.0099	0.0035	1.3907
162	18.2	18.4	3.9742	2.4357	-0.0011	6.4088	1.3791	0.0102	0.0026	1.3919
163	18.3	18.5	3.9729	2.4357	-0.001	6.4077	1.3936	0.0107	0.0013	1.4056
164	18.5	18.7	3.9717	2.4357	-0.0008	6.4066	1.4109	0.0097	0.0036	1.4241
165	18.8	18.9	3.97	2.4356	-0.0007	6.4049	1.4387	0.0051	0.0061	1.4499
166	18.7	19	3.9685	2.4355	-0.0007	6.4033	1.4481	0.0001	0.0069	1.4551
167	18.6	19.2	3.9673	2.4354	-0.0009	6.4019	1.4608	-0.0043	0.005	1.4616
168	19.4	19.4	3.9659	2.4355	-0.0012	6.4002	1.4836	-0.0065	0.0044	1.4815
169	20	19.5	3.9643	2.4355	-0.0013	6.3985	1.488	-0.0085	0.0035	1.483
170	19.3	19.7	3.9626	2.4356	-0.0013	6.397	1.4989	-0.0098	0.0017	1.4908
171	19.6	19.9	3.9607	2.4358	-0.0012	6.3953	1.5066	-0.0107	0.0019	1.4978
172	20.7	20	3.9592	2.436	-0.0011	6.3941	1.5143	-0.014	0.0003	1.5006
173	20.9	20.2	3.9573	2.436	-0.0008	6.3924	1.533	-0.0187	-0.0007	1.5136
174	21	20.3	3.9557	2.436	-0.0009	6.3909	1.5658	-0.0194	-0.0008	1.5455
175	20.4	20.5	3.9539	2.436	-0.0012	6.3887	1.597	-0.019	0.0004	1.5784
176	21.1	20.6	3.9521	2.4362	-0.0013	6.387	1.6134	-0.0182	-0.0024	1.5928

177	21.3	20.8	3.9504	2.4363	-0.0012	6.3855	1.6344	-0.0142	-0.0054	1.6148
178	21	20.9	3.9485	2.4364	-0.0013	6.3836	1.6471	-0.0116	-0.0066	1.6289
179	20.8	21	3.9469	2.4363	-0.0013	6.3819	1.6728	-0.0126	-0.0046	1.6556
180	20.7	21.2	3.9455	2.436	-0.0011	6.3805	1.681	-0.0099	-0.005	1.6661
181	20.9	21.3	3.9439	2.4357	-0.0009	6.3788	1.6947	-0.007	-0.0061	1.6816
182	21.5	21.4	3.942	2.4356	-0.0008	6.3767	1.7324	-0.0066	-0.0069	1.7189
183	21.6	21.5	3.9401	2.4356	-0.0008	6.3749	1.7501	-0.0111	-0.0044	1.7346
184	21.5	21.6	3.9386	2.4354	-0.0006	6.3734	1.7994	-0.0157	-0.0015	1.7821
185	22	21.6	3.9373	2.4352	-0.0004	6.3721	1.8225	-0.0176	-0.0003	1.8045
186	21.8	21.7	3.9358	2.4353	-0.0005	6.3705	1.8274	-0.0145	-0.0002	1.8127
187	21.1	21.8	3.9343	2.4351	-0.0006	6.3688	1.8437	-0.0076	-0.0015	1.8346
188	22.2	21.9	3.9324	2.4351	-0.0006	6.3669	1.8505	-0.0031	0.0003	1.8477
189	22.1	22	3.9307	2.4352	-0.0006	6.3652	1.8648	-0.0039	0.0016	1.8625
190	22.7	22.1	3.9289	2.4353	-0.0006	6.3636	1.8858	-0.0036	0.0026	1.8848
191	22.5	22.1	3.9273	2.4348	-0.0007	6.3615	1.9148	-0.0015	0.0001	1.9135
192	22.3	22.2	3.9258	2.4345	-0.0006	6.3597	1.9302	0.0043	-0.0017	1.9329
193	22	22.2	3.9245	2.4344	-0.0006	6.3584	1.9536	0.0127	-0.003	1.9633
194	21.6	22.3	3.9234	2.4342	-0.0006	6.3569	1.9781	0.0152	-0.0033	1.99
195	22.2	22.4	3.922	2.4339	-0.0007	6.3551	1.9991	0.0171	-0.002	2.0143
196	23.2	22.5	3.9202	2.4335	-0.0008	6.3529	1.9944	0.0183	0.0022	2.0149
197	22.9	22.6	3.9192	2.4331	-0.0006	6.3517	2.0168	0.0189	0.0042	2.0399
198	22.8	22.7	3.9176	2.4329	-0.0004	6.3501	2.025	0.0221	0.0065	2.0536
199	22.2	22.9	3.9163	2.4331	-0.0005	6.3488	2.041	0.0269	0.0044	2.0723
200	22.5	22.9	3.9142	2.4329	-0.0005	6.3466	2.0583	0.0297	0.0045	2.0925
201	22	23	3.9127	2.4331	-0.0006	6.3452	2.0785	0.0287	0.006	2.1132
202	22.4	23.1	3.9107	2.4329	-0.0007	6.3429	2.0981	0.0249	0.005	2.1279
203	22.5	23.3	3.9093	2.4325	-0.0009	6.3409	2.1157	0.0231	0.0051	2.1439
204	24.4	23.5	3.907	2.4326	-0.0008	6.3388	2.1281	0.0263	0.0087	2.163
205	23.4	23.7	3.9041	2.4326	-0.0005	6.3362	2.1481	0.0265	0.0102	2.1848
206	23.8	23.9	3.9027	2.4326	-0.0007	6.3346	2.1592	0.025	0.008	2.1923
207	24.5	24.1	3.9008	2.4327	-0.0007	6.3327	2.1815	0.0238	0.0063	2.2116
208	24.7	24.3	3.8988	2.4327	-0.0008	6.3307	2.2065	0.0229	0.0049	2.2343
209	24.2	24.5	3.8964	2.4329	-0.0011	6.3282	2.2302	0.0206	0.0014	2.2522
210	23.7	24.8	3.8945	2.4332	-0.0011	6.3265	2.2511	0.0209	-0.0017	2.2703
211	24.2	25.1	3.8925	2.4334	-0.0011	6.3249	2.2625	0.0227	-0.0015	2.2836
212	25	25.4	3.8899	2.4334	-0.0009	6.3224	2.2833	0.0246	0.0019	2.3098
213	25.7	25.6	3.887	2.4334	-0.0008	6.3197	2.2948	0.0264	0.0039	2.3252

214	26.4	25.8	3.8835	2.4339	-0.0008	6.3165	2.3223	0.0245	0.0053	2.3522
215	26.6	26.1	3.8816	2.4342	-0.001	6.3148	2.3566	0.0198	0.0049	2.3813
216	26.9	26.3	3.879	2.4344	-0.0008	6.3126	2.387	0.0185	0.0063	2.4118
217	27.3	26.6	3.8755	2.4346	-0.0008	6.3093	2.4216	0.0171	0.0056	2.4443
218	26.3	26.8	3.8742	2.4348	-0.0008	6.3082	2.4476	0.0158	0.004	2.4674
219	27.1	27.1	3.8725	2.4348	-0.0007	6.3066	2.4762	0.0167	0.0013	2.4942
220	27.9	27.4	3.871	2.4346	-0.0009	6.3047	2.5077	0.0184	0.0004	2.5265
221	27.4	27.8	3.8692	2.4345	-0.0008	6.3029	2.5291	0.0229	0.0008	2.5528
222	27.7	28.1	3.8672	2.4344	-0.0007	6.3009	2.5519	0.0272	0.0011	2.5802
223	28.3	28.3	3.8648	2.4343	-0.0007	6.2985	2.5912	0.0294	0.0024	2.623
224	28.3	28.5	3.8626	2.4343	-0.0007	6.2962	2.6046	0.031	0.0061	2.6417
225	28.3	28.7	3.8605	2.4342	-0.0006	6.2941	2.6327	0.0311	0.0031	2.667
226	29.1	28.9	3.8583	2.4341	-0.0007	6.2916	2.6584	0.033	-0.0008	2.6906
227	29.7	29.2	3.8553	2.434	-0.0007	6.2886	2.6777	0.0385	-0.0011	2.7151
228	29.2	29.5	3.8515	2.4341	-0.0008	6.2848	2.7143	0.0408	0.0036	2.7587
229	29.2	29.8	3.8489	2.434	-0.0007	6.2821	2.7485	0.0415	0.003	2.793
230	31.4	30.1	3.8459	2.4339	-0.0007	6.2791	2.7717	0.0391	0.0038	2.8146
231	30.3	30.4	3.841	2.4338	-0.0006	6.2742	2.7998	0.037	0.0086	2.8454
232	29.8	30.7	3.8388	2.434	-0.0008	6.272	2.8317	0.0339	0.0114	2.877
233	30.8	31	3.8338	2.4344	-0.001	6.2672	2.8615	0.0334	0.0102	2.9051
234	30.8	31.3	3.8306	2.4347	-0.001	6.2642	2.8943	0.0375	0.0102	2.942
235	31.2	31.7	3.8279	2.4346	-0.0009	6.2616	2.9307	0.0369	0.0144	2.982
236	31.6	31.9	3.8254	2.4342	-0.0008	6.2587	2.9552	0.0328	0.0186	3.0066
237	32.3	32.2	3.8232	2.4339	-0.0009	6.2561	2.9927	0.0307	0.0155	3.0389
238	33.4	32.5	3.8205	2.4339	-0.0011	6.2533	3.0376	0.029	0.01	3.0767
239	32.9	32.8	3.8176	2.4339	-0.0012	6.2503	3.063	0.0319	0.011	3.1059
240	33.6	33	3.8142	2.4337	-0.001	6.2469	3.0943	0.0365	0.0101	3.1409
241	32.6	33.4	3.8121	2.4333	-0.0008	6.2446	3.1255	0.0395	0.0092	3.1741
242	34	33.7	3.8092	2.4327	-0.0006	6.2413	3.1483	0.0347	0.0084	3.1914
243	35.4	34	3.8066	2.4326	-0.0006	6.2386	3.1836	0.0302	0.0072	3.221
244	34.7	34.3	3.8034	2.4325	-0.0008	6.2351	3.2276	0.0297	0.0075	3.2648
245	33.6	34.6	3.8007	2.4326	-0.001	6.2322	3.2706	0.0302	0.0072	3.308
246	34.8	34.9	3.7966	2.4326	-0.0013	6.2279	3.3093	0.0284	0.006	3.3437
247	35.3	35.2	3.7936	2.4325	-0.0015	6.2246	3.3467	0.0232	0.006	3.3759
248	35.2	35.5	3.7902	2.4323	-0.0014	6.2212	3.3884	0.0174	0.0066	3.4124
249	35.6	35.8	3.7869	2.4322	-0.0014	6.2177	3.4285	0.0149	0.0092	3.4526
250	36.2	36.1	3.7841	2.4323	-0.0015	6.2149	3.4803	0.0136	0.0108	3.5047

251	36.5	36.6	3.7809	2.4327	-0.0015	6.2121	3.5221	0.0113	0.0079	3.5413
252	36.2	36.9	3.7774	2.4329	-0.0015	6.2088	3.5675	0.0137	0.0086	3.5898
253	36.6	37.2	3.7748	2.4327	-0.0017	6.2058	3.607	0.0126	0.0103	3.6298
254	36.5	37.6	3.7714	2.4328	-0.0018	6.2024	3.6776	0.0083	0.0104	3.6963
255	37.5	38.1	3.7684	2.433	-0.0017	6.1997	3.7103	0.0077	0.0107	3.7287
256	38.5	38.5	3.7648	2.4332	-0.0016	6.1964	3.7445	0.0075	0.0101	3.7621
257	38.6	38.9	3.7611	2.4334	-0.0016	6.1929	3.7904	0.0076	0.0072	3.8052
258	38.9	39.3	3.7572	2.4335	-0.0014	6.1893	3.8118	0.0084	0.0077	3.8279
259	39.9	39.7	3.7535	2.4336	-0.0011	6.186	3.8466	0.0116	0.0061	3.8643
260	40.8	40.1	3.7506	2.4335	-0.0011	6.1831	3.8798	0.0194	0.0051	3.9044
261	41.2	40.5	3.7474	2.4332	-0.0013	6.1793	3.9107	0.0264	0.0035	3.9405
262	40.8	41	3.7447	2.4331	-0.0015	6.1763	3.9644	0.0258	0.0044	3.9947
263	41.7	41.5	3.7407	2.4333	-0.0015	6.1725	3.9954	0.0272	0.0067	4.0293
264	42.7	42	3.736	2.4337	-0.0013	6.1684	4.0308	0.0283	0.008	4.0671
265	42.6	42.5	3.7313	2.4338	-0.0014	6.1637	4.0538	0.0313	0.01	4.0951
266	43.2	43.1	3.7264	2.4338	-0.0013	6.1589	4.095	0.0351	0.0093	4.1394
267	42.4	43.7	3.7225	2.4339	-0.0013	6.1551	4.1396	0.0352	0.0096	4.1844
268	43.3	44.3	3.7182	2.4338	-0.0013	6.1507	4.1888	0.0385	0.0084	4.2357
269	43.8	44.9	3.7136	2.4336	-0.0013	6.1458	4.2564	0.041	0.0065	4.3039
270	44.1	45.4	3.7097	2.4333	-0.0014	6.1417	4.3101	0.0404	0.0055	4.3561
271	46.2	45.9	3.7055	2.4331	-0.0013	6.1373	4.3689	0.0391	0.0045	4.4126
272	45.1	46.4	3.7001	2.4331	-0.0013	6.1318	4.4397	0.0361	0.0075	4.4833
273	46.2	46.9	3.6968	2.4329	-0.0015	6.1283	4.5014	0.0293	0.0077	4.5383
274	47.7	47.4	3.6925	2.4329	-0.0012	6.1242	4.549	0.0274	0.008	4.5844
275	49.1	47.9	3.6881	2.4327	-0.0011	6.1197	4.5928	0.0279	0.0085	4.6291
276	50	48.5	3.6844	2.4323	-0.0012	6.1155	4.6366	0.028	0.0094	4.6741
277	51.5	49.1	3.679	2.4322	-0.0016	6.1096	4.6831	0.0296	0.009	4.7217
278	50.7	49.6	3.6737	2.4322	-0.0016	6.1043	4.7373	0.0289	0.0094	4.7757
279	50.9	50.2	3.6697	2.4324	-0.0016	6.1005	4.7707	0.0294	0.0097	4.8098
280	51.1	50.8	3.6656	2.4323	-0.0019	6.096	4.8115	0.0299	0.0105	4.8519
281	50.2	51.3	3.6608	2.4323	-0.002	6.0911	4.8505	0.0301	0.0084	4.889
282	50.7	51.8	3.6558	2.4322	-0.0019	6.0862	4.872	0.0295	0.0068	4.9083
283	52.2	52.3	3.6506	2.4319	-0.0019	6.0807	4.9283	0.0332	0.0052	4.9667
284	52.3	52.7	3.6455	2.4317	-0.0021	6.0752	4.9376	0.0402	0.0016	4.9793
285	54.3	53.2	3.6418	2.4319	-0.0023	6.0715	4.981	0.0458	-0.0012	5.0256
286	53.9	53.7	3.6365	2.4322	-0.0021	6.0666	5.0163	0.0474	0.0036	5.0673
287	51.7	54.2	3.6306	2.4322	-0.0016	6.0611	5.0832	0.0477	0.0037	5.1346

288	56.3	54.7	3.6261	2.4319	-0.0017	6.0564	5.1315	0.0445	0.0034	5.1794
289	54.3	55.3	3.6212	2.4315	-0.0016	6.0512	5.1762	0.044	0.0017	5.2219
290	56.2	55.7	3.6164	2.4313	-0.0015	6.0462	5.2102	0.0449	0.0017	5.2567
291	56	56.1	3.6124	2.4314	-0.0015	6.0423	5.2458	0.0418	0.0066	5.2941
292	54.6	56.7	3.6075	2.4315	-0.0014	6.0376	5.2954	0.0346	0.0096	5.3395
293	55.5	57.2	3.6018	2.4314	-0.0014	6.0319	5.3441	0.0266	0.0085	5.3791
294	57.9	57.8	3.5963	2.4312	-0.0014	6.0261	5.4	0.026	0.0047	5.4307
295	59.6	58.4	3.5911	2.431	-0.0013	6.0208	5.4432	0.0269	0.0025	5.4726
296	60.6	59	3.5855	2.4312	-0.0014	6.0153	5.5041	0.027	0.0008	5.532
297	61.8	59.6	3.5804	2.4314	-0.0013	6.0105	5.5548	0.0291	-0.0011	5.5828
298	60.9	60.2	3.5748	2.4314	-0.0013	6.0049	5.5799	0.0312	-0.0026	5.6085
299	58.4	60.8	3.5682	2.4317	-0.0016	5.9984	5.6173	0.0344	-0.0019	5.6498
300	59.1	61.3	3.562	2.4318	-0.0013	5.9925	5.6518	0.0333	-0.0012	5.684
301	61.7	61.9	3.5559	2.4317	-0.0015	5.9862	5.6975	0.0362	-0.0039	5.7299
302	62.6	62.7	3.55	2.4316	-0.0017	5.9799	5.7414	0.0406	-0.0035	5.7786
303	63.3	63.5	3.5416	2.4317	-0.0019	5.9713	5.7825	0.0429	-0.0013	5.824
304	64.9	64.1	3.536	2.4318	-0.0019	5.9659	5.8344	0.0408	-0.0019	5.8733
305	64.8	64.6	3.5297	2.4318	-0.0015	5.96	5.8803	0.0408	-0.0035	5.9176
306	64.7	65.3	3.5236	2.4318	-0.0014	5.9541	5.9399	0.0432	-0.0055	5.9776
307	66	65.9	3.5196	2.4318	-0.0015	5.9499	5.9801	0.0453	-0.0063	6.0191
308	66	66.6	3.5141	2.4315	-0.0014	5.9442	6.0265	0.0471	-0.0033	6.0703
309	65.5	67.5	3.5084	2.4309	-0.0016	5.9377	6.0677	0.0445	0.0004	6.1126
310	68.3	68.3	3.5034	2.4305	-0.0015	5.9324	6.1361	0.0419	0.0051	6.183
311	69.2	69.1	3.4961	2.4308	-0.0015	5.9254	6.1883	0.0389	0.007	6.2342
312	72	69.7	3.4903	2.4307	-0.0016	5.9194	6.2313	0.0323	0.0059	6.2694
313	68.4	70.3	3.484	2.4306	-0.0016	5.913	6.2827	0.0278	0.0042	6.3147
314	70	70.9	3.4781	2.4308	-0.0018	5.907	6.3232	0.0292	0.0036	6.356
315	73.5	71.5	3.4721	2.4307	-0.0019	5.9009	6.3645	0.0365	0.0067	6.4076
316	73.6	72.3	3.465	2.4309	-0.0018	5.8942	6.4116	0.033	0.0062	6.4508
317	73.7	73.2	3.4567	2.4308	-0.0016	5.8858	6.4313	0.0287	0.0039	6.4639
318	74.6	73.9	3.4486	2.4307	-0.0015	5.8778	6.4778	0.0263	0.0041	6.5083
319	75.4	74.7	3.4414	2.4308	-0.0013	5.8709	6.5293	0.0243	0.0033	6.5569
320	75.9	75.4	3.4341	2.4307	-0.0013	5.8635	6.5572	0.0233	0.0019	6.5824
321	75.5	76.1	3.4253	2.4309	-0.0016	5.8546	6.6029	0.0215	0.0003	6.6247
322	74.3	76.6	3.417	2.4315	-0.0015	5.8471	6.6388	0.019	0.001	6.6588
323	76.3	77.4	3.4099	2.4316	-0.0015	5.84	6.6547	0.0198	0.0016	6.6761
324	75.9	78.1	3.4033	2.4315	-0.0015	5.8333	6.6978	0.0217	0.0005	6.7199

325	80.6	78.6	3.3968	2.4314	-0.0016	5.8267	6.728	0.0251	0.0038	6.7569
326	81.9	79.3	3.39	2.4311	-0.0016	5.8195	6.7798	0.0238	0.007	6.8106
327	80.2	79.9	3.3816	2.4311	-0.0017	5.8111	6.8258	0.0195	0.006	6.8513
328	80.8	80.2	3.3744	2.4311	-0.0018	5.8038	6.8633	0.0192	0.001	6.8835
329	81.8	80.6	3.3677	2.431	-0.0018	5.797	6.8973	0.0181	-0.0012	6.9142
330	81.6	81.2	3.3608	2.4309	-0.0015	5.7902	6.9559	0.0191	-0.0015	6.9736
331	82.4	81.9	3.3538	2.4309	-0.0013	5.7834	6.9913	0.019	-0.0036	7.0067
332	83.5	82.6	3.3459	2.4307	-0.0013	5.7754	7.024	0.0179	-0.0046	7.0374
333	82.2	83.1	3.34	2.4304	-0.0012	5.7692	7.0723	0.0158	-0.0031	7.085
334	83.1	83.7	3.3325	2.4301	-0.0009	5.7617	7.1123	0.0127	-0.001	7.1241
335	87.6	84.3	3.3263	2.4298	-0.0012	5.7549	7.1329	0.0124	0.001	7.1463
336	84.7	84.8	3.3171	2.4294	-0.0012	5.7453	7.1909	0.0146	0.0007	7.2063
337	80.8	85.5	3.31	2.4294	-0.0013	5.7382	7.2079	0.019	-0.0006	7.2264
338	82	86	3.3029	2.4295	-0.0012	5.7311	7.2434	0.0208	0.0059	7.2701
339	88.2	86.3	3.2965	2.4294	-0.0013	5.7246	7.2927	0.0181	0.0059	7.3167
340	88.7	86.9	3.2897	2.4295	-0.0016	5.7175	7.3126	0.0144	0.0061	7.3332
341	87	87.5	3.2826	2.4298	-0.0017	5.7106	7.3561	0.0136	0.0088	7.3786
342	86.7	87.9	3.2748	2.43	-0.0014	5.7034	7.4162	0.0142	0.0094	7.4398
343	87.6	88.4	3.2666	2.43	-0.0011	5.6955	7.4514	0.0153	0.0103	7.4769
344	90.8	88.9	3.259	2.4298	-0.001	5.6878	7.4797	0.0163	0.0105	7.5065
345	92.3	89.2	3.2502	2.4299	-0.0011	5.679	7.5183	0.0158	0.0104	7.5445
346	91.9	89.7	3.2411	2.4297	-0.0012	5.6696	7.5455	0.0121	0.01	7.5676
347	92	90.4	3.2356	2.4294	-0.0012	5.6638	7.5899	0.0123	0.0076	7.6098
348	87.4	91.2	3.2285	2.4289	-0.0012	5.6562	7.6283	0.0119	0.0098	7.65
349	92	91.5	3.2217	2.4289	-0.0013	5.6493	7.6529	0.0115	0.0068	7.6711
350	94.3	91.9	3.2143	2.4287	-0.0011	5.6419	7.6869	0.0157	0.005	7.7076
351	91.4	92.5	3.2068	2.4286	-0.0012	5.6343	7.7224	0.0178	0.0064	7.7465
352	90.3	93.1	3.1991	2.4286	-0.0014	5.6264	7.7492	0.0185	0.0036	7.7713
353	93	93.6	3.1913	2.4286	-0.0015	5.6185	7.7858	0.0193	0.0023	7.8074
354	93	93.9	3.1834	2.4287	-0.0014	5.6106	7.7955	0.0211	0.0016	7.8182
355	95	94.3	3.1744	2.4287	-0.0012	5.602	7.8259	0.0242	0.0019	7.852
356	93.8	94.5	3.1668	2.4287	-0.001	5.5945	7.8647	0.0262	0.0045	7.8954
357	96.6	95	3.1584	2.4287	-0.0013	5.5859	7.9224	0.0254	0.0069	7.9547
358	94.4	95.6	3.1504	2.4291	-0.0015	5.5781	7.9434	0.0253	0.0092	7.9779
359	96.3	96.1	3.1399	2.4294	-0.0016	5.5677	7.9865	0.0215	0.0086	8.0166
360	98.3	96.3	3.1318	2.4296	-0.0018	5.5596	8.0056	0.0182	0.0071	8.0309
361	99.2	96.7	3.1243	2.43	-0.0019	5.5524	8.0646	0.0168	0.0045	8.0858

362	97	97.2	3.1164	2.4303	-0.0019	5.5448	8.0895	0.02	0.0032	8.1126
363	95.5	97.6	3.1084	2.4304	-0.0019	5.5369	8.1396	0.0198	0.0021	8.1614
364	100	97.9	3.0996	2.4301	-0.002	5.5277	8.1639	0.0191	0.0032	8.1861
365	96.4	98.4	3.0902	2.4305	-0.002	5.5187	8.2027	0.0229	0.002	8.2276
366	101	99	3.0832	2.4309	-0.0017	5.5125	8.2511	0.0243	0.0017	8.2771
367	99.4	99.3	3.0747	2.4312	-0.0017	5.5043	8.2723	0.0238	0.0015	8.2976
368	100	99.5	3.0653	2.4314	-0.0016	5.495	8.2746	0.0217	-0.0005	8.2958
369	99.3	99.8	3.0579	2.4313	-0.0015	5.4876	8.3046	0.022	0.0006	8.3272
370	98.5	99.9	3.0494	2.4312	-0.0014	5.4792	8.3337	0.0226	0.0053	8.3616
371	101	100	3.0416	2.4312	-0.0014	5.4714	8.3727	0.0241	0.004	8.4007
372	99.7	101	3.0346	2.4311	-0.0015	5.4642	8.36	0.0253	-0.0014	8.3839
373	99	101	3.027	2.4307	-0.0015	5.4563	8.3742	0.0318	-0.0033	8.4027
374	105	102	3.0197	2.4304	-0.0016	5.4485	8.3856	0.0337	-0.0012	8.418
375	104	102	3.0101	2.4303	-0.0018	5.4386	8.4152	0.0319	0.0012	8.4483
376	103	102	3.0018	2.4304	-0.0018	5.4304	8.4545	0.0287	0.0017	8.4849
377	97.3	103	2.9927	2.4303	-0.0017	5.4213	8.4891	0.0241	0.0024	8.5156
378	103	103	2.984	2.4304	-0.0014	5.4129	8.5024	0.0257	0.0035	8.5316
379	99.8	104	2.9741	2.4305	-0.0015	5.4031	8.5176	0.0296	0.0049	8.5522
380	104	104	2.9664	2.4304	-0.0016	5.3953	8.5613	0.0289	0.0027	8.5928
381	107	104	2.9584	2.4305	-0.0015	5.3873	8.5896	0.0253	0.0082	8.6231
382	108	105	2.9486	2.4306	-0.0015	5.3777	8.6078	0.0255	0.007	8.6402
383	107	105	2.9394	2.4306	-0.0018	5.3682	8.637	0.022	0.0091	8.668
384	105	106	2.9322	2.4305	-0.0022	5.3606	8.6711	0.0153	0.0137	8.7001
385	106	106	2.9227	2.4305	-0.0023	5.3508	8.6934	0.0096	0.0169	8.7199
386	109	106	2.9157	2.4303	-0.002	5.344	8.732	0.005	0.0113	8.7484
387	106	107	2.9062	2.4301	-0.0022	5.3341	8.7396	0.001	0.009	8.7496
388	105	108	2.8969	2.4301	-0.0023	5.3247	8.7818	0.0048	0.0065	8.7931
389	104	108	2.89	2.4301	-0.0022	5.3178	8.7841	0.007	0.0087	8.7999
390	107	109	2.8808	2.43	-0.0024	5.3083	8.821	0.0057	0.0087	8.8355
391	109	109	2.8708	2.43	-0.0024	5.2983	8.8646	0.0076	0.003	8.8752
392	112	109	2.8623	2.43	-0.0024	5.2899	8.9538	0.011	0.0015	8.9663
393	112	110	2.8538	2.4298	-0.0024	5.2812	9.0076	0.0141	-0.0534	8.9682
394	108	110	2.8445	2.4296	-0.0024	5.2717	9.0364	0.0152	-0.0821	8.9694
395	111	110	2.8365	2.4298	-0.0023	5.264	9.0617	0.0162	-0.0852	8.9927
396	109	111	2.8265	2.43	-0.0021	5.2544	9.0811	0.0191	-0.0864	9.0138
397	113	111	2.8175	2.4302	-0.0023	5.2455	9.0968	0.0181	-0.0862	9.0287
398	115	112	2.8095	2.4303	-0.002	5.2377	9.1177	0.0161	-0.0871	9.0467

399	112	112	2.7996	2.4301	-0.0021	5.2276	9.1664	0.0099	-0.088	9.0884
400	114	113	2.7898	2.43	-0.0019	5.2178	9.1872	0.0114	-0.0904	9.1082
401	113	114	2.781	2.4299	-0.0018	5.2091	9.232	0.0109	-0.0891	9.1538
402	113	114	2.7714	2.4297	-0.002	5.1992	9.2508	0.0066	-0.0882	9.1692
403	112	115	2.762	2.4296	-0.0021	5.1895	9.2699	0.0062	-0.0892	9.1868
404	112	116	2.7534	2.4294	-0.0021	5.1807	9.3015	0.0078	-0.0895	9.2198
405	114	117	2.7432	2.4292	-0.002	5.1704	9.3457	0.009	-0.0845	9.2702
406	114	118	2.7314	2.4293	-0.0021	5.1586	9.3673	0.0101	-0.0789	9.2985
407	116	118	2.7252	2.4293	-0.0024	5.1522	9.3777	0.0128	-0.0816	9.3089
408	120	118	2.7155	2.4294	-0.0023	5.1426	9.41	0.0151	-0.0858	9.3393
409	120	119	2.7078	2.4291	-0.0023	5.1346	9.4368	0.02	-0.0886	9.3682
410	120	120	2.697	2.4288	-0.0019	5.1239	9.44	0.024	-0.0913	9.3727
411	126	120	2.6872	2.4288	-0.0018	5.1141	9.481	0.0208	-0.0887	9.413
412	126	121	2.6764	2.4287	-0.0018	5.1033	9.4921	0.0246	-0.0863	9.4303
413	126	122	2.6676	2.4287	-0.0019	5.0943	9.5024	0.0303	-0.0857	9.4469
414	126	123	2.6578	2.4285	-0.002	5.0842	9.5267	0.0294	-0.0856	9.4705
415	123	124	2.6469	2.4283	-0.0021	5.0732	9.5575	0.0218	-0.0875	9.4918
416	120	125	2.6378	2.4285	-0.0019	5.0644	9.5925	0.0228	-0.089	9.5264
417	123	126	2.6292	2.4286	-0.0016	5.0562	9.6068	0.0254	-0.0856	9.5466
418	121	127	2.6181	2.4285	-0.0015	5.0451	9.6288	0.0275	-0.0858	9.5705
419	129	127	2.6081	2.4285	-0.0018	5.0348	9.6561	0.0274	-0.086	9.5975
420	129	128	2.5968	2.4283	-0.0017	5.0234	9.692	0.0272	-0.0868	9.6324
421	128	129	2.5893	2.4284	-0.0014	5.0162	9.7085	0.0273	-0.0882	9.6476
422	129	129	2.5796	2.4283	-0.0012	5.0068	9.7311	0.0264	-0.0901	9.6674
423	129	129	2.5714	2.4282	-0.0014	4.9982	9.7519	0.0267	-0.0869	9.6918
424	132	129	2.5618	2.4283	-0.0016	4.9885	9.7737	0.0233	-0.0853	9.7118
425	134	130	2.5514	2.4286	-0.0018	4.9782	9.7982	0.0205	-0.0872	9.7314
426	132	131	2.5411	2.4287	-0.0018	4.9679	9.8042	0.0202	-0.088	9.7363
427	133	131	2.5314	2.4286	-0.002	4.9579	9.8117	0.0226	-0.0846	9.7497
428	136	132	2.5227	2.4282	-0.0022	4.9486	9.821	0.024	-0.0825	9.7625
429	131	132	2.5116	2.4281	-0.002	4.9377	9.8415	0.0263	-0.0807	9.7871
430	134	133	2.5019	2.4284	-0.0024	4.9279	9.8383	0.0285	-0.0818	9.785
431	129	133	2.493	2.4283	-0.002	4.9193	9.8543	0.0312	-0.0823	9.8032
432	132	134	2.4822	2.4285	-0.0022	4.9086	9.8824	0.0366	-0.0806	9.8385
433	135	135	2.4729	2.4288	-0.0025	4.8992	9.8558	0.0417	-0.0815	9.816
434	136	135	2.4631	2.4292	-0.0026	4.8897	9.8498	0.0452	-0.0847	9.8103
435	135	135	2.4531	2.4293	-0.0024	4.88	9.8844	0.0483	-0.0904	9.8423

436	133	136	2.4431	2.4293	-0.0021	4.8703	9.8833	0.0487	-0.091	9.8411
437	136	136	2.4318	2.429	-0.0019	4.8589	9.9162	0.0436	-0.0877	9.8722
438	132	136	2.4245	2.4288	-0.0021	4.8512	9.9093	0.0401	-0.0893	9.8601
439	139	137	2.4144	2.4288	-0.0022	4.841	9.8984	0.0396	-0.0898	9.8481
440	138	137	2.4032	2.4287	-0.0019	4.83	9.9211	0.042	-0.0899	9.8733
441	141	138	2.3872	2.4287	-0.0019	4.814	9.927	0.0477	-0.0936	9.8811
442	138	139	2.3741	2.4286	0.0039	4.8066	9.924	0.047	-0.0964	9.8745
443	139	140	2.363	2.4285	0.0071	4.7986	9.9177	0.0443	-0.0956	9.8664
444	141	141	2.3529	2.4282	0.0075	4.7886	9.9207	0.0461	-0.0911	9.8757
445	138	141	2.3421	2.428	0.0075	4.7776	9.9295	0.0422	-0.0884	9.8833
446	136	142	2.3314	2.4279	0.0074	4.7667	9.9342	0.0456	-0.0867	9.8931
447	145	143	2.3238	2.4278	0.0075	4.7591	9.9322	0.0486	-0.0809	9.8999
448	143	144	2.3119	2.4279	0.0076	4.7474	9.9457	0.0539	-0.078	9.9216
449	142	145	2.303	2.4277	0.0078	4.7385	9.9571	0.0579	-0.0729	9.9421
450	145	145	2.2911	2.4276	0.0078	4.7265	9.9426	0.0588	-0.0731	9.9283
451	148	146	2.2817	2.4279	0.0077	4.7173	9.9451	0.0594	-0.0722	9.9323
452	151	147	2.2722	2.428	0.0075	4.7077	9.9374	0.0586	-0.0693	9.9267
453	152	148	2.2612	2.4279	0.0075	4.6965	9.9185	0.0559	-0.0706	9.9038
454	148	148	2.2488	2.4278	0.007	4.6836	9.9162	0.0546	-0.0754	9.8953
455	148	149	2.2377	2.4277	0.0067	4.6721	9.9125	0.0515	-0.0734	9.8906
456	155	150	2.229	2.4274	0.0072	4.6636	9.8833	0.0513	-0.0733	9.8612
457	151	150	2.2174	2.4272	0.0073	4.6519	9.8462	0.053	-0.0759	9.8233
458	149	151	2.2068	2.4271	0.0074	4.6413	9.8658	0.0551	-0.0809	9.84
459	148	152	2.1959	2.427	0.0075	4.6304	9.854	0.0587	-0.0814	9.8313
460	151	153	2.1837	2.4275	0.0071	4.6183	9.8679	0.0561	-0.0822	9.8418
461	156	153	2.1751	2.4275	0.0067	4.6093	9.8327	0.0501	-0.0795	9.8034
462	155	154	2.1662	2.4273	0.0067	4.6001	9.8301	0.0481	-0.0782	9.8001
463	152	154	2.1557	2.4274	0.0067	4.5898	9.7891	0.0473	-0.078	9.7584
464	152	155	2.1438	2.4279	0.0067	4.5785	9.7732	0.0455	-0.0799	9.7388
465	153	156	2.1309	2.4282	0.0069	4.566	9.7553	0.0389	-0.0801	9.7141
466	154	156	2.1226	2.4284	0.0069	4.5578	9.7294	0.0317	-0.077	9.6841
467	160	157	2.1119	2.4285	0.0069	4.5472	9.7087	0.0308	-0.0723	9.6672
468	159	157	2.0997	2.4286	0.007	4.5353	9.6929	0.0294	-0.0688	9.6535
469	159	158	2.0887	2.4286	0.0071	4.5244	9.6712	0.0252	-0.0705	9.6259
470	160	159	2.0786	2.4285	0.0074	4.5145	9.6434	0.0261	-0.0752	9.5943
471	159	158	2.0685	2.4286	0.0076	4.5047	9.6127	0.0252	-0.0779	9.56
472	158	158	2.0595	2.4284	0.0072	4.495	9.6379	0.025	-0.0781	9.5848

473	165	159	2.0497	2.4284	0.007	4.4851	9.6122	0.0204	-0.0765	9.5562
474	162	159	2.0398	2.4283	0.0072	4.4753	9.6083	0.0169	-0.0794	9.5458
475	161	160	2.0297	2.4283	0.007	4.465	9.6055	0.0178	-0.081	9.5424
476	162	160	2.0206	2.4281	0.0067	4.4554	9.5831	0.0216	-0.0826	9.5221
477	162	160	2.0106	2.4279	0.0065	4.445	9.5551	0.0248	-0.084	9.496
478	162	160	1.9998	2.4278	0.0066	4.4342	9.532	0.0246	-0.0834	9.4732
479	159	160	1.9903	2.4276	0.0067	4.4246	9.5078	0.0206	-0.0817	9.4467
480	154	159	1.981	2.4273	0.0067	4.415	9.4783	0.0193	-0.0805	9.4171
481	156	159	1.9701	2.4268	0.0065	4.4035	9.477	0.0237	-0.0876	9.4131
482	157	159	1.963	2.4265	0.0066	4.3961	9.4579	0.025	-0.0849	9.398
483	162	158	1.9544	2.4261	0.0067	4.3872	9.4364	0.0313	-0.086	9.3817
484	158	157	1.9438	2.4257	0.0069	4.3763	9.4057	0.0354	-0.0894	9.3517
485	162	157	1.9344	2.4256	0.0067	4.3667	9.3745	0.0379	-0.0912	9.3212
486	158	156	1.9241	2.4259	0.0068	4.3568	9.3432	0.0394	-0.0893	9.2932
487	155	156	1.9153	2.4261	0.0067	4.3481	9.3189	0.0393	-0.0866	9.2716
488	156	156	1.907	2.4261	0.0067	4.3399	9.2849	0.037	-0.085	9.2369
489	155	155	1.8978	2.4259	0.0068	4.3305	9.2788	0.0365	-0.086	9.2293
490	154	155	1.8881	2.4252	0.007	4.3202	9.2492	0.039	-0.0869	9.2013
491	154	155	1.8784	2.4253	0.0072	4.3109	9.1998	0.0381	-0.0834	9.1545
492	148	155	1.8706	2.4256	0.0072	4.3033	9.1113	0.0371	-0.0848	9.0637
493	151	154	1.8617	2.4252	0.0067	4.2937	9.0462	0.0356	-0.0271	9.0547
494	154	154	1.8516	2.4254	0.0064	4.2834	9.0052	0.0333	0.0019	9.0403
495	152	153	1.8431	2.4253	0.0063	4.2747	8.9853	0.03	0.0049	9.0202
496	153	153	1.8333	2.4251	0.006	4.2644	8.956	0.0264	0.0068	8.9892
497	156	153	1.823	2.4248	0.0055	4.2533	8.9153	0.0238	0.0069	8.946
498	156	153	1.8138	2.4245	0.0053	4.2435	8.9073	0.0238	0.0104	8.9415
499	153	153	1.8053	2.4243	0.0052	4.2348	8.8458	0.0271	0.0086	8.8816
500	152	152	1.7953	2.4241	0.0053	4.2246	8.8271	0.0262	0.0087	8.8621
501	147	151	1.7873	2.424	0.0051	4.2164	8.7644	0.0242	0.009	8.7976
502	155	151	1.7796	2.4241	0.0051	4.2088	8.7364	0.0237	0.0113	8.7714
503	148	151	1.7704	2.4241	0.0054	4.2	8.7054	0.023	0.012	8.7405
504	155	151	1.7621	2.4243	0.0053	4.1916	8.6586	0.0229	0.0129	8.6944
505	155	151	1.7549	2.4241	0.0053	4.1843	8.6165	0.0205	0.0099	8.6469
506	154	150	1.7467	2.424	0.0055	4.1763	8.5823	0.0185	0.0066	8.6074
507	153	150	1.7387	2.4238	0.0057	4.1682	8.5577	0.0162	0.0095	8.5834
508	150	149	1.7301	2.4235	0.0058	4.1595	8.4972	0.0148	0.012	8.5239
509	144	149	1.721	2.4235	0.0059	4.1505	8.4525	0.016	0.0147	8.4833

510	141	148	1.7137	2.4238	0.006	4.1435	8.4152	0.0171	0.0147	8.447
511	145	148	1.7041	2.424	0.006	4.1341	8.3554	0.0226	0.0102	8.3882
512	150	147	1.6974	2.424	0.006	4.1274	8.337	0.0231	0.0073	8.3673
513	147	147	1.6902	2.4241	0.0061	4.1205	8.3093	0.0219	0.0065	8.3378
514	148	146	1.6823	2.4246	0.006	4.1128	8.2839	0.0268	0.0016	8.3123
515	147	146	1.674	2.4251	0.0056	4.1048	8.2231	0.0335	0.0007	8.2573
516	145	145	1.6669	2.4254	0.0053	4.0977	8.1553	0.0372	0.002	8.1945
517	144	144	1.6599	2.4257	0.0053	4.0909	8.1289	0.0395	0.002	8.1703
518	142	143	1.651	2.426	0.0055	4.0825	8.0817	0.0399	0.0024	8.1241
519	144	143	1.6437	2.4259	0.0057	4.0754	8.0253	0.0396	0.0044	8.0692
520	148	143	1.6355	2.4258	0.0061	4.0674	7.9764	0.0375	0.0072	8.0211
521	142	143	1.6255	2.4259	0.0064	4.0577	7.9375	0.0374	0.009	7.9839
522	140	143	1.6184	2.4263	0.0065	4.0512	7.9024	0.043	0.0097	7.9551
523	142	143	1.6105	2.4265	0.0066	4.0436	7.862	0.0449	0.0119	7.9189
524	139	142	1.6012	2.4265	0.0065	4.0342	7.8192	0.0422	0.0112	7.8726
525	138	142	1.5931	2.4264	0.0065	4.026	7.7724	0.0412	0.0125	7.8261
526	139	142	1.5855	2.4262	0.0066	4.0183	7.726	0.0396	0.0125	7.778
527	140	142	1.5782	2.4261	0.0063	4.0106	7.6863	0.0373	0.0079	7.7315
528	141	141	1.5719	2.4261	0.0059	4.0039	7.636	0.0374	0.0079	7.6812
529	142	141	1.5637	2.4262	0.006	3.996	7.5849	0.0405	0.011	7.6364
530	142	140	1.5542	2.426	0.0064	3.9866	7.5474	0.0445	0.0113	7.6032
531	142	140	1.5472	2.4258	0.0065	3.9795	7.4991	0.0466	0.0114	7.5571
532	144	140	1.5386	2.4254	0.0064	3.9704	7.4307	0.0433	0.0091	7.4831
533	145	139	1.5324	2.4253	0.0064	3.9641	7.4057	0.0387	0.0102	7.4546
534	143	139	1.5257	2.4254	0.0065	3.9575	7.3726	0.035	0.013	7.4206
535	141	138	1.5187	2.4254	0.0066	3.9507	7.3247	0.0268	0.0157	7.3672
536	139	138	1.5113	2.4254	0.0065	3.9432	7.2793	0.0241	0.0135	7.317
537	136	138	1.5033	2.4253	0.0066	3.9352	7.2158	0.0273	0.0137	7.2568
538	136	137	1.4966	2.4251	0.0065	3.9282	7.1733	0.0298	0.0109	7.2141
539	134	137	1.4895	2.4249	0.0065	3.9209	7.1428	0.0296	0.0092	7.1817
540	136	136	1.4832	2.4249	0.0064	3.9145	7.0994	0.0256	0.013	7.138
541	133	135	1.4761	2.425	0.0066	3.9076	7.0383	0.0196	0.0167	7.0746
542	134	135	1.4695	2.4251	0.0066	3.9011	6.9784	0.0208	0.019	7.0182
543	131	134	1.4624	2.4252	0.007	3.8945	6.9407	0.0227	0.0186	6.982
544	132	133	1.4543	2.4252	0.007	3.8865	6.8876	0.0203	0.0134	6.9213
545	132	132	1.4465	2.4253	0.0068	3.8787	6.807	0.0316	0.0066	6.8452
546	131	131	1.4399	2.4255	0.0067	3.8721	6.73	0.0613	0.0071	6.7985

547	132	131	1.4331	2.4254	0.0065	3.865	6.664	0.0807	-0.0005	6.7442
548	133	130	1.4273	2.4252	0.0067	3.8592	6.5656	0.0985	-0.0073	6.6569
549	129	130	1.4203	2.4251	0.0069	3.8523	6.4806	0.1109	-0.0097	6.5817
550	133	129	1.4147	2.4252	0.0069	3.8468	6.4056	0.1266	-0.0092	6.523
551	131	129	1.4081	2.4256	0.0065	3.8402	6.3109	0.1461	-0.0083	6.4487
552	127	128	1.4016	2.4257	0.0063	3.8336	6.2514	0.1566	-0.0089	6.3991
553	127	128	1.3953	2.4256	0.0062	3.827	6.2226	0.1454	-0.0075	6.3605
554	126	127	1.3872	2.4258	0.006	3.8189	6.1854	0.1109	-0.0056	6.2907
555	125	127	1.3795	2.4258	0.0061	3.8114	6.1764	0.0696	-0.0073	6.2386
556	126	126	1.3733	2.4258	0.0062	3.8053	6.1175	0.0771	-0.0121	6.1824
557	126	126	1.3677	2.4257	0.0061	3.7996	6.0723	0.0786	-0.0092	6.1418
558	125	125	1.3615	2.4255	0.0059	3.7929	6.0188	0.0777	-0.0063	6.0902
559	125	125	1.3544	2.4253	0.006	3.7857	5.9565	0.0741	-0.0035	6.0272
560	124	124	1.3481	2.4253	0.0061	3.7795	5.8851	0.0761	-0.0018	5.9594
561	122	123	1.3414	2.4252	0.006	3.7726	5.8355	0.0746	-0.0007	5.9094
562	120	123	1.3352	2.4251	0.006	3.7663	5.7803	0.0542	0	5.8345
563	122	123	1.3273	2.4247	0.0065	3.7586	5.7556	0.0401	-0.0001	5.7956
564	122	123	1.3215	2.4245	0.0067	3.7527	5.6715	0.0762	-0.0002	5.7476
565	123	122	1.3154	2.4245	0.0067	3.7466	5.5937	0.0974	0.0006	5.6917
566	124	121	1.3097	2.4244	0.0067	3.7408	5.5241	0.1041	-0.001	5.6272
567	123	121	1.3037	2.4245	0.0067	3.7348	5.4874	0.0888	-0.0016	5.5746
568	120	120	1.2972	2.4247	0.0065	3.7284	5.4842	0.0552	-0.0017	5.5376
569	119	120	1.291	2.4248	0.0064	3.7222	5.4112	0.0583	0.0009	5.4704
570	121	120	1.2848	2.4247	0.0065	3.7161	5.3462	0.059	0.001	5.4062
571	122	119	1.2783	2.4243	0.0066	3.7092	5.2799	0.0574	0.0025	5.3399
572	121	119	1.2733	2.4239	0.006	3.7032	5.1711	0.0817	0.0076	5.2604
573	119	119	1.2678	2.4242	0.0059	3.6978	5.0968	0.103	0.0107	5.2105
574	115	118	1.2626	2.4242	0.0059	3.6927	5.0102	0.1254	0.0047	5.1404
575	117	118	1.2571	2.4243	0.0058	3.6872	4.929	0.1372	0.0111	5.0773
576	115	117	1.252	2.4244	0.0059	3.6823	7.099	-0.0563	-1.9082	5.1345
577	115	117	1.247	2.4242	0.0058	3.6769	7.3556	-0.0291	-2.0854	5.2411
578	117	116	1.2413	2.4237	0.0055	3.6706	7.2815	-0.0211	-2.0558	5.2045
579	117	115	1.2355	2.4232	0.0056	3.6643	7.2364	-0.0382	-2.0666	5.1316
580	116	115	1.2311	2.4227	0.0055	3.6593	7.1614	-0.0511	-2.0644	5.0459
581	118	114	1.227	2.4225	0.0056	3.6552	7.0645	-0.0637	-2.0562	4.9446
582	114	113	1.2224	2.4226	0.0056	3.6506	6.9958	-0.0764	-2.0505	4.8689
583	115	112	1.2171	2.4226	0.0054	3.6452	6.915	-0.087	-2.0467	4.7812

584	112	111	1.2113	2.423	0.0053	3.6396	6.8691	-0.0909	-2.0504	4.7278
585	114	110	1.2064	2.4232	0.0054	3.635	6.8233	-0.0894	-2.0527	4.6812
586	114	110	1.2025	2.4232	0.0054	3.6311	6.7656	-0.0899	-2.0559	4.6198
587	105	109	1.198	2.4231	0.0057	3.6267	6.6925	-0.0875	-2.0603	4.5448
588	104	108	1.1927	2.4232	0.0058	3.6217	6.6122	-0.0831	-2.0619	4.4673
589	108	107	1.1879	2.4233	0.0055	3.6167	6.5511	-0.0796	-2.063	4.4085
590	107	106	1.1842	2.4232	0.0053	3.6128	6.4925	-0.0778	-2.0642	4.3505
591	102	105	1.1806	2.4232	0.0053	3.6091	6.4413	-0.0754	-2.0675	4.2984
592	98.5	104	1.1765	2.4233	0.0053	3.6051	6.3846	-0.0787	-2.0668	4.2391
593	102	103	1.173	2.4232	0.0054	3.6015	6.3296	-0.0753	-2.0638	4.1905
594	100	102	1.1709	2.4222	0.0058	3.5989	6.2593	-0.0753	-2.0567	4.1273
595	100	100	1.1701	2.4191	0.0056	3.5948	6.1831	-0.0734	-2.0559	4.0538
596	102	99.3	1.1669	2.417	0.006	3.59	6.1024	-0.067	-2.0481	3.9872
597	98.7	98.4	1.1664	2.415	0.0062	3.5876	6.0354	-0.0658	-2.043	3.9266
598	96.1	97.5	1.1657	2.4134	0.0062	3.5854	5.971	-0.071	-2.0429	3.8571
599	96.6	96.2	1.1647	2.4116	0.0061	3.5825	5.9203	-0.0786	-2.0424	3.7993
600	98	95	1.1642	2.4095	0.0061	3.5797	5.8591	-0.0834	-2.0459	3.7297
601	97.5	93.9	1.1621	2.4083	0.006	3.5765	5.8047	-0.0811	-2.0384	3.6852
602	94.6	92.9	1.1573	2.4096	0.0059	3.5727	5.738	-0.0783	-2.0378	3.6219
603	91.6	91.7	1.1519	2.413	0.006	3.5709	5.6697	-0.0789	-2.0413	3.5495
604	91.8	90.6	1.1445	2.4173	0.006	3.5678	5.6142	-0.0812	-2.0412	3.4918
605	91.6	89.3	1.1431	2.4164	0.0065	3.5661	5.5336	-0.0795	-2.0429	3.4112
606	88.4	87.9	1.1395	2.4161	0.0064	3.5621	5.4614	-0.0807	-2.0456	3.335
607	87.3	86.4	1.1368	2.416	0.0063	3.5591	5.4107	-0.0832	-2.0468	3.2807
608	84.5	85.2	1.1344	2.4161	0.0062	3.5567	5.5776	-0.1488	-2.2099	3.2189
609	82.7	83.9	1.1325	2.4159	0.0061	3.5545	7.4797	-0.7977	-3.7647	2.9174
610	82	82.4	1.1302	2.4164	0.0061	3.5526	8.4217	-0.4871	-4.2596	3.675
611	79.8	81	1.1261	2.4186	0.006	3.5507	8.5274	-0.365	-4.381	3.7814
612	78.7	79.6	1.1219	2.42	0.006	3.5479	8.4374	-0.3031	-4.4201	3.7142
613	79.2	78.3	1.1231	2.4165	0.0061	3.5457	8.3622	-0.2717	-4.4415	3.649
614	76.5	76.9	1.1229	2.4149	0.0059	3.5437	8.2814	-0.2592	-4.4478	3.5743
615	74.2	75.4	1.1216	2.4147	0.0057	3.542	8.2157	-0.2286	-4.4557	3.5315
616	71	73.9	1.1182	2.4166	0.0055	3.5402	8.1194	-0.2057	-4.4431	3.4706
617	72.6	72.4	1.1115	2.4201	0.0055	3.5371	8.0411	-0.2043	-4.4174	3.4194
618	71.5	71	1.1099	2.4202	0.0054	3.5355	7.9617	-0.1959	-4.4	3.3658
619	70.4	69.8	1.1091	2.42	0.0056	3.5347	7.8859	-0.2036	-4.3687	3.3136
620	70.1	68.4	1.1075	2.4201	0.0058	3.5334	7.8397	-0.1862	-4.3736	3.2799

621	68.1	67	1.1084	2.4177	0.0056	3.5317	7.755	-0.1788	-4.3462	3.2301
622	67.3	65.7	1.1087	2.416	0.0054	3.5301	7.6502	-0.1809	-4.2975	3.1718
623	65.4	64.3	1.1095	2.414	0.0061	3.5296	7.5706	-0.1826	-4.2642	3.1237
624	62.2	63	1.1083	2.4128	0.0054	3.5265	7.5155	-0.1864	-4.248	3.0811
625	60	61.8	0.8832	2.432	0.1973	3.5125	7.5092	-0.2018	-4.2572	3.0501
626	59	60.7	0.85	2.4291	0.2151	3.4942	7.4839	-0.2069	-4.2755	3.0016
627	59.3	59.3	0.85	2.4282	0.2119	3.4901	7.4666	-0.231	-4.2752	2.9604
628	58.2	58	0.8482	2.4299	0.2126	3.4908	7.4262	-0.2335	-4.2713	2.9214
629	55.5	56.6	0.8476	2.4313	0.2125	3.4914	7.3741	-0.2415	-4.2668	2.8658
630	54.1	55.2	0.8477	2.4324	0.212	3.4921	7.326	-0.2421	-4.271	2.8129
631	54	53.8	0.8476	2.4335	0.2115	3.4926	7.2941	-0.2449	-4.2796	2.7696
632	53	52.5	0.8471	2.4341	0.2111	3.4923	7.2719	-0.2499	-4.2875	2.7345
633	51.8	51.2	0.8454	2.4344	0.2114	3.4913	7.2541	-0.253	-4.3023	2.6987
634	51.5	50.1	0.8433	2.4343	0.2118	3.4894	7.2271	-0.2537	-4.321	2.6525
635	48.8	49.1	0.8422	2.4344	0.2121	3.4887	7.1556	-0.2563	-4.3035	2.5959
636	47.2	48.1	0.842	2.4341	0.2126	3.4887	7.1577	-0.2956	-4.3233	2.5387
637	45.8	47	0.8421	2.4336	0.2128	3.4885	7.111	-0.2868	-4.3081	2.516
638	44.8	46	0.8415	2.4331	0.2128	3.4874	7.0572	-0.2773	-4.3039	2.476
639	43.3	45.1	0.8403	2.4327	0.2129	3.4859	6.9912	-0.2764	-4.2844	2.4304
640	41.4	44.3	0.8391	2.4324	0.2131	3.4847	6.9228	-0.275	-4.257	2.3908
641	41.6	43.6	0.8376	2.4329	0.2133	3.4837	6.8872	-0.2565	-4.2782	2.3525
642	41.6	42.8	0.8365	2.4326	0.213	3.4821	6.8783	-0.2561	-4.2962	2.326
643	40.3	42.1	0.8365	2.4327	0.2126	3.4818	6.825	-0.2523	-4.2796	2.2932
644	41.4	41.4	0.836	2.4325	0.2126	3.4812	6.7943	-0.254	-4.2727	2.2676
645	39.7	40.7	0.8363	2.432	0.2117	3.48	6.7752	-0.2699	-4.2658	2.2395
646	39.1	40	0.8363	2.4321	0.211	3.4794	6.7797	-0.306	-4.2798	2.1939
647	39.2	39.5	0.836	2.4325	0.2108	3.4793	6.7568	-0.3307	-4.2816	2.1444
648	38.8	38.9	0.8353	2.433	0.211	3.4793	6.7508	-0.3537	-4.2725	2.1246
649	38.7	38.4	0.8344	2.4335	0.2115	3.4793	6.7372	-0.3627	-4.2679	2.1066
650	39.4	38	0.8342	2.4333	0.2107	3.4783	6.7129	-0.3616	-4.2669	2.0844
651	38.8	37.6	0.8343	2.4334	0.2103	3.478	6.7057	-0.3711	-4.2776	2.0571
652	38.5	37.1	0.8346	2.4336	0.2105	3.4787	6.6879	-0.3733	-4.2847	2.03
653	37.6	36.6	0.8339	2.4337	0.2103	3.4778	6.6779	-0.3532	-4.3277	1.997
654	35.7	36	0.8338	2.4337	0.2103	3.4778	6.6343	-0.3232	-4.3315	1.9797
655	35.1	35.4	0.8333	2.4339	0.2106	3.4779	6.674	-0.2821	-4.4222	1.9697
656	35.2	34.9	0.8322	2.4341	0.2109	3.4772	6.6368	-0.4342	-4.2577	1.9448
657	34.2	34.4	0.81	2.4406	0.2271	3.4777	6.5019	-0.5619	-4.0515	1.8886

658	34.2	33.8	0.6135	2.5053	0.3824	3.5012	6.4413	-0.5436	-4.0318	1.8659
659	33.7	33.2	0.5122	2.474	0.432	3.4182	6.4084	-0.5182	-4.0343	1.8559
660	32.6	32.6	0.4954	2.4618	0.4442	3.4014	6.4259	-0.5047	-4.0696	1.8516
661	32.2	32	0.4977	2.4555	0.448	3.4012	6.4064	-0.483	-4.0809	1.8424
662	31.3	31.3	0.499	2.4523	0.4502	3.4015	6.3492	-0.4485	-4.0617	1.839
663	29.7	30.7	0.4992	2.4507	0.4513	3.4012	6.3053	-0.4191	-4.0715	1.8146
664	29.2	30.1	0.5	2.4474	0.4522	3.3996	6.3027	-0.4546	-4.0433	1.8048
665	30.2	29.6	0.5034	2.4451	0.451	3.3995	6.2891	-0.4888	-4.0169	1.7834
666	28.3	29.1	0.5056	2.4449	0.4484	3.3989	6.2687	-0.5097	-3.9942	1.7649
667	27.4	28.6	0.5075	2.4441	0.4467	3.3983	6.2238	-0.5061	-3.9536	1.7641
668	28.6	28.1	0.5086	2.445	0.4434	3.397	6.1614	-0.4989	-3.9241	1.7384
669	27.3	27.6	0.5071	2.4434	0.4438	3.3943	6.1743	-0.5234	-3.9384	1.7125
670	26.6	27.2	0.5093	2.4426	0.4412	3.3931	6.1954	-0.5549	-3.9256	1.7149
671	26.3	26.7	0.5133	2.4424	0.4364	3.392	6.1933	-0.5671	-3.921	1.7052
672	25.6	26.3	0.5162	2.4422	0.4324	3.3908	6.2218	-0.5933	-3.9274	1.7011
673	24.8	25.9	0.5162	2.4428	0.4307	3.3897	6.2533	-0.6087	-3.9412	1.7033
674	25.2	25.5	0.5117	2.4444	0.4316	3.3877	6.2827	-0.6254	-3.9496	1.7078
675	25.1	25.2	0.5087	2.445	0.4333	3.387	6.2799	-0.6414	-3.9525	1.686
676	25.4	24.8	0.5053	2.4475	0.4334	3.3862	4.0267	-0.4457	-2.0117	1.5693
677	24.8	24.5	0.5044	2.4475	0.4329	3.3848	3.6913	-0.4621	-1.8313	1.3978
678	24.4	24.2	0.5039	2.4479	0.4322	3.384	3.7205	-0.4715	-1.8811	1.368
679	23.7	23.9	0.5029	2.4474	0.4327	3.383	3.727	-0.4519	-1.8847	1.3904
680	23.5	23.7	0.5017	2.4471	0.4335	3.3823	3.7246	-0.4417	-1.8743	1.4085
681	23.1	23.5	0.4999	2.4475	0.4344	3.3817	3.7207	-0.4274	-1.8702	1.4231
682	22.1	23.4	0.497	2.4479	0.4358	3.3807	3.7147	-0.4152	-1.863	1.4366
683	22.7	23.2	0.4944	2.448	0.4375	3.3799	3.703	-0.4292	-1.8298	1.4439
684	22.8	23	0.4958	2.4486	0.4357	3.38	3.6815	-0.4578	-1.7821	1.4416
685	22.3	22.9	0.4907	2.4527	0.4377	3.3812	3.6528	-0.5161	-1.7237	1.4129
686	21.9	22.7	0.4914	2.4519	0.4362	3.3795	3.6586	-0.5111	-1.7335	1.414
687	21.2	22.6	0.4922	2.4508	0.436	3.3791	3.6938	-0.529	-1.7426	1.4221
688	21.6	22.5	0.4936	2.4508	0.4342	3.3787	3.6947	-0.5437	-1.734	1.4171
689	23.2	22.5	0.4956	2.4508	0.4312	3.3776	3.6722	-0.5425	-1.7195	1.4102
690	23	22.4	0.4955	2.4489	0.4331	3.3775	3.6526	-0.5426	-1.7045	1.4055
691	23	22.4	0.4928	2.4488	0.4349	3.3765	3.6359	-0.5491	-1.679	1.4078
692	21.8	22.3	0.494	2.4485	0.4333	3.3758	3.603	-0.5406	-1.6399	1.4224
693	22.1	22.3	0.4936	2.4486	0.4326	3.3748	3.5734	-0.5442	-1.6403	1.3888
694	22.2	22.2	0.4933	2.4492	0.4324	3.3749	3.6027	-0.5479	-1.6696	1.3853

695	22.8	22.2	0.4921	2.4497	0.4336	3.3754	3.6302	-0.5539	-1.6804	1.3958
696	22.7	22.1	0.4912	2.4501	0.4342	3.3755	3.6426	-0.5605	-1.6884	1.3937
697	22.5	22.1	0.4913	2.4503	0.4335	3.3752	3.647	-0.5701	-1.6725	1.4044
698	23	22.1	0.492	2.4497	0.433	3.3747	3.6177	-0.569	-1.6256	1.4232
699	22.5	22	0.4934	2.4477	0.4328	3.374	3.9729	-0.2591	-2.4781	1.2357
700	21.9	21.9	0.4936	2.4466	0.4339	3.374	4.3025	-0.0255	-3.086	1.191
701	21.4	21.9	0.4934	2.4457	0.4345	3.3735	4.2841	-0.1148	-2.7869	1.3823
702	21.3	21.9	0.4895	2.4449	0.4386	3.373	4.3407	-0.119	-2.8506	1.3711
703	22.1	21.9	0.4884	2.4453	0.4392	3.3729	4.3912	-0.1169	-2.8966	1.3778
704	21	21.9	0.4771	2.4455	0.4482	3.3708	4.3793	-0.1052	-2.9056	1.3685
705	20.9	21.9	0.4794	2.4598	0.4323	3.3716	4.3247	-0.0744	-2.8888	1.3614
706	21.1	21.9	0.4893	2.4723	0.4116	3.3732	4.2733	-0.0683	-2.8458	1.3592
707	20.9	21.9	0.4926	2.4704	0.4095	3.3725	4.2455	-0.0592	-2.8204	1.3659
708	22.2	21.9	0.4936	2.4679	0.4096	3.3711	3.9816	0.0153	-2.6166	1.3803
709	21.8	21.9	0.4899	2.4664	0.4131	3.3694	1.9819	0.6722	-1.0306	1.6235
710	21.4	22	0.4895	2.4647	0.4142	3.3683	0.9774	0.3561	-0.5322	0.8014
711	21.8	22	0.4912	2.4634	0.4122	3.3668	0.822	0.2176	-0.4083	0.6314
712	22.4	22.1	0.4914	2.4619	0.4132	3.3664	0.8415	0.1533	-0.3661	0.6288
713	22.5	22.1	0.4928	2.462	0.4104	3.3652	0.8798	0.1174	-0.3505	0.6468
714	22.4	22.2	0.494	2.4637	0.4076	3.3653	0.8735	0.096	-0.3398	0.6297
715	22.5	22.3	0.4947	2.4657	0.4051	3.3656	0.8805	0.0703	-0.3371	0.6138
716	22.8	22.5	0.4958	2.4672	0.4008	3.3638	0.9075	0.0417	-0.3361	0.6131
717	23.1	22.5	0.4954	2.47	0.3979	3.3632	0.9256	0.0331	-0.3501	0.6086
718	23.4	22.5	0.4924	2.4725	0.3993	3.3642	0.9466	0.0124	-0.3653	0.5937
719	23	22.5	0.4896	2.4755	0.3982	3.3632	0.958	0.0096	-0.3977	0.5699
720	22.1	22.6	0.4882	2.4768	0.3979	3.3629	0.947	-0.0009	-0.4038	0.5422
721	22.5	22.7	0.4862	2.477	0.3983	3.3616	1.014	0.0249	-0.5251	0.5138
722	23	22.7	0.4834	2.4769	0.3995	3.3598	1.0322	-0.0207	-0.4678	0.5436
723	22.6	22.7	0.4812	2.4765	0.4011	3.3588	1.0614	-0.0329	-0.495	0.5334
724	23.1	22.7	0.4803	2.477	0.4006	3.3579	1.0671	-0.0242	-0.5163	0.5266
725	23.3	22.8	0.4805	2.4766	0.3985	3.3556	1.0251	-0.0079	-0.5074	0.5098
726	22.1	22.7	0.4809	2.4753	0.3982	3.3544	1.0016	0.0041	-0.4934	0.5123
727	21.8	22.7	0.478	2.4754	0.4	3.3533	0.968	0.034	-0.4865	0.5155
728	22.5	22.6	0.4756	2.4751	0.401	3.3517	0.9576	0.0345	-0.4858	0.5062
729	23	22.6	0.4751	2.4755	0.3999	3.3505	0.9606	0.0384	-0.4992	0.4998
730	23.1	22.7	0.4756	2.4751	0.399	3.3498	0.9499	0.0417	-0.4935	0.4982
731	23	22.7	0.4762	2.475	0.3978	3.349	0.9546	0.0366	-0.4992	0.492

732	22.7	22.8	0.4768	2.477	0.3941	3.3479	0.9698	0.0392	-0.5204	0.4887
733	22.4	22.8	0.4773	2.4802	0.3897	3.3471	0.9598	0.0193	-0.5064	0.4727
734	23.1	22.9	0.478	2.4859	0.3842	3.3481	0.9426	0.0082	-0.4844	0.4663
735	22.4	22.9	0.4763	2.4855	0.3855	3.3473	0.9562	0.0126	-0.4946	0.4742
736	22	23	0.4726	2.487	0.3868	3.3465	0.8995	0.0545	-0.4593	0.4947
737	22.4	23.2	0.4726	2.4879	0.3862	3.3468	0.9	0.044	-0.4567	0.4874
738	22.7	23.3	0.4742	2.4874	0.3848	3.3464	0.895	0.0313	-0.4399	0.4864
739	23	23.4	0.475	2.4869	0.3834	3.3453	0.8771	0.0376	-0.4318	0.4829
740	23.6	23.6	0.4755	2.4874	0.3811	3.3439	0.8954	0.0327	-0.4529	0.4751
741	23.8	23.7	0.4773	2.4869	0.3772	3.3415	0.8849	0.0137	-0.4134	0.4852
742	23.2	23.8	0.4792	2.487	0.377	3.3432	0.8459	0.0385	-0.3973	0.487
743	24.3	24	0.4762	2.4875	0.3796	3.3433	0.8521	0.0612	-0.4262	0.487
744	24.5	24.1	0.473	2.4879	0.3806	3.3416	0.849	0.0678	-0.4342	0.4827
745	24.2	24.3	0.472	2.4881	0.3805	3.3406	0.8569	0.0628	-0.4313	0.4884
746	24.6	24.5	0.4716	2.4891	0.3783	3.339	0.8561	0.0569	-0.4126	0.5004
747	25	24.7	0.4742	2.4894	0.3733	3.3369	0.849	0.0536	-0.39	0.5126
748	25.3	24.9	0.438	2.4589	0.4588	3.3557	0.8475	0.0449	-0.381	0.5114
749	25.4	25.1	0.4041	2.436	0.5201	3.3602	0.8485	0.0518	-0.3741	0.5262
750	24.8	25.2	0.4058	2.4448	0.4894	3.34	0.8573	0.0316	-0.3671	0.5218
751	24.7	25.3	0.4002	2.4453	0.4954	3.3409	0.8579	0.0168	-0.3509	0.5238
752	26.4	25.5	0.3955	2.4453	0.5001	3.3409	0.8666	0.021	-0.3642	0.5234
753	25.2	25.6	0.396	2.4442	0.5008	3.341	0.8344	0.0106	-0.3186	0.5265
754	26.1	25.7	0.4013	2.4411	0.4992	3.3417	0.8409	0.018	-0.3277	0.5312
755	26.4	25.9	0.406	2.4407	0.4952	3.3419	0.7443	0.0237	-0.2506	0.5174
756	26.2	26	0.4077	2.44	0.4929	3.3406	0.7651	0.159	-0.3881	0.536
757	26.4	26	0.4118	2.4391	0.4888	3.3396	0.8642	0.2905	-0.5939	0.5609
758	26.3	26.1	0.4153	2.438	0.4855	3.3388	0.91	0.2721	-0.6206	0.5615
759	26.1	26.1	0.4145	2.4384	0.4852	3.3381	0.9605	0.2475	-0.6469	0.5611
760	26.5	26.2	0.4132	2.44	0.485	3.3382	0.9029	0.2254	-0.588	0.5403
761	25.8	26.3	0.4135	2.4402	0.4846	3.3383	0.8845	0.2032	-0.5656	0.5222
762	27.1	26.3	0.411	2.4405	0.4852	3.3368	0.9008	0.1936	-0.5758	0.5185
763	26.3	26.3	0.4118	2.4411	0.4853	3.3382	0.8966	0.1865	-0.5658	0.5173
764	26.7	26.4	0.4119	2.4404	0.486	3.3382	0.9154	0.196	-0.6036	0.5078
765	27	26.4	0.4127	2.4409	0.4846	3.3382	0.922	0.2134	-0.6326	0.5028
766	25.8	26.5	0.413	2.4416	0.4835	3.338	0.9192	0.2344	-0.6564	0.4972
767	25.9	26.6	0.4129	2.4428	0.4832	3.3389	0.9295	0.2568	-0.7078	0.4785
768	27	26.6	0.4128	2.4441	0.4832	3.34	0.9331	0.2818	-0.7438	0.4711

769	26.3	26.7	0.4124	2.4435	0.4842	3.34	0.9253	0.323	-0.764	0.4843
770	25.2	26.7	0.4079	2.4401	0.4937	3.3417	0.9128	0.3869	-0.8233	0.4764
771	26.9	26.9	0.4101	2.4444	0.4832	3.3376	0.9035	0.3965	-0.8227	0.4774
772	26.4	26.9	0.4101	2.4455	0.4819	3.3374	0.8871	0.4049	-0.82	0.4721
773	26.8	27	0.4095	2.4452	0.4823	3.3371	0.8586	0.4148	-0.8195	0.4538
774	27.1	27.1	0.4092	2.4452	0.4824	3.3367	0.8346	0.3918	-0.7777	0.4486
775	27.5	27.1	0.4085	2.4446	0.4826	3.3358	0.8242	0.3638	-0.7396	0.4485
776	27.7	27.2	0.4085	2.4441	0.482	3.3347	0.8209	0.3368	-0.7304	0.4273
777	27.4	27.3	0.4086	2.4441	0.4815	3.3341	0.8082	0.3052	-0.7108	0.4027
778	27.3	27.3	0.4079	2.444	0.4821	3.334	0.7695	0.2972	-0.672	0.3947
779	27.7	27.3	0.408	2.4432	0.482	3.3332	0.7419	0.2824	-0.6368	0.3875
780	28.3	27.4	0.4062	2.4435	0.4834	3.3331	0.7231	0.2918	-0.6316	0.3834
781	28.6	27.4	0.4029	2.4436	0.4864	3.3328	0.7175	0.2785	-0.6216	0.3744
782	27.6	27.4	0.401	2.446	0.4865	3.3335	0.7229	0.2729	-0.6316	0.3642
783	27.5	27.4	0.4002	2.4472	0.4859	3.3333	0.7324	0.2966	-0.67	0.3591
784	27.5	27.4	0.4001	2.4474	0.4851	3.3326	0.7379	0.3342	-0.7088	0.3632
785	27.3	27.4	0.4007	2.4473	0.4837	3.3317	0.7463	0.3977	-0.7621	0.3819
786	27.6	27.4	0.4014	2.4475	0.4819	3.3308	0.7322	0.3965	-0.7473	0.3815
787	27.6	27.3	0.4027	2.4477	0.48	3.3305	0.6952	0.4171	-0.7268	0.3855
788	27.4	27.3	0.4059	2.4471	0.4774	3.3304	0.6936	0.4265	-0.7343	0.3858
789	26.8	27.2	0.4061	2.4476	0.4765	3.3301	0.7034	0.4251	-0.7332	0.3953
790	27.5	27	0.407	2.4475	0.4745	3.329	0.7077	0.4177	-0.7417	0.3836
791	26.2	26.9	0.4082	2.4449	0.4747	3.3278	0.7114	0.4223	-0.7611	0.3727
792	26.7	26.9	0.4088	2.4424	0.4759	3.3271	0.723	0.4224	-0.7942	0.3512
793	27	26.8	0.4086	2.4418	0.476	3.3265	0.7329	0.4252	-0.7873	0.3708
794	26.8	26.7	0.4076	2.4429	0.4755	3.3261	0.6998	0.4276	-0.7469	0.3805
795	27.1	26.6	0.4065	2.444	0.4749	3.3254	0.6653	0.4312	-0.7276	0.3688
796	27	26.5	0.4063	2.4447	0.4732	3.3242	0.6494	0.4318	-0.7221	0.3591
797	27.1	26.4	0.4066	2.4458	0.4716	3.324	0.6453	0.4428	-0.7371	0.351
798	24.9	26.3	0.4071	2.4445	0.4704	3.3221	0.7045	0.4426	-0.8011	0.346
799	25.8	26.3	0.4077	2.4446	0.4695	3.3218	0.3622	0.1346	0.0473	0.5441
800	26.6	26.2	0.4078	2.4449	0.4689	3.3216	0.0324	-0.0917	0.6529	0.5936
801	26.2	26.2	0.4067	2.4436	0.4709	3.3211	0.0558	-0.0023	0.344	0.3974
802	25.8	26.2	0.4061	2.4438	0.4705	3.3204	0.0098	0.0066	0.3982	0.4147
803	26	26.1	0.4044	2.4435	0.4719	3.3198	-0.0318	0.0162	0.4358	0.4202
804	25.8	26.1	0.4027	2.4431	0.4733	3.3191	-0.0428	0.0013	0.4629	0.4214
805	25.3	26	0.4029	2.4439	0.4711	3.318	0.0133	-0.0307	0.457	0.4397

806	25.6	26	0.4029	2.4433	0.471	3.3171	0.062	-0.0223	0.416	0.4557
807	25.9	26	0.4016	2.4432	0.4716	3.3164	0.0785	-0.0303	0.3923	0.4406
808	26	26.1	0.3975	2.4432	0.4743	3.315	0.1279	-0.0365	0.3468	0.4381
809	26	26.1	0.3996	2.4438	0.4719	3.3153	0.1579	-0.0538	0.3257	0.4297
810	26.6	26.1	0.4011	2.4443	0.4707	3.3161	0.1432	-0.0535	0.3296	0.4193
811	25.5	26.1	0.4011	2.4441	0.4698	3.3149	0.1294	-0.033	0.3206	0.417
812	26.1	26.2	0.4017	2.4433	0.4697	3.3147	0.1351	-0.0184	0.2996	0.4163
813	26.3	26.3	0.4013	2.4424	0.4708	3.3145	0.1122	-0.0053	0.2922	0.3991
814	26.3	26.3	0.4018	2.4424	0.4709	3.315	0.1195	-0.0191	0.3002	0.4006
815	26.3	26.3	0.4028	2.4422	0.4708	3.3158	0.12	-0.016	0.3084	0.4124
816	26.5	26.3	0.4029	2.4415	0.4716	3.316	0.127	-0.0157	0.3107	0.422
817	26.8	26.3	0.402	2.4418	0.4722	3.3161	0.1279	-0.0193	0.3205	0.4291
818	26.2	26.3	0.3999	2.4402	0.4757	3.3158	0.1251	-0.0376	0.3534	0.4409
819	26.5	26.3	0.3983	2.4368	0.4805	3.3156	0.1188	-0.0413	0.3817	0.4592
820	26.7	26.3	0.3979	2.4371	0.4802	3.3152	0.1113	-0.0435	0.4003	0.468
821	27.7	26.2	0.3975	2.4366	0.4803	3.3144	0.0614	-0.0778	0.5066	0.4902
822	27.2	26.1	0.3975	2.4354	0.4815	3.3144	0.0698	-0.0377	0.4269	0.4589
823	26.3	26.1	0.3978	2.4374	0.4788	3.314	0.0804	-0.0286	0.4126	0.4644
824	25.9	26.1	0.3979	2.4406	0.4746	3.3131	0.0803	-0.0191	0.3996	0.4607
825	25.8	26.1	0.3984	2.4429	0.4715	3.3129	0.0866	-0.006	0.3791	0.4597
826	25.3	26.1	0.4	2.4448	0.4693	3.3142	0.0898	-0.0269	0.3959	0.4588
827	25.5	26.1	0.401	2.4456	0.4672	3.3139	0.0882	-0.0356	0.4033	0.4559
828	25.7	26	0.4014	2.4469	0.4647	3.313	0.0887	-0.04	0.4076	0.4563
829	26.3	26	0.4028	2.4463	0.4631	3.3122	0.0821	-0.0379	0.4165	0.4606
830	24.9	25.9	0.4039	2.4473	0.4612	3.3123	0.0807	-0.0379	0.4162	0.4589
831	24.6	25.8	0.4039	2.4477	0.461	3.3126	0.0632	-0.0331	0.4329	0.4631
832	25.3	25.8	0.4036	2.4474	0.4611	3.312	0.041	-0.0349	0.4551	0.4612
833	26	25.7	0.4035	2.4468	0.4605	3.3108	0.0331	-0.0094	0.4497	0.4735
834	26.8	25.7	0.4034	2.4461	0.4604	3.3099	0.0231	0.0076	0.4494	0.4801
835	25.8	25.6	0.4031	2.4458	0.4602	3.3092	0.0189	-0.0023	0.4684	0.485
836	27.1	25.6	0.4031	2.4453	0.4595	3.3079	0.0207	-0.0024	0.4664	0.4847
837	25.1	25.6	0.4033	2.4453	0.4596	3.3082	0.0261	0.006	0.4493	0.4814
838	25.9	25.6	0.4039	2.4448	0.4581	3.3068	0.0377	0.0145	0.4316	0.4837
839	25.6	25.6	0.4042	2.4452	0.4575	3.3069	0.0685	0.0135	0.4028	0.4848
840	25.9	25.6	0.4044	2.4451	0.4572	3.3066	0.0692	0.0205	0.388	0.4777
841	25.9	25.6	0.405	2.4447	0.4567	3.3063	0.0706	0.0198	0.3759	0.4662
842	25.6	25.6	0.4059	2.4445	0.4557	3.3061	0.1098	-0.002	0.354	0.4618

843	25.6	25.6	0.4062	2.4447	0.4543	3.3052	0.1176	-0.0373	0.3772	0.4575
844	24.3	25.5	0.4065	2.4448	0.4534	3.3047	0.123	-0.0489	0.3892	0.4634
845	24.7	25.5	0.4071	2.4449	0.4527	3.3047	0.1219	-0.0456	0.4002	0.4765
846	25.8	25.3	0.4071	2.4448	0.452	3.3039	0.1249	-0.0387	0.4006	0.4868
847	26	25.3	0.4037	2.4452	0.4534	3.3023	0.1362	-0.0289	0.376	0.4833
848	25.2	25.3	0.4017	2.4455	0.4541	3.3013	0.1426	-0.0106	0.35	0.4821
849	24.9	25.3	0.4009	2.4452	0.4548	3.3008	0.1486	-0.0211	0.3445	0.472
850	25	25.2	0.4002	2.445	0.455	3.3003	0.1583	-0.0164	0.3427	0.4846
851	25.2	25.2	0.3992	2.4446	0.4556	3.2994	0.149	-0.004	0.3654	0.5104
852	25.4	25.2	0.3987	2.4436	0.4566	3.2989	0.1165	-0.0397	0.4188	0.4956
853	25.3	25.1	0.4002	2.4441	0.4546	3.2989	0.1128	-0.0415	0.4228	0.4942
854	25.5	25.2	0.4	2.4442	0.4535	3.2977	0.0944	-0.0362	0.4375	0.4957
855	24.3	25.2	0.3998	2.443	0.4536	3.2964	0.0796	-0.032	0.4485	0.4961
856	25.6	25.2	0.3998	2.4431	0.4537	3.2966	0.092	-0.0147	0.4105	0.4878
857	25	25.1	0.399	2.4427	0.4541	3.2958	0.107	-0.0295	0.399	0.4766
858	24.8	25.1	0.3996	2.4434	0.4529	3.2959	0.1087	-0.0577	0.4185	0.4695
859	25.1	25.2	0.4002	2.4437	0.4522	3.2962	0.0748	-0.0626	0.455	0.4673
860	25.4	25.2	0.4003	2.4433	0.4529	3.2965	0.0981	-0.0577	0.4351	0.4755
861	25.3	25.3	0.4	2.442	0.4547	3.2967	0.1211	-0.0506	0.4165	0.487
862	25	25.3	0.3998	2.4411	0.456	3.2969	0.1182	-0.0297	0.3923	0.4808
863	24.8	25.3	0.3999	2.443	0.4553	3.2982	0.121	-0.0229	0.3852	0.4833
864	25.5	25.2	0.3999	2.442	0.4551	3.297	0.1121	-0.0234	0.3895	0.4782
865	25.1	25.3	0.4	2.4425	0.4535	3.296	0.118	-0.0229	0.4362	0.5313
866	24.9	25.3	0.4002	2.4435	0.4514	3.2951	0.1321	-0.0303	0.5181	0.6198
867	25.5	25.3	0.4004	2.4466	0.4479	3.2948	0.1213	-0.0438	0.5598	0.6373
868	25.6	25.3	0.4009	2.4482	0.445	3.2941	0.0826	-0.0491	0.5839	0.6174
869	25.6	25.3	0.4012	2.4479	0.4441	3.2932	0.0648	-0.079	0.6271	0.613
870	26.3	25.3	0.4018	2.4479	0.443	3.2927	0.035	-0.1002	0.6829	0.6176
871	26	25.4	0.4031	2.4482	0.4405	3.2918	0.0282	-0.0811	0.6809	0.628
872	25.1	25.4	0.402	2.4483	0.4407	3.291	0.0283	-0.0791	0.676	0.6252
873	24.8	25.4	0.4015	2.4472	0.4424	3.291	0.03	-0.0892	0.6952	0.636
874	24.6	25.5	0.4005	2.4458	0.4445	3.2907	0.0273	-0.0705	0.6868	0.6436
875	25.5	25.5	0.3995	2.4473	0.4431	3.2899	0.0211	-0.0384	0.6477	0.6304
876	25.2	25.5	0.3997	2.4477	0.4417	3.2891	0.0338	0.0054	0.5951	0.6344
877	25.3	25.6	0.3997	2.4481	0.4407	3.2885	0.0647	0.0251	0.5578	0.6476
878	25.5	25.6	0.3996	2.4478	0.4405	3.288	0.0813	0.0453	0.5286	0.6552
879	25.7	25.7	0.3999	2.447	0.4404	3.2873	0.0815	0.0338	0.5434	0.6588

880	25.9	25.7	0.3999	2.4468	0.4401	3.2868	0.0906	0.0018	0.572	0.6644
881	25	25.6	0.3988	2.4471	0.4409	3.2867	0.1029	0.0057	0.5687	0.6773
882	25.9	25.6	0.3977	2.4469	0.4415	3.2861	0.1125	0.0066	0.5647	0.6837
883	26.2	25.6	0.3979	2.4464	0.441	3.2853	0.1123	-0.0025	0.5695	0.6794
884	25.9	25.7	0.3983	2.4476	0.4383	3.2841	0.1083	-0.0084	0.5764	0.6762
885	25.6	25.7	0.3986	2.4475	0.437	3.2832	0.0901	-0.008	0.5848	0.6668
886	26.3	25.7	0.3988	2.4469	0.437	3.2826	0.0809	-0.0103	0.5845	0.6551
887	26.6	25.7	0.399	2.4463	0.4369	3.2821	0.08	0.001	0.5688	0.6499
888	26.3	25.7	0.3991	2.4457	0.4371	3.2819	0.0828	0.0163	0.562	0.6611
889	26.2	25.6	0.3992	2.4455	0.4376	3.2823	0.0908	0.0202	0.5407	0.6517
890	24.5	25.5	0.4	2.4455	0.4369	3.2824	0.0968	0.0314	0.5271	0.6553
891	24.8	25.5	0.3972	2.4451	0.4393	3.2816	0.1021	0.0298	0.5206	0.6525
892	25.7	25.4	0.397	2.4461	0.4382	3.2813	0.1051	0.0228	0.5235	0.6513
893	26.4	25.3	0.3963	2.4467	0.4371	3.2802	0.1086	0.0329	0.5128	0.6543
894	26	25.3	0.3955	2.4475	0.4355	3.2784	0.101	0.04	0.5096	0.6506
895	25	25.2	0.394	2.4479	0.4348	3.2767	0.0959	0.0404	0.5061	0.6424
896	24.7	25.1	0.3927	2.4476	0.4356	3.2759	0.1	0.0327	0.5058	0.6385
897	24.8	25	0.3923	2.4469	0.4366	3.2758	0.0996	0.0222	0.5116	0.6334
898	24.3	24.9	0.3923	2.4466	0.436	3.2749	0.0635	0.0022	0.5584	0.6242
899	24.5	24.8	0.3919	2.4462	0.4353	3.2734	0.0366	-0.0556	0.6361	0.617
900	24.2	24.8	0.3929	2.4453	0.4324	3.2706	0.0227	-0.0504	0.646	0.6184
901	24.5	24.8	0.395	2.4475	0.429	3.2716	0.024	-0.0389	0.6329	0.6181
902	25.1	24.8	0.3948	2.448	0.4282	3.271	0.0056	-0.0427	0.6544	0.6174
903	24.7	24.7	0.3949	2.4471	0.4282	3.2702	-0.0003	-0.0574	0.6769	0.6191
904	24.5	24.6	0.3947	2.4463	0.4284	3.2695	0.0184	-0.0526	0.6625	0.6283
905	24.3	24.6	0.3937	2.4454	0.4301	3.2692	0.0149	-0.0432	0.6565	0.6283
906	24.4	24.6	0.3922	2.4462	0.4311	3.2695	0.011	-0.0512	0.6616	0.6214
907	24.9	24.6	0.3908	2.449	0.4297	3.2694	0.017	-0.0564	0.6601	0.6207
908	24.5	24.5	0.3901	2.4494	0.4288	3.2683	0.0074	-0.0627	0.6742	0.6188
909	24.3	24.5	0.3898	2.4496	0.4283	3.2678	0.0093	-0.0517	0.6622	0.6197
910	24.7	24.5	0.3889	2.4494	0.4291	3.2674	0.0188	-0.0463	0.6627	0.6352
911	25	24.4	0.3893	2.447	0.4305	3.2668	0.0211	-0.0578	0.6811	0.6443
912	24.7	24.4	0.3896	2.4455	0.4312	3.2664	0.0179	-0.077	0.7052	0.6461
913	24.4	24.4	0.3901	2.4447	0.4318	3.2666	0.0138	-0.0837	0.72	0.6501
914	24.4	24.3	0.39	2.4447	0.4272	3.2619	0.009	-0.0659	0.7284	0.6715
915	24.7	24.3	0.3896	2.4453	0.419	3.2539	0.0123	-0.0771	0.7872	0.7224
916	24.8	24.3	0.3907	2.4459	0.4156	3.2522	0.0058	-0.0603	0.9776	0.923

917	22.8	24.2	0.3938	2.4468	0.4139	3.2544	0.0081	-0.0599	0.9722	0.9204
918	24.3	24.2	0.3934	2.4481	0.413	3.2545	0.0088	-0.0285	0.9439	0.9242
919	23.7	24.2	0.3948	2.4468	0.4122	3.2538	0.0192	-0.0049	0.9072	0.9216
920	24	24.2	0.395	2.4452	0.4121	3.2524	0.0284	-0.0029	0.896	0.9215
921	24.3	24.2	0.3946	2.4445	0.4127	3.2519	0.04	0.0008	0.8863	0.9272
922	24.1	24.1	0.3945	2.4443	0.412	3.2508	0.0579	0.0065	0.8612	0.9256
923	23.8	24.1	0.395	2.4444	0.4101	3.2496	0.0444	0.0054	0.8692	0.919
924	23.9	24.1	0.3958	2.4444	0.4098	3.25	0.0407	-0.0124	0.8986	0.9268
925	24	24.1	0.395	2.4424	0.412	3.2494	0.0303	-0.0272	0.9257	0.9287
926	24	24	0.3936	2.4423	0.4135	3.2494	0.0197	-0.0125	0.9189	0.9261
927	23.9	24.1	0.3929	2.4411	0.4144	3.2484	0.0216	-0.0035	0.9044	0.9226
928	24.3	24.1	0.3932	2.4435	0.4104	3.2471	0.0179	0.0076	0.8912	0.9167
929	24.6	24.1	0.3938	2.4461	0.4059	3.2457	0.0091	0.0078	0.8898	0.9067
930	24.3	24.1	0.3936	2.4467	0.4043	3.2446	0.0076	-0.0004	0.8918	0.8989
931	24.1	24.1	0.3926	2.447	0.4045	3.2442	0.004	-0.0007	0.8966	0.8999
932	23.7	24.1	0.3923	2.4476	0.4041	3.244	-0.0647	-0.0161	1.0043	0.9235
933	24.5	24.1	0.3927	2.4476	0.4029	3.2432	-0.0887	-0.023	1.0249	0.9132
934	24.1	24.1	0.3944	2.4469	0.4019	3.2433	-0.0879	-0.0297	1.0182	0.9006
935	24.2	24.1	0.395	2.4469	0.4018	3.2437	-0.0793	-0.0289	0.9969	0.8886
936	23.9	24.1	0.3951	2.4452	0.4026	3.2429	-0.0672	-0.038	0.993	0.8878
937	24	24.1	0.395	2.4437	0.4034	3.2421	-0.0581	-0.0465	0.9984	0.8938
938	24.3	24.1	0.3948	2.4428	0.404	3.2417	-0.0505	-0.0533	1.001	0.8972
939	24.2	24.1	0.3946	2.442	0.4048	3.2414	-0.0408	-0.0607	1.0043	0.9028
940	23.9	24.1	0.3941	2.4421	0.4051	3.2414	-0.0319	-0.0717	1.0103	0.9067
941	24.4	24.1	0.3945	2.4424	0.4043	3.2412	-0.0153	-0.0699	0.9983	0.9131
942	23.6	24.2	0.395	2.4412	0.4045	3.2407	-0.0377	-0.0757	1.0244	0.911
943	24.1	24.1	0.3961	2.4407	0.4033	3.2402	-0.0325	-0.0654	1.0212	0.9234
944	24.4	24.1	0.3969	2.4408	0.4028	3.2405	-0.035	-0.0586	1.0177	0.924
945	23.7	24.1	0.3971	2.4416	0.4021	3.2408	-0.0408	-0.0491	1.0038	0.9139
946	23.2	24.1	0.3971	2.4426	0.4008	3.2406	-0.0514	-0.0419	0.9956	0.9023
947	23.7	24.1	0.3974	2.4449	0.3976	3.2399	-0.0664	-0.0433	1.0017	0.892
948	24.8	24	0.3981	2.4511	0.3905	3.2396	-0.0734	-0.057	1.0202	0.8898
949	24.8	23.9	0.3986	2.4502	0.3902	3.239	-0.0713	-0.0611	1.0069	0.8746
950	24.7	23.9	0.3978	2.4489	0.3917	3.2385	-0.0779	-0.0753	1.0033	0.8501
951	24.3	23.8	0.3987	2.4489	0.3901	3.2377	-0.0626	-0.072	0.9666	0.832
952	24.2	23.8	0.3987	2.4494	0.3889	3.237	-0.0382	-0.0516	0.93	0.8402
953	24	23.8	0.3984	2.4493	0.3883	3.236	-0.0404	-0.0509	0.9241	0.8328

954	23.6	23.7	0.3985	2.4485	0.3879	3.2349	-0.0407	-0.0629	0.9287	0.8251
955	23.4	23.7	0.3987	2.4481	0.3874	3.2342	-0.0416	-0.0784	0.9386	0.8186
956	23.8	23.8	0.3981	2.4487	0.3877	3.2345	-0.0443	-0.0935	0.9625	0.8248
957	22.7	23.8	0.3983	2.449	0.3867	3.2339	-0.0521	-0.0809	0.9709	0.8379
958	23.1	23.7	0.3986	2.4486	0.3867	3.2339	-0.068	-0.0586	0.964	0.8374
959	23	23.7	0.3983	2.4484	0.386	3.2327	-0.0724	-0.0561	0.9625	0.834
960	23.2	23.6	0.3982	2.4491	0.3848	3.2321	-0.0742	-0.0545	0.9611	0.8324
961	23.5	23.6	0.3982	2.4497	0.3841	3.232	-0.0844	-0.0532	0.9736	0.8361
962	23.2	23.6	0.3984	2.4494	0.384	3.2319	-0.0792	-0.0752	0.9967	0.8423
963	23.1	23.6	0.399	2.4496	0.3824	3.231	-0.0699	-0.0931	1.009	0.846
964	24	23.7	0.3987	2.4497	0.3764	3.2247	-0.064	-0.0989	1.0135	0.8506
965	24.4	23.7	0.3994	2.4485	0.3558	3.2037	-0.058	-0.1018	0.9718	0.812
966	23.7	23.8	0.3994	2.4495	0.3542	3.2031	-0.0588	-0.0897	0.8905	0.742
967	23.9	23.8	0.3995	2.4494	0.3535	3.2024	-0.0438	-0.0743	0.8609	0.7428
968	23.8	23.9	0.399	2.4487	0.3543	3.2019	-0.0098	-0.0635	0.8447	0.7714
969	23.6	23.9	0.3984	2.4481	0.3545	3.2011	-0.0096	-0.0573	0.8365	0.7695
970	23.7	24	0.3978	2.4478	0.3544	3.2	0.0089	-0.0781	0.8343	0.7651
971	24.3	24	0.3973	2.4475	0.3544	3.1992	0.0115	-0.0952	0.8377	0.754
972	24.8	24.1	0.3976	2.4478	0.3537	3.1991	0.011	-0.1119	0.8565	0.7555
973	24.8	24.1	0.3974	2.4484	0.3525	3.1983	0.0124	-0.1199	0.8598	0.7523
974	24.5	24.1	0.3975	2.4485	0.3519	3.1979	0.0173	-0.1199	0.847	0.7445
975	24	24.1	0.3976	2.4486	0.3512	3.1973	0.0233	-0.1205	0.8487	0.7515
976	24.2	24.1	0.3975	2.448	0.3513	3.1968	0.0123	-0.1434	0.8803	0.7492
977	24.2	24.1	0.3979	2.4473	0.3516	3.1968	-0.0123	-0.139	0.9053	0.754
978	23.9	24.1	0.3987	2.447	0.3515	3.1973	-0.0151	-0.1493	0.912	0.7476
979	24.6	24.1	0.3991	2.4471	0.3512	3.1974	-0.0172	-0.1155	0.8693	0.7367
980	24.1	24.2	0.3995	2.4469	0.3504	3.1968	-0.0183	-0.0809	0.8253	0.7261
981	23.7	24.1	0.4052	2.4487	0.3404	3.1944	-0.0239	-0.0718	0.8153	0.7196
982	23.8	24.1	0.4066	2.4492	0.339	3.1948	-0.0326	-0.0709	0.8238	0.7203
983	24.5	24	0.4067	2.4494	0.3392	3.1952	-0.0324	-0.0684	0.8285	0.7277
984	23.9	23.9	0.4062	2.4505	0.3386	3.1952	-0.0242	-0.0656	0.8146	0.7249
985	23.3	23.9	0.4054	2.4513	0.3377	3.1944	-0.0048	-0.0679	0.7968	0.724
986	23.8	23.9	0.4046	2.4515	0.3371	3.1933	0.0004	-0.0653	0.7917	0.7268
987	24.4	23.8	0.404	2.4516	0.3368	3.1924	-0.0003	-0.0827	0.8064	0.7235
988	24.2	23.8	0.4032	2.4518	0.3367	3.1916	-0.0037	-0.118	0.8309	0.7093
989	24	23.8	0.4024	2.4527	0.3366	3.1917	-0.0107	-0.1245	0.8489	0.7137
990	23.3	23.8	0.4015	2.4525	0.337	3.1911	-0.0164	-0.1312	0.8617	0.714

991	24.2	23.8	0.401	2.4527	0.3368	3.1905	-0.0208	-0.1294	0.8645	0.7143
992	23.5	23.8	0.4003	2.4527	0.336	3.189	-0.0154	-0.1227	0.8554	0.7172
993	23	23.7	0.3999	2.4526	0.3354	3.1878	-0.0136	-0.1311	0.8586	0.7138
994	23.7	23.7	0.3995	2.4524	0.3351	3.187	-0.005	-0.1342	0.8432	0.7041
995	23.8	23.7	0.3992	2.4521	0.3352	3.1865	0.0045	-0.1333	0.8357	0.7069
996	23	23.7	0.3994	2.452	0.3354	3.1867	0.014	-0.1277	0.8266	0.713
997	24.3	23.7	0.3997	2.4526	0.3346	3.1869	0.0231	-0.1211	0.8182	0.7202
998	24.4	23.7	0.3994	2.4527	0.3353	3.1874	0.031	-0.0966	0.7957	0.7301
999	23.6	23.7	0.3997	2.4538	0.3349	3.1884	0.0379	-0.0305	0.7186	0.726
1000	23.5	23.7	0.3992	2.4525	0.3358	3.1874	0.0413	-0.039	0.7177	0.72
1001	23.3	23.6	0.3989	2.4527	0.336	3.1876	0.0374	-0.0491	0.7389	0.7271
1002	23.3	23.6	0.3989	2.4531	0.3358	3.1877	0.0456	-0.0479	0.7289	0.7266
1003	23.4	23.7	0.399	2.4534	0.3353	3.1877	0.0458	-0.0547	0.7376	0.7286
1004	23.8	23.7	0.3989	2.4542	0.3346	3.1876	0.0426	-0.0695	0.7586	0.7317
1005	24.2	23.7	0.3982	2.4547	0.3338	3.1867	0.0363	-0.0655	0.7524	0.7232
1006	23.9	23.7	0.3974	2.4543	0.334	3.1857	0.0426	-0.0558	0.7466	0.7333
1007	23.5	23.7	0.3976	2.4548	0.3333	3.1857	0.0378	-0.0383	0.7495	0.749
1008	24	23.6	0.3973	2.455	0.3326	3.1849	0.0339	-0.0226	0.7373	0.7486
1009	23.3	23.6	0.3973	2.455	0.3322	3.1845	0.03	-0.0154	0.7358	0.7504
1010	23.1	23.6	0.3974	2.4547	0.3317	3.1838	0.0224	-0.013	0.7271	0.7366
1011	23.7	23.6	0.3972	2.4546	0.3308	3.1826	0.0202	-0.0089	0.7139	0.7252
1012	23.9	23.6	0.3966	2.4549	0.3303	3.1818	0.0241	-0.0119	0.7133	0.7256
1013	23.9	23.6	0.3965	2.4546	0.3305	3.1816	0.0299	-0.0139	0.7092	0.7253
1014	24.1	23.5	0.3958	2.4549	0.3301	3.1807	0.036	-0.0224	0.7049	0.7185
1015	23.4	23.5	0.3955	2.4542	0.3299	3.1797	0.0338	-0.0246	0.6528	0.6621
1016	23.1	23.4	0.3951	2.4533	0.3296	3.178	0.0416	-0.038	0.4511	0.4547
1017	23.5	23.4	0.3948	2.4531	0.3294	3.1773	0.0421	-0.0334	0.4394	0.4481
1018	23.9	23.3	0.3944	2.4538	0.3293	3.1775	0.0465	-0.0391	0.439	0.4464
1019	23.4	23.3	0.3939	2.4546	0.3288	3.1773	0.0457	-0.0442	0.4497	0.4512
1020	23.2	23.3	0.3939	2.4547	0.3283	3.177	0.0433	-0.0402	0.4542	0.4573
1021	23.2	23.2	0.3936	2.4557	0.3271	3.1763	0.0405	-0.0321	0.4472	0.4556
1022	23.2	23.1	0.3933	2.4563	0.326	3.1756	0.038	-0.0273	0.4462	0.4568
1023	22.9	23.1	0.3933	2.4564	0.3254	3.1751	0.0433	-0.0256	0.4467	0.4644
1024	22.8	23	0.3935	2.4565	0.3249	3.1749	0.0438	-0.0253	0.4413	0.4598
1025	23.2	23	0.3938	2.4567	0.324	3.1745	0.0449	-0.0255	0.4301	0.4494
1026	23.1	23	0.3948	2.4562	0.323	3.174	0.0538	-0.028	0.4245	0.4504
1027	22.5	22.9	0.3944	2.456	0.3232	3.1736	0.0612	-0.0346	0.4272	0.4538

1028	22.5	22.9	0.3949	2.4551	0.3235	3.1734	0.0679	-0.0461	0.4364	0.4581
1029	22.6	22.8	0.3956	2.4542	0.3233	3.1731	0.0759	-0.0494	0.4382	0.4648
1030	22.7	22.8	0.396	2.4539	0.3228	3.1727	0.0789	-0.0391	0.431	0.4708
1031	22.5	22.8	0.3959	2.4541	0.3221	3.1721	0.0823	-0.0292	0.4197	0.4728
1032	22.8	22.8	0.3956	2.4544	0.3213	3.1713	0.14	-0.0139	0.3259	0.452
1033	22.9	22.8	0.3951	2.4542	0.3214	3.1707	0.151	-0.0128	0.3138	0.4521
1034	22.8	22.8	0.3949	2.4537	0.3222	3.1709	0.1482	-0.0113	0.3251	0.462
1035	22.7	22.8	0.395	2.4534	0.3226	3.171	0.1428	-0.0016	0.3236	0.4648
1036	22.5	22.8	0.3951	2.4535	0.322	3.1706	0.1385	0.0081	0.3156	0.4622
1037	22.7	22.8	0.3954	2.4555	0.3203	3.1711	0.1349	0.0105	0.3138	0.4592
1038	22.7	22.8	0.3959	2.4553	0.3191	3.1703	0.131	0.0091	0.3173	0.4574
1039	22.8	22.8	0.3962	2.4551	0.3187	3.17	0.1255	0.01	0.3178	0.4533
1040	23	22.9	0.3962	2.4551	0.3187	3.1699	0.1228	0.0262	0.3171	0.4661
1041	23	22.9	0.396	2.4547	0.3188	3.1695	0.12	0.0353	0.3189	0.4743
1042	22.5	22.9	0.3964	2.4543	0.3186	3.1693	0.1149	0.0457	0.3161	0.4766
1043	22.8	22.9	0.3966	2.4541	0.319	3.1698	0.1047	0.0467	0.3153	0.4666
1044	23.3	22.9	0.3964	2.4541	0.3192	3.1698	0.1002	0.0433	0.3168	0.4603
1045	23.1	22.9	0.3957	2.4544	0.3195	3.1695	0.0991	0.0396	0.3203	0.459
1046	23	23	0.3948	2.4547	0.319	3.1685	0.0945	0.0367	0.3249	0.4561
1047	23.3	22.9	0.3943	2.4546	0.318	3.1669	0.0966	0.04	0.3237	0.4604
1048	22.7	22.9	0.3943	2.4541	0.3186	3.167	0.097	0.0581	0.3111	0.4661
1049	23.1	22.8	0.3945	2.4541	0.3184	3.167	0.0941	0.0449	0.3309	0.4698
1050	22.6	22.8	0.3941	2.4538	0.3179	3.1658	0.0973	0.055	0.3305	0.4828
1051	23	22.7	0.3941	2.4537	0.3172	3.165	0.0915	0.0466	0.336	0.4741
1052	23.2	22.7	0.3941	2.4549	0.3151	3.1641	0.0884	0.0537	0.3375	0.4797
1053	22.8	22.7	0.3941	2.4563	0.3124	3.1629	0.0895	0.0581	0.3399	0.4876
1054	23.6	22.7	0.3949	2.4551	0.3126	3.1626	0.0906	0.0517	0.3415	0.4837
1055	22.9	22.7	0.3945	2.4537	0.3128	3.1609	0.0877	0.0547	0.3367	0.479
1056	22.2	22.7	0.3943	2.4525	0.3127	3.1596	0.0816	0.0612	0.3229	0.4656
1057	21.4	22.7	0.3949	2.4512	0.3129	3.1591	0.0749	0.0521	0.3372	0.4642
1058	21.8	22.7	0.3956	2.4501	0.3131	3.1589	0.076	0.0504	0.3367	0.4631
1059	22.4	22.6	0.3961	2.4497	0.3133	3.159	0.076	0.051	0.3305	0.4575
1060	22.1	22.6	0.3961	2.45	0.3135	3.1596	0.0805	0.0522	0.3258	0.4585
1061	21.3	22.7	0.3958	2.4509	0.3128	3.1595	0.0867	0.0196	0.3496	0.4559
1062	23	22.6	0.3955	2.4508	0.3131	3.1593	0.087	-0.0696	0.431	0.4485
1063	23.1	22.6	0.3954	2.4518	0.312	3.1592	0.0801	-0.0534	0.4082	0.4349
1064	23	22.6	0.3953	2.4521	0.3111	3.1585	0.0861	-0.0513	0.4044	0.4391

1065	23.2	22.5	0.3952	2.4523	0.3107	3.1582	0.0806	-0.0412	0.3964	0.4358
1066	23.3	22.5	0.3952	2.4528	0.3102	3.1583	0.0778	-0.0449	0.3963	0.4292
1067	22.8	22.5	0.3948	2.4534	0.3096	3.1577	0.0777	-0.0555	0.3998	0.422
1068	22.2	22.6	0.3944	2.4531	0.3093	3.1568	0.0796	-0.0601	0.4081	0.4276
1069	22.8	22.6	0.3941	2.4522	0.3091	3.1554	0.0779	-0.0503	0.4152	0.4428
1070	23.4	22.6	0.3937	2.451	0.3097	3.1544	0.0704	-0.0305	0.4133	0.4532
1071	22.7	22.7	0.3935	2.4503	0.3097	3.1535	0.0728	-0.0334	0.4093	0.4487
1072	22.4	22.6	0.3932	2.4503	0.3091	3.1527	0.0757	-0.0104	0.3961	0.4614
1073	22.5	22.6	0.393	2.4509	0.3084	3.1523	0.0715	-0.0029	0.3763	0.445
1074	21.6	22.5	0.393	2.451	0.3089	3.1529	0.0724	0	0.3671	0.4395
1075	22.4	22.4	0.3922	2.4514	0.3087	3.1523	0.0728	-0.0032	0.3662	0.4359
1076	22.4	22.4	0.3914	2.4515	0.3086	3.1515	0.0755	-0.0114	0.3684	0.4325
1077	22.4	22.4	0.3911	2.4519	0.308	3.151	0.0856	-0.0304	0.372	0.4271
1078	22.7	22.3	0.3911	2.452	0.3077	3.1508	0.082	-0.04	0.3801	0.422
1079	22.7	22.3	0.3912	2.451	0.3081	3.1503	0.0901	-0.0415	0.3791	0.4277
1080	22.1	22.2	0.3913	2.4498	0.3085	3.1495	0.0951	-0.0433	0.3822	0.4341
1081	21.8	22.1	0.3912	2.4501	0.3079	3.1492	0.0927	-0.0402	0.3744	0.4269
1082	22.2	22.1	0.3915	2.4505	0.3076	3.1496	0.084	-0.0421	0.3766	0.4185
1083	22.2	22	0.3918	2.4505	0.3067	3.149	0.0812	-0.0361	0.3707	0.4157
1084	21.7	22	0.3919	2.4506	0.3062	3.1488	0.0763	-0.0364	0.374	0.4139
1085	22.3	22	0.3915	2.4505	0.3062	3.1482	0.073	-0.0324	0.3832	0.4238
1086	22.5	22	0.3911	2.4505	0.3057	3.1473	0.072	-0.0226	0.3893	0.4387
1087	21.8	21.9	0.3909	2.4507	0.305	3.1466	0.0688	-0.0162	0.3875	0.4401
1088	21.8	21.8	0.3906	2.4508	0.3049	3.1463	0.0678	0.0194	0.3611	0.4483
1089	21.7	21.8	0.3901	2.4501	0.3049	3.1451	0.0755	0.0091	0.3422	0.4269
1090	21.5	21.8	0.3895	2.449	0.3052	3.1436	0.0797	0.0005	0.3499	0.4301
1091	21	21.8	0.3895	2.4482	0.3052	3.1428	0.079	-0.0067	0.3609	0.4331
1092	21.4	21.7	0.3898	2.448	0.3045	3.1423	0.0726	-0.0128	0.3728	0.4326
1093	21.9	21.7	0.3898	2.4482	0.3037	3.1417	0.0739	-0.0141	0.3696	0.4294
1094	22	21.7	0.3896	2.4484	0.3031	3.1411	0.079	-0.0105	0.3589	0.4274
1095	21.8	21.6	0.3897	2.4484	0.3027	3.1409	0.0789	-0.0001	0.3505	0.4294
1096	21.4	21.6	0.3897	2.448	0.303	3.1407	0.0653	0.0021	0.3553	0.4228
1097	21.3	21.6	0.39	2.4468	0.3035	3.1402	0.0586	0.0034	0.3669	0.4289
1098	21.2	21.6	0.39	2.4482	0.3022	3.1404	0.056	-0.0053	0.3638	0.4145
1099	21.9	21.7	0.3899	2.4483	0.3019	3.1401	0.0576	-0.0157	0.3849	0.4268
1100	21.8	21.7	0.39	2.4478	0.3022	3.14	0.0588	-0.0179	0.3952	0.4361
1101	21.5	21.8	0.39	2.4473	0.3022	3.1396	0.0532	-0.0227	0.3925	0.4231

1102	21.5	21.8	0.3899	2.4472	0.3018	3.1389	0.0518	-0.0258	0.3915	0.4175
1103	21.2	21.8	0.3899	2.4483	0.3012	3.1394	0.0504	-0.0135	0.376	0.4129
1104	21.5	21.9	0.3901	2.4487	0.3009	3.1397	0.0606	0.003	0.3424	0.406
1105	22.6	21.8	0.39	2.4486	0.3015	3.1402	0.0713	-0.0202	0.3491	0.4002
1106	22	21.9	0.3899	2.4491	0.3003	3.1393	0.0706	-0.0382	0.3579	0.3903
1107	22.1	21.9	0.39	2.4498	0.2996	3.1394	0.071	-0.0486	0.3663	0.3887
1108	21.8	21.9	0.3897	2.4499	0.2995	3.1392	0.0753	-0.0659	0.3802	0.3897
1109	22.1	21.9	0.3892	2.4498	0.2997	3.1387	0.0846	-0.0779	0.3852	0.3918
1110	22.7	21.9	0.3887	2.4528	0.2967	3.1382	0.0934	-0.0759	0.3761	0.3936
1111	21.7	21.9	0.3885	2.4615	0.2877	3.1378	0.0923	-0.0691	0.3736	0.3969
1112	22.5	21.8	0.3886	2.4602	0.2895	3.1383	0.0889	-0.0541	0.3595	0.3942
1113	22.6	21.8	0.3879	2.4597	0.29	3.1377	0.09	-0.0575	0.3576	0.3901
1114	21.6	21.8	0.3877	2.459	0.2904	3.1371	0.0885	-0.0496	0.3548	0.3937
1115	21.9	21.7	0.3877	2.4587	0.2903	3.1367	0.0888	-0.0451	0.3535	0.3973
1116	21.9	21.6	0.3873	2.4589	0.2896	3.1358	0.091	-0.0404	0.3526	0.4033
1117	21.7	21.6	0.3868	2.4591	0.2886	3.1345	0.0926	-0.0327	0.3498	0.4096
1118	21.7	21.6	0.3866	2.4589	0.2878	3.1333	0.0971	-0.0271	0.3392	0.4091
1119	20.9	21.5	0.3869	2.4577	0.2875	3.132	0.097	-0.028	0.34	0.4091
1120	21.2	21.5	0.3866	2.4581	0.2874	3.1321	0.0936	-0.0307	0.3441	0.407
1121	20.3	21.5	0.386	2.4567	0.2875	3.1302	0.0854	-0.049	0.354	0.3904
1122	21.4	21.4	0.3861	2.4566	0.2884	3.1311	0.0809	-0.0675	0.3637	0.3772
1123	20.6	21.3	0.3861	2.4564	0.2887	3.1312	0.0776	-0.0726	0.3627	0.3677
1124	21.2	21.3	0.3862	2.4568	0.2883	3.1313	0.075	-0.0642	0.3536	0.3644
1125	21.3	21.3	0.3863	2.4578	0.2872	3.1313	0.0791	-0.0535	0.354	0.3795
1126	21	21.3	0.3862	2.4592	0.2858	3.1313	0.0773	-0.0372	0.3508	0.3909
1127	21.6	21.2	0.3862	2.46	0.2852	3.1314	0.0609	-0.0353	0.3523	0.3779
1128	21.1	21.2	0.3859	2.4592	0.2855	3.1307	0.0483	-0.0308	0.342	0.3596
1129	21.3	21.3	0.3861	2.4585	0.2851	3.1297	0.042	-0.0342	0.3405	0.3483
1130	21.6	21.3	0.3867	2.4579	0.2854	3.13	0.0464	-0.0491	0.3453	0.3426
1131	21.3	21.3	0.3875	2.4583	0.2845	3.1303	0.0497	-0.0711	0.3557	0.3343
1132	21	21.3	0.3874	2.4581	0.2842	3.1297	0.0499	-0.0808	0.3573	0.3263
1133	21.2	21.4	0.3875	2.4578	0.284	3.1293	0.0543	-0.0858	0.3558	0.3243
1134	21.7	21.4	0.3876	2.457	0.2839	3.1285	0.0611	-0.089	0.3459	0.3179
1135	21.8	21.4	0.3878	2.4557	0.2837	3.1271	0.06	-0.0827	0.3424	0.3197
1136	21.5	21.4	0.3882	2.4551	0.2832	3.1266	0.0536	-0.0863	0.3502	0.3175
1137	21	21.4	0.3886	2.4535	0.2842	3.1263	0.0535	-0.0835	0.3437	0.3136
1138	22.1	21.5	0.3883	2.4544	0.2849	3.1276	0.0549	-0.0795	0.3378	0.3132

1139	21.7	21.5	0.3882	2.4551	0.2837	3.127	0.0521	-0.0782	0.3365	0.3104
1140	21	21.5	0.3883	2.4557	0.2826	3.1266	0.0455	-0.0876	0.337	0.2948
1141	21.3	21.4	0.3888	2.4559	0.2815	3.1262	0.0387	-0.1038	0.3477	0.2825
1142	21.7	21.4	0.389	2.4557	0.2817	3.1264	0.0382	-0.1148	0.3617	0.2851
1143	21.4	21.4	0.3887	2.4552	0.2831	3.127	0.0444	-0.1078	0.3576	0.2941
1144	21.2	21.4	0.3885	2.4541	0.2842	3.1268	0.053	-0.1048	0.3401	0.2883
1145	21.5	21.3	0.3892	2.4542	0.2839	3.1273	0.0538	-0.0943	0.3303	0.2898
1146	21.5	21.3	0.389	2.4544	0.2823	3.1257	0.0615	-0.0856	0.3308	0.3067
1147	22	21.3	0.3887	2.4551	0.2816	3.1255	0.0647	-0.0886	0.342	0.3181
1148	21.6	21.2	0.3885	2.4557	0.2801	3.1243	0.0656	-0.1018	0.3567	0.3205
1149	21.2	21.2	0.3886	2.4559	0.2789	3.1234	0.063	-0.088	0.3516	0.3266
1150	21	21.2	0.3888	2.4561	0.2786	3.1235	0.0625	-0.0849	0.351	0.3286
1151	20.3	21.2	0.3889	2.4563	0.2781	3.1233	0.0641	-0.0817	0.3586	0.341
1152	20.8	21.1	0.3891	2.4562	0.2775	3.1228	0.0713	-0.0938	0.3603	0.3379
1153	21.5	21.1	0.3881	2.456	0.2782	3.1222	0.0755	-0.0963	0.3574	0.3366
1154	20.8	21.1	0.3877	2.4571	0.2777	3.1225	0.0779	-0.0828	0.3445	0.3396
1155	20.6	21	0.3874	2.4575	0.277	3.1219	0.0809	-0.0773	0.3362	0.3397
1156	21.1	21	0.3872	2.4574	0.2761	3.1207	0.0817	-0.0796	0.3408	0.3429
1157	21.2	20.9	0.3874	2.4578	0.2749	3.1201	0.0832	-0.0752	0.3279	0.3358
1158	20.6	20.9	0.3872	2.4579	0.2746	3.1197	0.0882	-0.0735	0.3267	0.3413
1159	21	20.9	0.3867	2.4573	0.2757	3.1196	0.089	-0.0734	0.3267	0.3423
1160	20.9	20.9	0.3869	2.4569	0.2761	3.1199	0.0804	-0.0711	0.3221	0.3314
1161	21.3	20.9	0.3869	2.4563	0.2769	3.1201	0.0752	-0.0479	0.3071	0.3344
1162	21	20.9	0.3865	2.4566	0.2773	3.1203	0.0731	0.036	0.2212	0.3303
1163	20.3	20.8	0.3865	2.4568	0.2765	3.1198	0.075	0.0213	0.2368	0.333
1164	20.5	20.8	0.3864	2.4567	0.2758	3.1188	0.0705	0.0169	0.2437	0.3312
1165	20.9	20.8	0.3861	2.4563	0.2754	3.1179	0.0712	0.0122	0.2508	0.3343
1166	20.7	20.8	0.3859	2.4561	0.2753	3.1173	0.0714	0.0151	0.2496	0.336
1167	21	20.8	0.3851	2.4561	0.2756	3.1168	0.0694	0.0196	0.2448	0.3338
1168	21.2	20.7	0.3847	2.4559	0.2753	3.1159	0.065	0.0285	0.2384	0.3319
1169	20.9	20.8	0.3847	2.4552	0.2747	3.1147	0.0598	0.0298	0.2318	0.3214
1170	21	20.8	0.3852	2.4559	0.2743	3.1154	0.0609	0.0153	0.2309	0.3071
1171	20.6	20.7	0.3854	2.457	0.2734	3.1158	0.0586	0.0179	0.231	0.3075
1172	20.4	20.7	0.3855	2.4576	0.2728	3.1159	0.0545	0.0048	0.2332	0.2925
1173	20.7	20.7	0.3855	2.4573	0.273	3.1159	0.0604	0.0077	0.2424	0.3105
1174	20.8	20.8	0.3851	2.4564	0.2735	3.115	0.0645	0.0148	0.2421	0.3213
1175	20.4	20.8	0.3845	2.4551	0.2736	3.1132	0.0649	0.0287	0.2306	0.3242

1176	20.5	20.9	0.3853	2.455	0.2733	3.1137	0.0675	0.0501	0.2108	0.3284
1177	20.2	20.8	0.3863	2.455	0.2738	3.1151	0.0708	0.0636	0.2014	0.3358
1178	21.3	20.8	0.3869	2.4554	0.2736	3.116	0.0672	0.0646	0.2031	0.3349
1179	20.9	20.8	0.3866	2.4559	0.2736	3.1161	0.062	0.0534	0.2113	0.3267
1180	20.8	20.8	0.3863	2.4569	0.2729	3.1161	0.0655	0.0451	0.2071	0.3177
1181	20.8	20.9	0.3863	2.4582	0.2721	3.1165	0.074	0.0395	0.2097	0.3232
1182	20.7	20.9	0.3861	2.4591	0.272	3.1172	0.0814	0.0444	0.2057	0.3315
1183	21.2	20.9	0.3857	2.4594	0.2721	3.1172	0.0793	0.0346	0.2134	0.3272
1184	22.1	20.9	0.3859	2.4589	0.272	3.1168	0.076	0.0329	0.2213	0.3302
1185	21	21	0.3862	2.4592	0.2711	3.1165	0.077	0.0209	0.225	0.3228
1186	20.6	21	0.3858	2.4588	0.2714	3.116	0.0801	0.0045	0.2272	0.3118
1187	20.3	21.1	0.3854	2.4586	0.2713	3.1153	0.0826	-0.0039	0.2266	0.3053
1188	20.9	21.1	0.3854	2.4586	0.2712	3.1152	0.0803	-0.0217	0.2392	0.2979
1189	21.5	21.1	0.3855	2.4588	0.2712	3.1156	0.0737	-0.0177	0.2499	0.3059
1190	21.2	21.1	0.3856	2.4594	0.2704	3.1154	0.0753	-0.0158	0.241	0.3005
1191	21	21.2	0.3857	2.4596	0.269	3.1143	0.0842	-0.0037	0.2277	0.3082
1192	20.3	21.2	0.3853	2.4588	0.2688	3.1129	0.0878	0.0098	0.218	0.3156
1193	21.5	21.2	0.3845	2.4587	0.2697	3.1129	0.0882	0.0068	0.2203	0.3153
1194	21.4	21.1	0.3842	2.4579	0.27	3.1121	0.0868	0.0009	0.2416	0.3293
1195	21.5	21.1	0.3836	2.457	0.2697	3.1102	0.0861	-0.013	0.2591	0.3322
1196	21.5	21.2	0.3832	2.4568	0.2688	3.1089	0.0937	-0.0156	0.2607	0.3388
1197	21.2	21.2	0.3834	2.457	0.2678	3.1082	0.0919	-0.0158	0.2475	0.3235
1198	21.1	21.3	0.3837	2.457	0.267	3.1078	0.0897	-0.0094	0.2433	0.3236
1199	21.6	21.3	0.3837	2.4568	0.2668	3.1072	0.0936	-0.0063	0.2311	0.3185
1200	22	21.3	0.3836	2.456	0.2663	3.1059	0.0958	-0.0031	0.2201	0.3128
1201	20.9	21.4	0.3829	2.4567	0.2662	3.1058	0.0994	-0.0018	0.2187	0.3162
1202	21	21.4	0.3823	2.4569	0.266	3.1053	0.0999	-0.0053	0.2166	0.3112
1203	20.9	21.4	0.3821	2.4565	0.2667	3.1054	0.1034	-0.0007	0.2066	0.3094
1204	21.1	21.4	0.382	2.4564	0.2673	3.1057	0.0957	-0.0041	0.2177	0.3094
1205	21.4	21.4	0.3818	2.4566	0.2675	3.1059	0.0948	0.0017	0.2189	0.3154
1206	21.6	21.4	0.3816	2.4566	0.2675	3.1057	0.0949	0.006	0.2086	0.3095
1207	21.8	21.4	0.3812	2.4571	0.267	3.1053	0.097	0.0014	0.2031	0.3014
1208	22	21.4	0.3808	2.4573	0.2668	3.1049	0.1046	0.0003	0.2001	0.305
1209	21.5	21.4	0.3812	2.4569	0.2675	3.1056	0.0985	0.0013	0.1977	0.2974
1210	22.2	21.4	0.3812	2.4576	0.266	3.1048	0.0961	-0.0061	0.2092	0.2992
1211	20.6	21.4	0.3812	2.4579	0.2656	3.1047	0.1025	-0.0063	0.2121	0.3083
1212	21	21.4	0.3811	2.4581	0.2658	3.105	0.105	-0.0056	0.2177	0.317

1213	21.6	21.4	0.3808	2.4581	0.2657	3.1045	0.0949	0.0009	0.23	0.3259
1214	21.3	21.3	0.3806	2.4578	0.2653	3.1037	0.0865	0.0024	0.2388	0.3277
1215	21.3	21.3	0.3806	2.4572	0.2653	3.1031	0.0853	0.0037	0.2372	0.3261
1216	22	21.3	0.3804	2.4569	0.2651	3.1024	0.086	0.0032	0.2287	0.3179
1217	20.7	21.2	0.3803	2.4563	0.2647	3.1013	0.0805	0.004	0.2266	0.3112
1218	21.2	21.1	0.3806	2.4559	0.2646	3.1011	0.0736	0.0035	0.2292	0.3063
1219	21.6	21.1	0.3808	2.4561	0.2644	3.1013	0.0747	0.0015	0.2283	0.3045
1220	21.1	21	0.3807	2.4563	0.2643	3.1013	0.0803	-0.0053	0.2228	0.2979
1221	20.8	21	0.3805	2.4562	0.2642	3.1009	0.0892	0.0007	0.2115	0.3015
1222	21	21	0.3801	2.4558	0.2641	3.1	0.0973	0.0135	0.2023	0.3131
1223	20.8	20.9	0.3796	2.4549	0.2645	3.0991	0.1016	0.0209	0.1924	0.3148
1224	20.7	20.9	0.3797	2.4539	0.2653	3.0989	0.1094	0.0129	0.1973	0.3197
1225	20.7	20.8	0.3795	2.4528	0.2661	3.0984	0.1056	0.006	0.2069	0.3184
1226	20.5	20.7	0.3792	2.4529	0.2657	3.0977	0.0997	-0.0041	0.2126	0.3082
1227	20.3	20.7	0.3795	2.4536	0.2648	3.0979	0.1078	-0.0024	0.212	0.3174
1228	20.8	20.7	0.3797	2.4539	0.2644	3.098	0.1145	0.0005	0.2171	0.3321
1229	21.1	20.6	0.3795	2.454	0.2644	3.0979	0.1191	0.006	0.2142	0.3393
1230	20.9	20.6	0.3793	2.454	0.2644	3.0976	0.1131	0.0117	0.2121	0.3369
1231	20.4	20.5	0.3793	2.4539	0.2639	3.0972	0.105	0.0313	0.2057	0.342
1232	20.4	20.5	0.3795	2.4546	0.2629	3.097	0.1026	0.0547	0.1977	0.355
1233	20.4	20.5	0.3799	2.4545	0.2619	3.0963	0.1006	0.068	0.1954	0.364
1234	20.4	20.5	0.3799	2.4549	0.2614	3.0962	0.0985	0.0669	0.196	0.3615
1235	20.2	20.5	0.3798	2.4552	0.261	3.0959	0.1029	0.0591	0.1994	0.3613
1236	20.1	20.5	0.38	2.4555	0.2606	3.096	0.1044	0.0721	0.1982	0.3747
1237	20.5	20.5	0.3806	2.4557	0.2603	3.0965	0.0964	0.0805	0.1989	0.3757
1238	20.5	20.6	0.381	2.4561	0.2599	3.097	0.0893	0.0782	0.2034	0.371
1239	19.9	20.5	0.3807	2.4567	0.2596	3.0969	0.0904	0.0752	0.2043	0.3698
1240	20.2	20.5	0.3799	2.4561	0.2598	3.0958	0.0934	0.0821	0.2045	0.38
1241	20.2	20.6	0.38	2.455	0.2597	3.0947	0.0939	0.0955	0.1965	0.3859
1242	20.6	20.6	0.3802	2.4551	0.2596	3.0948	0.0935	0.1026	0.1789	0.375
1243	21	20.6	0.3801	2.4551	0.259	3.0941	0.0907	0.0987	0.1705	0.3598
1244	21	20.7	0.3799	2.4554	0.2583	3.0936	0.0843	0.0951	0.1787	0.358
1245	20.8	20.7	0.3798	2.4558	0.2578	3.0934	0.0841	0.0762	0.1858	0.3461
1246	20.9	20.8	0.3798	2.4559	0.2576	3.0933	0.0775	0.0665	0.1878	0.3319
1247	20.9	20.8	0.3797	2.4561	0.2573	3.0931	0.0715	0.0616	0.1847	0.3178
1248	20.3	20.9	0.3792	2.4563	0.257	3.0925	0.072	0.0554	0.1841	0.3116
1249	21.1	21	0.379	2.4562	0.2569	3.0921	0.0757	0.0497	0.1851	0.3105

1250	21.1	21	0.3788	2.4563	0.2567	3.0918	0.0744	0.0475	0.1814	0.3033
1251	21.1	21	0.3789	2.4568	0.2564	3.0922	0.0724	0.0392	0.1746	0.2863
1252	21.2	21	0.3788	2.4563	0.2568	3.0919	0.0695	0.0387	0.1796	0.2879
1253	21	21	0.3785	2.4564	0.2564	3.0913	0.0676	0.0444	0.1847	0.2967
1254	20.8	21	0.3783	2.4569	0.2558	3.091	0.0696	0.0437	0.1924	0.3057
1255	21.3	21	0.3779	2.4569	0.2561	3.0909	0.0696	0.0482	0.1993	0.3172
1256	21.9	21	0.3775	2.4573	0.2558	3.0906	0.0674	0.0572	0.203	0.3275
1257	21.7	20.9	0.3769	2.4578	0.2549	3.0896	0.0637	0.0628	0.207	0.3334
1258	21.1	21	0.3773	2.4578	0.2548	3.0899	0.0555	0.0701	0.2113	0.337
1259	21.1	20.9	0.3771	2.4579	0.2547	3.0897	0.0522	0.0786	0.2064	0.3371
1260	20.6	20.9	0.3766	2.4575	0.2549	3.0891	0.0507	0.0786	0.21	0.3393
1261	20.5	20.8	0.3764	2.4569	0.2551	3.0884	0.0493	0.0921	0.1973	0.3387
1262	21	20.8	0.377	2.4565	0.2543	3.0877	0.048	0.1026	0.1943	0.3449
1263	21.1	20.8	0.3779	2.4565	0.2526	3.087	0.0455	0.1062	0.1984	0.3501
1264	21	20.7	0.3779	2.4563	0.252	3.0862	0.0426	0.1049	0.2009	0.3484
1265	19.5	20.6	0.3775	2.456	0.2525	3.0861	0.0431	0.1098	0.1984	0.3512
1266	20.7	20.5	0.3779	2.4557	0.2526	3.0862	0.047	0.1086	0.2002	0.3557
1267	20.5	20.5	0.3778	2.4557	0.2527	3.0862	0.0446	0.1031	0.2001	0.3478
1268	20.1	20.4	0.3772	2.4558	0.2525	3.0855	0.0425	0.0951	0.1957	0.3334
1269	20.3	20.3	0.3767	2.4558	0.2524	3.0849	0.046	0.09	0.1916	0.3276
1270	20.6	20.3	0.3763	2.4559	0.2531	3.0852	0.049	0.0937	0.1884	0.331
1271	20.6	20.3	0.3757	2.4557	0.2531	3.0845	0.0496	0.1014	0.1914	0.3424
1272	20.5	20.3	0.3753	2.4555	0.2536	3.0844	0.0491	0.1009	0.1922	0.3422
1273	19.9	20.2	0.3746	2.4561	0.2533	3.0839	0.0534	0.083	0.1968	0.3332
1274	19.6	20.1	0.3745	2.4558	0.2528	3.0831	0.0492	0.0674	0.2079	0.3245
1275	20	20.2	0.3745	2.4555	0.2524	3.0824	0.0485	0.0479	0.2221	0.3185
1276	20.2	20.1	0.3746	2.4552	0.2521	3.0819	0.0476	0.0349	0.2354	0.3179
1277	20	20.1	0.3749	2.4549	0.2521	3.0819	0.0444	0.0331	0.236	0.3135
1278	19.8	20.1	0.375	2.4548	0.2522	3.082	0.0463	0.0343	0.233	0.3135
1279	20.5	20.1	0.3753	2.4547	0.2524	3.0824	0.0503	0.0392	0.2328	0.3224
1280	20.2	20	0.3758	2.4538	0.2523	3.0819	0.0484	0.0448	0.2311	0.3244
1281	20.1	20	0.376	2.4527	0.2524	3.081	0.0452	0.0461	0.2325	0.3239
1282	19.9	19.9	0.376	2.4523	0.2525	3.0808	0.0475	0.0453	0.2282	0.3209
1283	19.6	19.9	0.3759	2.4527	0.2525	3.0811	0.0501	0.0534	0.2171	0.3207
1284	19.8	19.9	0.3756	2.453	0.252	3.0807	0.0533	0.0529	0.2089	0.3151
1285	19.9	19.8	0.3757	2.452	0.2513	3.079	0.0523	0.0541	0.2084	0.3148
1286	20.1	19.7	0.3761	2.4508	0.2515	3.0784	0.0476	0.0581	0.2056	0.3113

1287	20	19.7	0.3765	2.4508	0.2509	3.0782	0.0489	0.0616	0.2017	0.3123
1288	19.7	19.6	0.3764	2.4511	0.2508	3.0783	0.0515	0.0577	0.2033	0.3125
1289	19.7	19.5	0.3762	2.4506	0.2508	3.0776	0.0559	0.0572	0.2004	0.3135
1290	19.8	19.5	0.3762	2.4498	0.2507	3.0768	0.0544	0.0617	0.1966	0.3127
1291	19.7	19.4	0.3763	2.4494	0.2511	3.0768	0.0493	0.0582	0.2002	0.3077
1292	19.7	19.4	0.3763	2.4489	0.2517	3.0769	0.0555	0.0451	0.2055	0.306
1293	18.3	19.4	0.3761	2.4492	0.2518	3.0771	0.06	0.0296	0.2207	0.3103
1294	18.6	19.4	0.3758	2.4502	0.2515	3.0775	0.0641	0.03	0.2218	0.3159
1295	19.3	19.4	0.3758	2.4503	0.2509	3.077	0.0716	0.0405	0.2173	0.3294
1296	19.1	19.4	0.3761	2.4507	0.2503	3.0771	0.066	0.0455	0.2174	0.329
1297	18.5	19.4	0.3762	2.4514	0.2494	3.077	0.0623	0.052	0.2199	0.3342
1298	18.8	19.4	0.3761	2.4521	0.2485	3.0767	0.0628	0.0592	0.2219	0.344
1299	19.6	19.4	0.3762	2.452	0.2487	3.0769	0.0601	0.0622	0.2224	0.3446
1300	19.1	19.4	0.3764	2.4521	0.2488	3.0773	0.0595	0.0546	0.2234	0.3374
1301	19.3	19.5	0.3759	2.4528	0.2482	3.077	0.0627	0.0495	0.2258	0.3381
1302	20	19.5	0.3756	2.4524	0.2476	3.0756	0.0481	0.0596	0.2457	0.3534
1303	19.5	19.5	0.3752	2.4522	0.2475	3.0748	0.0416	0.0647	0.2513	0.3576
1304	19.7	19.6	0.375	2.4516	0.2474	3.074	0.0375	0.0692	0.2413	0.3481
1305	20.1	19.6	0.3751	2.4509	0.2472	3.0731	0.0308	0.0743	0.2328	0.3379
1306	19.8	19.7	0.3752	2.4504	0.2468	3.0724	0.0219	0.0772	0.236	0.3351
1307	19.6	19.9	0.3756	2.4501	0.2458	3.0716	0.0172	0.0866	0.2271	0.3309
1308	19.8	19.9	0.3756	2.4494	0.2462	3.0712	0.0111	0.0901	0.2263	0.3275
1309	20.8	20	0.3761	2.4491	0.2465	3.0716	0.0122	0.0824	0.2337	0.3283
1310	20.2	20	0.3763	2.4483	0.2463	3.0709	0.0104	0.0814	0.2404	0.3321
1311	19.6	20.1	0.3764	2.4477	0.2462	3.0703	0.0079	0.0794	0.2433	0.3307
1312	19.6	20	0.3765	2.4474	0.246	3.07	0.0074	0.074	0.2415	0.3229
1313	19.8	20.1	0.3766	2.4476	0.2456	3.0697	0.0131	0.0733	0.2291	0.3155
1314	20.3	20	0.3763	2.4468	0.2455	3.0686	0.02	0.0841	0.213	0.3171
1315	20.8	20	0.3759	2.4464	0.2453	3.0676	0.0189	0.0774	0.2091	0.3054
1316	20.8	20	0.3759	2.4466	0.2451	3.0676	0.0176	0.069	0.2167	0.3033
1317	20.5	20	0.3761	2.4468	0.2452	3.068	0.0218	0.0622	0.221	0.305
1318	20.3	20	0.376	2.4469	0.2455	3.0684	0.0211	0.0617	0.2261	0.3089
1319	20.1	20	0.3759	2.4468	0.2456	3.0682	0.0184	0.0612	0.2272	0.3067
1320	19.8	19.9	0.3758	2.4462	0.2452	3.0671	0.0165	0.0573	0.23	0.3037
1321	19.7	19.9	0.3756	2.4461	0.245	3.0667	0.0118	0.0526	0.2392	0.3036
1322	19.8	19.9	0.3748	2.4475	0.2444	3.0667	0.011	0.0517	0.2439	0.3066
1323	19.3	19.8	0.3747	2.4482	0.2437	3.0666	0.0083	0.0533	0.2455	0.3071

1324	19.5	19.8	0.3748	2.4491	0.2431	3.067	0.0015	0.0663	0.2425	0.3103
1325	19.5	19.8	0.3747	2.4493	0.2425	3.0666	0.0013	0.0698	0.2352	0.3063
1326	19.5	19.7	0.3747	2.4496	0.2421	3.0664	0.0031	0.068	0.2292	0.3004
1327	19.8	19.7	0.3749	2.4502	0.2416	3.0666	0.0063	0.0653	0.2278	0.2994
1328	20.4	19.7	0.3747	2.4499	0.2411	3.0658	0.0093	0.0653	0.2293	0.3038
1329	18.9	19.6	0.3747	2.4495	0.2413	3.0655	0.0144	0.0669	0.2342	0.3155
1330	19.4	19.7	0.3748	2.4493	0.2411	3.0653	0.0195	0.0669	0.2359	0.3223
1331	19	19.7	0.3746	2.4494	0.2411	3.0651	0.0273	0.0509	0.2436	0.3218
1332	19.5	19.7	0.3745	2.4493	0.2411	3.0649	0.0267	0.03	0.2492	0.3058
1333	20.2	19.8	0.3745	2.4492	0.241	3.0648	0.0239	0.0112	0.2712	0.3063
1334	19.9	19.8	0.3747	2.4495	0.2406	3.0647	0.018	0.01	0.291	0.3191
1335	19.8	19.9	0.375	2.4494	0.2404	3.0648	0.0116	0.0175	0.2916	0.3208
1336	20.2	19.9	0.3751	2.4493	0.2404	3.0648	0.0166	0.009	0.2818	0.3073
1337	19.4	20	0.3754	2.4499	0.2399	3.0653	0.0231	-0.0002	0.2818	0.3047
1338	19.8	20.1	0.3754	2.4504	0.2399	3.0657	0.0341	-0.0006	0.2754	0.3089
1339	19.9	20.1	0.3753	2.4505	0.2399	3.0657	0.0346	0.0037	0.2638	0.3022
1340	19.9	20.2	0.375	2.4503	0.2398	3.0651	0.0365	0.0063	0.2485	0.2913
1341	20.4	20.3	0.3744	2.4505	0.2392	3.0641	0.04	0.0035	0.2409	0.2844
1342	20.9	20.3	0.3742	2.4521	0.2376	3.0638	0.0403	-0.0025	0.2457	0.2834
1343	20.8	20.4	0.3736	2.4521	0.2368	3.0625	0.0395	-0.0074	0.247	0.2791
1344	20.2	20.4	0.3728	2.4514	0.2365	3.0607	0.0291	-0.0031	0.2539	0.28
1345	20.8	20.4	0.3732	2.4512	0.2361	3.0605	0.0338	0.018	0.2464	0.2983
1346	21.2	20.5	0.3736	2.4507	0.2356	3.0599	0.0405	0.0185	0.2378	0.2968
1347	21	20.5	0.3735	2.4502	0.2351	3.0587	0.0504	0.0178	0.2315	0.2996
1348	20.6	20.5	0.3732	2.4501	0.2348	3.058	0.0547	0.0204	0.2205	0.2955
1349	20.2	20.5	0.3731	2.4507	0.2346	3.0584	0.0517	0.0204	0.2138	0.286
1350	20.7	20.5	0.3726	2.4513	0.2341	3.058	0.0508	0.0148	0.2252	0.2909
1351	20.5	20.5	0.3741	2.4509	0.2318	3.0568	0.0581	0.0143	0.2379	0.3102
1352	20.6	20.4	0.3746	2.4498	0.2317	3.0561	0.0599	0.0159	0.238	0.3137
1353	20.7	20.4	0.3748	2.4495	0.2323	3.0565	0.0553	0.0121	0.2372	0.3046
1354	20.6	20.4	0.3752	2.4495	0.2325	3.0572	0.0502	0.0097	0.2408	0.3007
1355	20.4	20.4	0.3757	2.4492	0.2325	3.0574	0.049	0.0061	0.2406	0.2956
1356	20	20.3	0.3758	2.4486	0.2331	3.0575	0.0485	-0.0017	0.2409	0.2878
1357	20.2	20.3	0.3758	2.4488	0.2323	3.0569	0.0462	-0.0069	0.2433	0.2826
1358	19.7	20.2	0.3761	2.4496	0.2314	3.0571	0.0467	0.0018	0.2357	0.2843
1359	20.1	20.2	0.3761	2.4497	0.2307	3.0565	0.0451	-0.0006	0.2409	0.2854
1360	20.2	20.1	0.3758	2.4496	0.2306	3.056	0.0526	0.0008	0.2444	0.2979

1361	20	20.1	0.3757	2.4495	0.2309	3.0561	0.0526	-0.0042	0.2465	0.2948
1362	19.8	20.1	0.3757	2.4491	0.2314	3.0562	0.0546	-0.0084	0.2501	0.2963
1363	19.8	20	0.3759	2.4481	0.2313	3.0553	0.0562	-0.0038	0.2521	0.3045
1364	20.6	20	0.376	2.4485	0.2311	3.0557	0.0538	0.0059	0.2501	0.3098
1365	20.4	20	0.3758	2.4491	0.2309	3.0558	0.0479	-0.001	0.2496	0.2966
1366	20.1	19.9	0.3757	2.4495	0.2305	3.0557	0.0357	-0.0043	0.2453	0.2766
1367	19.7	19.9	0.3757	2.4496	0.2301	3.0553	0.0373	0.0021	0.2446	0.284
1368	19.4	19.8	0.3754	2.4496	0.2298	3.0548	0.0349	0.0089	0.2456	0.2894
1369	19.5	19.8	0.375	2.45	0.2294	3.0545	0.0314	0.0153	0.2457	0.2924
1370	20.6	19.8	0.3751	2.4506	0.2292	3.0549	0.0291	0.0193	0.2437	0.2922
1371	19.8	19.8	0.3746	2.4505	0.2288	3.0538	0.0282	0.0157	0.2383	0.2823
1372	19.8	19.8	0.3745	2.4502	0.229	3.0537	0.0254	0.0125	0.2373	0.2752
1373	19.8	19.8	0.3744	2.4494	0.229	3.0529	0.0178	0.023	0.2395	0.2803
1374	19.7	19.8	0.3744	2.4488	0.2293	3.0525	0.0199	0.0288	0.2343	0.283
1375	19.6	19.7	0.3742	2.4487	0.2295	3.0523	0.0271	0.039	0.2242	0.2904
1376	19.2	19.7	0.3739	2.4487	0.2293	3.052	0.0274	0.0365	0.2239	0.2879
1377	18.9	19.7	0.3739	2.4484	0.2291	3.0515	0.0292	0.0342	0.2238	0.2872
1378	19	19.7	0.3736	2.4481	0.2288	3.0505	0.0339	0.0368	0.2205	0.2912
1379	20.2	19.7	0.3733	2.448	0.2288	3.0502	0.0359	0.0341	0.2158	0.2858
1380	20	19.7	0.3731	2.4487	0.228	3.0497	0.0395	0.0317	0.2164	0.2876
1381	20.2	19.7	0.3733	2.4497	0.2274	3.0505	0.0437	0.0265	0.2182	0.2884
1382	20	19.7	0.3736	2.4512	0.2254	3.0501	0.0471	0.0233	0.2231	0.2935
1383	19.6	19.7	0.3741	2.4517	0.2234	3.0492	0.0513	0.0215	0.2325	0.3053
1384	19.6	19.7	0.3745	2.4512	0.2229	3.0486	0.0539	0.0224	0.2242	0.3005
1385	19.9	19.7	0.3741	2.4511	0.2231	3.0482	0.0562	0.0281	0.2113	0.2955
1386	19.2	19.7	0.3738	2.4508	0.2233	3.0479	0.0588	0.029	0.2086	0.2964
1387	19.8	19.7	0.3731	2.4509	0.2234	3.0473	0.0569	0.0284	0.2088	0.2942
1388	19.8	19.7	0.3729	2.4507	0.2244	3.048	0.0603	0.0443	0.1996	0.3042
1389	19.9	19.7	0.3725	2.45	0.2259	3.0484	0.0617	0.0501	0.2015	0.3133
1390	20	19.7	0.3722	2.4495	0.2266	3.0484	0.063	0.0519	0.2079	0.3228
1391	19.8	19.7	0.3723	2.4496	0.2266	3.0485	0.0635	0.0494	0.2126	0.3254
1392	19.7	19.6	0.3723	2.4497	0.227	3.049	0.06	0.0523	0.2097	0.3219
1393	19.1	19.6	0.3732	2.4495	0.2264	3.0491	0.0585	0.0692	0.198	0.3257
1394	19.5	19.6	0.3725	2.4484	0.2268	3.0477	0.0542	0.068	0.1961	0.3183
1395	19.9	19.5	0.3718	2.4485	0.2271	3.0473	0.0449	0.061	0.1946	0.3004
1396	19.6	19.5	0.3711	2.4489	0.2272	3.0471	0.0499	0.0629	0.1833	0.2961
1397	19.2	19.4	0.3707	2.4494	0.2273	3.0475	0.0494	0.0608	0.1754	0.2857

1398	19.4	19.4	0.371	2.45	0.2272	3.0481	0.0475	0.0638	0.1687	0.28
1399	19.9	19.3	0.3712	2.4505	0.2261	3.0478	0.0442	0.0635	0.1684	0.2761
1400	19.9	19.3	0.3705	2.4507	0.225	3.0462	0.045	0.0694	0.1697	0.2841
1401	19.2	19.3	0.3699	2.4513	0.2244	3.0456	0.0436	0.0771	0.1669	0.2876
1402	18.9	19.2	0.3701	2.4512	0.2239	3.0451	0.0599	0.0685	0.149	0.2774
1403	19.1	19.2	0.3702	2.4512	0.2234	3.0447	0.0697	0.058	0.1558	0.2835
1404	19.2	19.2	0.3702	2.451	0.2233	3.0445	0.0741	0.0528	0.1654	0.2923
1405	18.9	19.1	0.3702	2.451	0.2231	3.0443	0.0795	0.0537	0.1698	0.303
1406	18.4	19.1	0.3706	2.451	0.2224	3.0441	0.0864	0.0451	0.1759	0.3074
1407	18.6	19.1	0.3709	2.4499	0.2223	3.0431	0.0905	0.0386	0.1848	0.3139
1408	19.1	19.1	0.3711	2.4495	0.2221	3.0427	0.0938	0.044	0.1765	0.3142
1409	18.9	19.1	0.3708	2.449	0.222	3.0418	0.0983	0.0546	0.1672	0.32
1410	19.2	19.1	0.371	2.4488	0.2217	3.0414	0.0988	0.0596	0.1593	0.3177
1411	19.4	19.1	0.3709	2.4485	0.2212	3.0406	0.0974	0.0608	0.1613	0.3196
1412	19.2	19.2	0.3709	2.4478	0.2208	3.0395	0.0924	0.0613	0.1647	0.3183
1413	18.7	19.2	0.3712	2.447	0.2206	3.0387	0.0916	0.0633	0.1695	0.3244
1414	18.8	19.1	0.3715	2.4469	0.2205	3.0389	0.0923	0.0523	0.1672	0.3118
1415	19.4	19.1	0.3723	2.4468	0.2208	3.0399	0.0893	0.0527	0.1655	0.3075
1416	19	19.1	0.3722	2.4464	0.2206	3.0392	0.0832	0.0577	0.1668	0.3076
1417	19.8	19.1	0.3726	2.4459	0.2206	3.039	0.081	0.064	0.1681	0.3131
1418	19.4	19.2	0.3729	2.4453	0.2209	3.0391	0.0805	0.0596	0.1651	0.3052
1419	19.1	19.2	0.373	2.4448	0.2212	3.039	0.0779	0.0689	0.1599	0.3067
1420	19.6	19.2	0.373	2.4446	0.2213	3.0389	0.0735	0.0729	0.1535	0.2999
1421	20	19.2	0.3731	2.4449	0.2212	3.0392	0.0757	0.0755	0.1505	0.3016
1422	19.3	19.2	0.373	2.4452	0.2205	3.0387	0.0727	0.0715	0.146	0.2902
1423	18.9	19.3	0.3727	2.4453	0.2203	3.0383	0.0734	0.0625	0.1494	0.2854
1424	18.8	19.3	0.3721	2.4452	0.2206	3.038	0.074	0.0461	0.1517	0.2718
1425	18.4	19.3	0.372	2.4457	0.2201	3.0378	0.0752	0.0373	0.1532	0.2657
1426	18.8	19.3	0.3718	2.4462	0.2197	3.0376	0.0739	0.0461	0.1492	0.2693
1427	19.4	19.3	0.3715	2.4465	0.2195	3.0374	0.0722	0.0498	0.1438	0.2658
1428	19.8	19.3	0.3711	2.4465	0.2195	3.0372	0.073	0.048	0.1412	0.2622
1429	19.7	19.4	0.3708	2.4463	0.2197	3.0368	0.0693	0.0482	0.138	0.2555
1430	19.1	19.4	0.3704	2.4467	0.2193	3.0364	0.0659	0.0502	0.1412	0.2572
1431	19.2	19.4	0.3699	2.447	0.2188	3.0357	0.0611	0.0574	0.1369	0.2554
1432	19.8	19.4	0.3694	2.4471	0.2179	3.0344	0.0633	0.0667	0.1348	0.2648
1433	19.2	19.4	0.3691	2.447	0.2186	3.0347	0.0714	0.0822	0.1169	0.2705
1434	19	19.5	0.3691	2.4467	0.2194	3.0352	0.0778	0.0969	0.0929	0.2675

1435	19.6	19.5	0.3691	2.4465	0.2195	3.0352	0.084	0.0941	0.0854	0.2635
1436	19.8	19.5	0.3694	2.4465	0.2195	3.0354	0.0812	0.0919	0.0893	0.2624
1437	19.2	19.5	0.3694	2.4455	0.22	3.0348	0.0792	0.0871	0.0919	0.2581
1438	20.3	19.5	0.3692	2.4454	0.2197	3.0343	0.0718	0.085	0.094	0.2508
1439	19.8	19.4	0.3689	2.4453	0.2191	3.0334	0.0703	0.0815	0.1088	0.2606
1440	19.8	19.4	0.3686	2.4454	0.2185	3.0325	0.0673	0.0715	0.1304	0.2692
1441	19.7	19.4	0.3684	2.4452	0.2182	3.0319	0.0634	0.0588	0.1395	0.2617
1442	19.7	19.3	0.3683	2.4452	0.2177	3.0312	0.0646	0.0603	0.1388	0.2636
1443	19.7	19.3	0.3682	2.4453	0.2172	3.0307	0.066	0.0635	0.1471	0.2766
1444	18.9	19.3	0.3683	2.4453	0.2171	3.0306	0.0766	0.0652	0.143	0.2848
1445	19.3	19.3	0.3682	2.4449	0.2178	3.0309	0.0731	0.0567	0.1479	0.2778
1446	19.4	19.2	0.3686	2.4447	0.218	3.0313	0.0695	0.0583	0.1533	0.2811
1447	18.9	19.2	0.3687	2.4438	0.2182	3.0307	0.0626	0.0634	0.1576	0.2835
1448	18.8	19.2	0.3688	2.4437	0.2179	3.0304	0.0599	0.0679	0.1616	0.2893
1449	19	19.1	0.3686	2.4438	0.2176	3.03	0.0665	0.0821	0.1625	0.3111
1450	19	19.1	0.3682	2.4436	0.2175	3.0293	0.0737	0.0812	0.1507	0.3057
1451	18.6	19.1	0.3682	2.444	0.2169	3.0291	0.0671	0.0787	0.1423	0.2881
1452	18	19.1	0.3676	2.444	0.2161	3.0278	0.0595	0.084	0.1406	0.2841
1453	19.2	19.1	0.3673	2.4442	0.2158	3.0273	0.0614	0.0824	0.1391	0.2828
1454	19.4	19.2	0.3672	2.4441	0.2156	3.0269	0.0664	0.0804	0.139	0.2858
1455	18.8	19.2	0.3671	2.4447	0.2149	3.0267	0.0683	0.0831	0.1454	0.2968
1456	19	19.2	0.3667	2.4447	0.2146	3.0261	0.0675	0.0841	0.1466	0.2982
1457	19.4	19.2	0.3664	2.4444	0.2146	3.0254	0.0718	0.0867	0.1436	0.3022
1458	19	19.3	0.3663	2.4441	0.2147	3.0251	0.0737	0.0773	0.1491	0.3002
1459	18.6	19.3	0.3662	2.4438	0.2148	3.0247	0.0724	0.0748	0.1536	0.3008
1460	20.2	19.4	0.3661	2.4435	0.2144	3.024	0.0659	0.071	0.1548	0.2917
1461	19.9	19.5	0.3664	2.4433	0.2145	3.0242	0.0649	0.0647	0.1548	0.2844
1462	19.9	19.5	0.3665	2.4428	0.2144	3.0237	0.0559	0.0662	0.1593	0.2814
1463	19.7	19.5	0.3667	2.4429	0.2146	3.0241	0.05	0.063	0.1555	0.2684
1464	19.7	19.5	0.3671	2.4433	0.2146	3.0249	0.0497	0.0568	0.1533	0.2597
1465	19.9	19.5	0.3675	2.4434	0.2142	3.025	0.052	0.0583	0.1558	0.2661
1466	19.5	19.4	0.3676	2.4431	0.2137	3.0244	0.0598	0.0595	0.1637	0.283
1467	19.7	19.4	0.3676	2.4436	0.2136	3.0248	0.058	0.0532	0.1644	0.2755
1468	19.9	19.4	0.3676	2.4427	0.2138	3.0241	0.0598	0.043	0.1649	0.2677
1469	20.3	19.4	0.3677	2.4427	0.2141	3.0245	0.062	0.0367	0.1679	0.2666
1470	19.8	19.3	0.3675	2.443	0.2141	3.0247	0.0638	0.0289	0.1715	0.2642
1471	19.4	19.3	0.3673	2.4434	0.2142	3.0248	0.066	0.0263	0.1752	0.2676

1472	18.7	19.2	0.3672	2.4439	0.2141	3.0252	0.0678	0.0315	0.1769	0.2762
1473	18.2	19.2	0.367	2.4448	0.2139	3.0257	0.0646	0.0347	0.1707	0.27
1474	18.8	19.1	0.3669	2.4451	0.214	3.0259	0.0612	0.03	0.168	0.2592
1475	18.9	19	0.3668	2.4441	0.2145	3.0254	0.0578	0.0317	0.1679	0.2574
1476	19.1	19	0.3667	2.4437	0.215	3.0254	0.061	0.0362	0.1631	0.2603
1477	18.6	18.9	0.3666	2.4436	0.215	3.0252	0.0655	0.0416	0.1615	0.2686
1478	18.4	18.9	0.3667	2.4433	0.215	3.0249	0.0655	0.045	0.1624	0.2729
1479	18.9	18.8	0.3668	2.443	0.2147	3.0244	0.0603	0.0436	0.1635	0.2674
1480	19.1	18.8	0.367	2.4429	0.2143	3.0242	0.0571	0.0394	0.1646	0.2611
1481	18.5	18.8	0.367	2.443	0.214	3.024	0.0502	0.0419	0.1621	0.2542
1482	18.5	18.8	0.3665	2.4429	0.2137	3.0231	0.0432	0.0471	0.1552	0.2455
1483	18.8	18.8	0.3663	2.442	0.2141	3.0224	0.0377	0.0458	0.1475	0.231
1484	18.1	18.8	0.3661	2.4418	0.2143	3.0222	0.0342	0.0456	0.1585	0.2383
1485	18.5	18.8	0.3659	2.4419	0.2142	3.022	0.033	0.0442	0.1711	0.2483
1486	19	18.8	0.3659	2.4421	0.2141	3.0221	0.0351	0.0445	0.1762	0.2558
1487	19.1	18.8	0.3659	2.4424	0.214	3.0223	0.0402	0.0488	0.1813	0.2703
1488	19	18.8	0.3659	2.4426	0.2136	3.022	0.0418	0.0399	0.1867	0.2684
1489	19	18.7	0.3658	2.4428	0.2129	3.0215	0.0348	0.0435	0.1894	0.2676
1490	19.4	18.7	0.3659	2.4436	0.2127	3.0222	0.0329	0.0425	0.187	0.2623
1491	18.8	18.7	0.3658	2.4436	0.2127	3.0221	0.0324	0.0421	0.1833	0.2578
1492	18.9	18.7	0.3657	2.4433	0.2123	3.0214	0.03	0.0468	0.1825	0.2594
1493	19	18.6	0.3655	2.443	0.2121	3.0206	0.0271	0.0558	0.1808	0.2637
1494	18.6	18.7	0.3652	2.4428	0.212	3.0199	0.0321	0.057	0.1759	0.265
1495	18.3	18.7	0.3648	2.4426	0.2118	3.0192	0.0389	0.0566	0.1777	0.2732
1496	18.9	18.6	0.3648	2.4425	0.2114	3.0188	0.0371	0.055	0.1883	0.2804
1497	18.9	18.6	0.3648	2.4426	0.2112	3.0185	0.0419	0.0509	0.1891	0.2819
1498	17.3	18.6	0.3643	2.4418	0.2109	3.017	0.0437	0.0376	0.1959	0.2772
1499	18.2	18.6	0.3638	2.4424	0.2111	3.0173	0.0434	0.0358	0.1917	0.271
1500	18.7	18.6	0.3638	2.4428	0.2108	3.0174	0.0425	0.0356	0.1884	0.2665
1501	18.4	18.6	0.364	2.4428	0.2104	3.0172	0.0414	0.0304	0.1889	0.2606
1502	18.1	18.5	0.3639	2.443	0.21	3.0169	0.0418	0.0308	0.1829	0.2555
1503	18.3	18.5	0.3635	2.4432	0.2095	3.0162	0.0373	0.0301	0.1774	0.2449
1504	18.5	18.5	0.3633	2.4427	0.2088	3.0148	0.0363	0.0353	0.1736	0.2452
1505	18.9	18.5	0.3635	2.4426	0.2084	3.0145	0.0376	0.0376	0.1715	0.2468
1506	18.8	18.5	0.3634	2.4424	0.2081	3.0139	0.0349	0.0448	0.1642	0.2439
1507	18.7	18.5	0.3636	2.4422	0.2074	3.0131	0.0323	0.0474	0.1627	0.2424
1508	18.5	18.5	0.3639	2.442	0.2067	3.0126	0.0318	0.0451	0.1649	0.2419

1509	18.6	18.6	0.3642	2.4419	0.2065	3.0127	0.0321	0.0432	0.163	0.2382
1510	19	18.6	0.3645	2.4423	0.2062	3.013	0.0329	0.0407	0.1676	0.2412
1511	18.4	18.6	0.3654	2.4419	0.2053	3.0125	0.0296	0.0438	0.1682	0.2416
1512	18.4	18.6	0.3659	2.4415	0.2052	3.0127	0.0316	0.0461	0.1705	0.2482
1513	18.4	18.6	0.3662	2.4413	0.2052	3.0127	0.0325	0.0421	0.1698	0.2444
1514	18.4	18.6	0.3663	2.4411	0.205	3.0123	0.0335	0.046	0.1739	0.2534
1515	18.6	18.5	0.3663	2.4408	0.2044	3.0116	0.0348	0.0534	0.1792	0.2674
1516	18.5	18.5	0.3664	2.441	0.2042	3.0117	0.0356	0.0491	0.1766	0.2613
1517	18.9	18.5	0.3666	2.4416	0.2041	3.0123	0.0321	0.0388	0.1701	0.241
1518	18.9	18.5	0.3667	2.4417	0.2041	3.0125	0.0355	0.0431	0.1769	0.2555
1519	18.9	18.6	0.3666	2.442	0.204	3.0126	0.036	0.0318	0.175	0.2428
1520	18.7	18.6	0.3664	2.442	0.2038	3.0121	0.0362	0.029	0.1779	0.2431
1521	18.5	18.6	0.3663	2.4417	0.2035	3.0116	0.0348	0.0291	0.181	0.245
1522	18.3	18.6	0.3665	2.4417	0.2034	3.0117	0.0336	0.0292	0.1824	0.2452
1523	17.9	18.6	0.3666	2.4423	0.2035	3.0124	0.0306	0.0334	0.1807	0.2447
1524	17.7	18.5	0.3663	2.442	0.2038	3.0122	0.0319	0.0456	0.1786	0.2561
1525	18.5	18.6	0.3659	2.4421	0.2038	3.0118	0.0287	0.0483	0.1803	0.2573
1526	18.8	18.5	0.3652	2.442	0.2035	3.0108	0.025	0.0377	0.1873	0.25
1527	19.1	18.5	0.3649	2.442	0.2033	3.0101	0.023	0.0343	0.1929	0.2503
1528	19.3	18.4	0.3651	2.4422	0.2032	3.0104	0.0242	0.0331	0.1952	0.2526
1529	18.8	18.4	0.365	2.4424	0.2032	3.0106	0.0246	0.0288	0.2029	0.2564
1530	18.9	18.3	0.3654	2.4425	0.2031	3.011	0.0272	0.0242	0.2015	0.253
1531	18.1	18.3	0.3656	2.4423	0.2033	3.0112	0.0325	0.0291	0.2063	0.268
1532	17.7	18.3	0.3656	2.4425	0.2032	3.0113	0.0334	0.0323	0.2078	0.2735
1533	18.3	18.3	0.3657	2.4424	0.2027	3.0109	0.0272	0.0304	0.2077	0.2653
1534	18.7	18.3	0.3658	2.4423	0.2023	3.0103	0.0247	0.0213	0.2132	0.2591
1535	18.4	18.3	0.3656	2.442	0.2019	3.0096	0.0205	0.0344	0.2007	0.2556
1536	17.7	18.3	0.3654	2.4416	0.2014	3.0084	0.0163	0.0717	0.1596	0.2476
1537	17.8	18.2	0.3652	2.4415	0.2013	3.008	0.016	0.0609	0.1694	0.2462
1538	17.7	18.1	0.3657	2.4411	0.2008	3.0076	0.0182	0.0463	0.1741	0.2386
1539	18.2	18	0.3657	2.4411	0.2004	3.0071	0.0193	0.0328	0.1813	0.2334
1540	18.5	18	0.3654	2.4412	0.2002	3.0067	0.0212	0.0239	0.1838	0.2289
1541	18	18	0.3654	2.4406	0.1999	3.0059	0.0258	0.022	0.1855	0.2333
1542	17.4	18	0.3656	2.4396	0.1997	3.0049	0.0276	0.0146	0.1884	0.2305
1543	17.9	18	0.365	2.4396	0.1996	3.0042	0.0293	0.0152	0.1928	0.2374
1544	18.6	18	0.3644	2.4396	0.1993	3.0033	0.025	0.0062	0.1934	0.2246
1545	18.1	18	0.3645	2.4394	0.1989	3.0028	0.0224	0.0051	0.1964	0.2239

1546	17.6	18.1	0.3644	2.4396	0.1991	3.0031	0.021	0.0044	0.1977	0.2231
1547	17.4	18.1	0.3643	2.44	0.1987	3.003	0.023	0.0058	0.1967	0.2255
1548	17.9	18.1	0.3644	2.4401	0.1987	3.0033	0.0241	0.015	0.1953	0.2345
1549	17.9	18.2	0.3643	2.4402	0.1988	3.0033	0.0184	0.014	0.1949	0.2273
1550	17.7	18.2	0.3641	2.4406	0.1986	3.0032	0.0176	0.0181	0.1948	0.2305
1551	18	18.2	0.364	2.4409	0.1986	3.0035	0.0168	0.0187	0.1969	0.2324
1552	18.9	18.2	0.3639	2.441	0.1984	3.0033	0.0168	0.0185	0.1964	0.2317
1553	19.1	18.2	0.3637	2.4406	0.1984	3.0028	0.0152	0.0184	0.1945	0.2281
1554	18.6	18.2	0.3635	2.4404	0.1984	3.0022	0.012	0.0186	0.1915	0.222
1555	18	18.2	0.3636	2.4402	0.1985	3.0023	0.0114	0.015	0.1849	0.2113
1556	18.1	18.2	0.3635	2.44	0.1983	3.0019	0.014	0.0188	0.1781	0.2109
1557	18.5	18.3	0.3632	2.4399	0.1981	3.0013	0.0141	0.012	0.1739	0.2001
1558	18.8	18.3	0.3631	2.4398	0.1984	3.0013	0.0156	0.0069	0.1704	0.1929
1559	19.1	18.4	0.3629	2.4397	0.198	3.0006	0.0198	0.0041	0.1635	0.1874
1560	18.6	18.4	0.3631	2.4391	0.1976	2.9999	0.0254	0.0038	0.1599	0.1891
1561	18	18.5	0.3633	2.4387	0.1974	2.9994	0.0282	0.0086	0.1565	0.1932
1562	17.7	18.5	0.3632	2.4386	0.1975	2.9993	0.0352	0.0023	0.1483	0.1858
1563	18.1	18.4	0.3633	2.4383	0.1972	2.9988	0.0432	-0.0066	0.1475	0.1841
1564	18.4	18.4	0.3636	2.4379	0.1966	2.9982	0.0469	-0.0063	0.1484	0.189
1565	17.9	18.4	0.3639	2.4384	0.1965	2.9989	0.0458	-0.0092	0.1463	0.1829
1566	18.8	18.4	0.3644	2.4392	0.1967	3.0003	0.044	-0.0109	0.1437	0.1768
1567	18.2	18.4	0.364	2.4393	0.1959	2.9992	0.0423	-0.009	0.1429	0.1762
1568	18.7	18.4	0.364	2.4396	0.1963	2.9998	0.0399	-0.004	0.1424	0.1782
1569	18.8	18.4	0.364	2.4398	0.1963	3.0002	0.0362	-0.0011	0.1447	0.1797
1570	18.9	18.4	0.364	2.4401	0.196	3.0002	0.0329	0.0058	0.1503	0.189
1571	19.1	18.4	0.3639	2.4404	0.1959	3.0003	0.0323	0.0091	0.1472	0.1886
1572	18.1	18.4	0.3641	2.4406	0.196	3.0007	0.0248	0.0037	0.1501	0.1786
1573	18	18.4	0.3638	2.4403	0.196	3.0001	0.027	0.0018	0.1518	0.1805
1574	18.4	18.4	0.364	2.4403	0.1959	3.0002	0.0324	0.0074	0.1551	0.1949
1575	18.4	18.4	0.3643	2.4403	0.1958	3.0004	0.0343	0.0052	0.1608	0.2003
1576	18	18.4	0.3644	2.4403	0.1957	3.0004	0.0328	0.0042	0.16	0.197
1577	18.1	18.3	0.3642	2.4403	0.1955	3	0.0304	0.0011	0.1607	0.1922
1578	18.9	18.3	0.3642	2.4404	0.1947	2.9993	0.0261	0.0035	0.1633	0.193
1579	18.5	18.3	0.364	2.4406	0.1945	2.9991	0.0302	0.0033	0.1614	0.1949
1580	17.9	18.2	0.3637	2.44	0.1936	2.9974	0.0298	-0.0021	0.1639	0.1916
1581	17.7	18.1	0.3637	2.4398	0.1932	2.9966	0.032	-0.0043	0.1646	0.1923
1582	18	18	0.3637	2.4399	0.1929	2.9966	0.0316	-0.0054	0.1682	0.1944

1583	18.4	18.1	0.3638	2.4399	0.1928	2.9965	0.0295	-0.0074	0.1726	0.1947
1584	18.6	18	0.364	2.4384	0.1943	2.9967	0.0333	-0.0058	0.1635	0.191
1585	18.1	18	0.3643	2.4347	0.1982	2.9972	0.039	-0.0083	0.1638	0.1945
1586	17.8	18	0.3643	2.436	0.1972	2.9975	0.0421	-0.0121	0.1555	0.1854
1587	18.1	18	0.3641	2.4377	0.1966	2.9984	0.0402	-0.0183	0.1507	0.1725
1588	17.8	18	0.3639	2.4393	0.1954	2.9986	0.0405	-0.0221	0.1544	0.1728
1589	17.3	17.9	0.3637	2.4405	0.1945	2.9986	0.0483	-0.0304	0.1532	0.1712
1590	17.2	17.9	0.3633	2.4414	0.1941	2.9989	0.0445	-0.0326	0.1482	0.1602
1591	17.7	17.9	0.3631	2.4421	0.1939	2.9991	0.0409	-0.0238	0.1469	0.1639
1592	18.3	17.9	0.3628	2.4418	0.193	2.9976	0.0489	-0.0229	0.1427	0.1688
1593	18	17.9	0.363	2.4424	0.1928	2.9982	0.0521	-0.0262	0.1418	0.1677
1594	18.3	17.9	0.3629	2.4422	0.1924	2.9975	0.0467	-0.0267	0.1443	0.1643
1595	18.3	17.8	0.3627	2.4422	0.192	2.9969	0.0422	-0.0271	0.1455	0.1606
1596	17.9	17.8	0.3625	2.442	0.1918	2.9962	0.0442	-0.0239	0.1444	0.1647
1597	17.6	17.8	0.3623	2.4411	0.1916	2.9951	0.041	-0.0156	0.1466	0.172
1598	17.7	17.7	0.3625	2.4404	0.1914	2.9943	0.0375	-0.0024	0.1444	0.1794
1599	17.9	17.8	0.362	2.4406	0.1916	2.9942	0.0358	-0.0077	0.1494	0.1775
1600	17.9	17.8	0.3622	2.4409	0.1911	2.9942	0.0347	-0.015	0.1538	0.1736
1601	18.2	17.8	0.3623	2.441	0.1907	2.9941	0.0336	-0.0177	0.1542	0.1702
1602	18.1	17.8	0.3624	2.4411	0.1905	2.994	0.0355	-0.0178	0.1561	0.1737
1603	17.6	17.9	0.3623	2.4413	0.1903	2.994	0.0372	-0.019	0.1554	0.1736
1604	17.2	17.9	0.3622	2.4412	0.1903	2.9936	0.0313	-0.0216	0.1579	0.1676
1605	17.5	17.9	0.3621	2.4407	0.1906	2.9934	0.0295	-0.0261	0.1597	0.1632
1606	17.2	18	0.362	2.4412	0.1907	2.9939	0.0301	-0.0252	0.162	0.1669
1607	17.4	18	0.362	2.4415	0.1903	2.9938	0.0292	-0.0224	0.162	0.1688
1608	18.2	18	0.3619	2.4416	0.1904	2.9939	0.0268	-0.0221	0.1603	0.165
1609	18.1	18	0.3617	2.4415	0.1905	2.9938	0.0262	-0.026	0.161	0.1612
1610	17.7	18	0.3617	2.4414	0.1905	2.9937	0.0262	-0.033	0.1562	0.1494
1611	18.3	18	0.3618	2.4416	0.1904	2.9939	0.0303	-0.0386	0.1539	0.1455
1612	18.6	18	0.3616	2.4422	0.1905	2.9943	0.0358	-0.0427	0.1564	0.1495
1613	19.2	18	0.3615	2.4419	0.1904	2.9938	0.0317	-0.0461	0.1582	0.1438
1614	18.4	18	0.3617	2.442	0.1903	2.994	0.0302	-0.0518	0.1609	0.1393
1615	18.5	18	0.3619	2.4419	0.1901	2.9939	0.0315	-0.0566	0.1594	0.1343
1616	18.1	18.1	0.3622	2.4419	0.1899	2.994	0.0336	-0.0509	0.1567	0.1395
1617	17.8	18.1	0.3626	2.442	0.1899	2.9944	0.0395	-0.0424	0.1563	0.1535
1618	18.6	18.1	0.3631	2.4418	0.1896	2.9945	0.0349	-0.0435	0.1554	0.1469
1619	17.8	18	0.3633	2.4414	0.189	2.9937	0.0399	-0.0445	0.1629	0.1583

1620	17.5	18	0.3631	2.441	0.1891	2.9933	0.0415	-0.0418	0.1647	0.1644
1621	17.8	17.9	0.3638	2.4414	0.1885	2.9937	0.0419	-0.0416	0.16	0.1603
1622	17.8	17.9	0.3638	2.4416	0.1882	2.9936	0.0395	-0.0439	0.1586	0.1541
1623	17.8	17.7	0.3634	2.4416	0.188	2.9929	0.04	-0.0481	0.1607	0.1526
1624	17.8	17.7	0.3629	2.4415	0.1878	2.9922	0.0398	-0.0569	0.1615	0.1444
1625	17.6	17.6	0.3626	2.4417	0.1878	2.9921	0.0435	-0.062	0.1663	0.1478
1626	18.1	17.6	0.3622	2.4419	0.1875	2.9916	0.0525	-0.0574	0.165	0.1601
1627	17.6	17.5	0.3623	2.4416	0.1869	2.9908	0.0591	-0.0578	0.1637	0.1649
1628	17	17.4	0.3621	2.4418	0.1871	2.991	0.0573	-0.0571	0.1675	0.1676
1629	17.3	17.4	0.3621	2.4426	0.1868	2.9915	0.06	-0.0542	0.1627	0.1685
1630	17.4	17.4	0.3622	2.4429	0.1866	2.9918	0.0613	-0.0533	0.1608	0.1688
1631	16.9	17.3	0.3624	2.4429	0.1864	2.9917	0.0574	-0.0586	0.1525	0.1513
1632	16.5	17.2	0.3627	2.4433	0.1859	2.9918	0.0542	-0.0566	0.1498	0.1474
1633	17.4	17.2	0.3624	2.443	0.1864	2.9918	0.0574	-0.0537	0.147	0.1507
1634	17.7	17.2	0.3619	2.4431	0.1859	2.9909	0.0575	-0.048	0.144	0.1535
1635	16.9	17.1	0.3614	2.4433	0.1864	2.991	0.0597	-0.0587	0.1595	0.1605
1636	17	17.1	0.3614	2.4434	0.1863	2.9911	0.063	-0.0909	0.1999	0.172
1637	16.9	17.1	0.3611	2.4437	0.1859	2.9907	0.0619	-0.0744	0.1938	0.1812
1638	16.7	17.1	0.3609	2.4441	0.1854	2.9904	0.0563	-0.0565	0.1937	0.1935
1639	17.4	17.1	0.3612	2.4443	0.1856	2.9911	0.0493	-0.0412	0.1784	0.1865
1640	16	17.2	0.3613	2.4435	0.1855	2.9903	0.0429	-0.027	0.1729	0.1888
1641	16.7	17.2	0.3606	2.4428	0.1857	2.9891	0.0376	-0.0159	0.1727	0.1944
1642	17.2	17.3	0.3604	2.4422	0.1855	2.9881	0.0336	-0.0053	0.1719	0.2003
1643	17.4	17.3	0.3603	2.4423	0.1851	2.9877	0.0289	-0.0044	0.1649	0.1894
1644	17.5	17.3	0.3602	2.4423	0.1847	2.9872	0.0305	-0.0021	0.1682	0.1965
1645	17.5	17.3	0.3601	2.4418	0.1845	2.9864	0.0319	-0.0077	0.1662	0.1903
1646	17	17.4	0.3603	2.4411	0.1845	2.9859	0.0324	-0.0077	0.1599	0.1845
1647	17.4	17.5	0.3606	2.4403	0.1842	2.9851	0.032	-0.0059	0.1551	0.1812
1648	17.8	17.5	0.3608	2.4409	0.1838	2.9856	0.0306	-0.0096	0.1586	0.1796
1649	17.7	17.6	0.3608	2.4417	0.1834	2.986	0.0343	-0.0134	0.1588	0.1797
1650	18	17.8	0.3607	2.4423	0.1832	2.9862	0.0317	-0.0161	0.163	0.1786
1651	18.1	17.8	0.3604	2.4427	0.183	2.9862	0.0351	-0.0169	0.1609	0.179
1652	17.3	17.9	0.3602	2.4429	0.1829	2.9859	0.038	-0.0166	0.1585	0.1799
1653	17.3	17.9	0.3606	2.4428	0.1826	2.986	0.0384	-0.0115	0.156	0.1829
1654	18.1	17.9	0.3605	2.443	0.1824	2.9859	0.0426	-0.0091	0.1534	0.1869
1655	18.2	17.9	0.3606	2.4427	0.1823	2.9856	0.0418	-0.0087	0.1527	0.1858
1656	18.1	18	0.3606	2.4423	0.1821	2.985	0.0448	-0.0079	0.159	0.1959

1657	18.3	18	0.3606	2.4421	0.1821	2.9848	0.0478	0.002	0.1629	0.2126
1658	18.7	18	0.3605	2.4424	0.1823	2.9852	0.047	0.0065	0.159	0.2126
1659	18.7	18	0.3603	2.443	0.1824	2.9857	0.0457	0.0101	0.1589	0.2147
1660	17.9	18	0.3601	2.443	0.1822	2.9853	0.0423	0.0125	0.1622	0.217
1661	18.4	18	0.3597	2.443	0.1818	2.9845	0.0447	0.0164	0.1664	0.2276
1662	18.1	17.9	0.3601	2.4432	0.1816	2.9849	0.0469	0.0236	0.1688	0.2393
1663	17.7	17.9	0.3603	2.4435	0.1811	2.9849	0.0447	0.031	0.1737	0.2494
1664	17.5	17.9	0.3604	2.4436	0.1807	2.9847	0.0447	0.0288	0.1767	0.2502
1665	17.6	17.8	0.3605	2.4435	0.1809	2.9849	0.0452	0.0347	0.1743	0.2542
1666	17.8	17.7	0.3604	2.4434	0.181	2.9849	0.0456	0.0328	0.1748	0.2532
1667	18.2	17.7	0.3606	2.4436	0.1804	2.9846	0.0473	0.0385	0.1752	0.2609
1668	17.7	17.6	0.36	2.444	0.18	2.984	0.0497	0.0431	0.1752	0.2681
1669	18	17.6	0.3599	2.444	0.1798	2.9838	0.0529	0.0405	0.1726	0.266
1670	17.4	17.5	0.3598	2.4443	0.18	2.9842	0.0558	0.0329	0.1682	0.2569
1671	17.1	17.5	0.36	2.4448	0.1801	2.9849	0.0542	0.0305	0.1748	0.2596
1672	17.5	17.4	0.3601	2.4454	0.1799	2.9854	0.0603	0.0354	0.1683	0.2641
1673	17.4	17.4	0.3599	2.4459	0.1799	2.9857	0.0595	0.0376	0.1668	0.2639
1674	15.9	17.4	0.3597	2.4465	0.1793	2.9854	0.0555	0.0348	0.1682	0.2585
1675	16.7	17.4	0.359	2.446	0.1793	2.9844	0.0519	0.0324	0.1696	0.2538
1676	17.5	17.4	0.3585	2.4461	0.1793	2.9839	0.0473	0.0375	0.1702	0.255
1677	17.9	17.3	0.3585	2.446	0.1787	2.9832	0.0374	0.0464	0.1658	0.2496
1678	17.6	17.4	0.3582	2.4458	0.1784	2.9825	0.0409	0.0479	0.1626	0.2514
1679	17.3	17.4	0.3579	2.4459	0.1784	2.9822	0.0379	0.0502	0.1691	0.2573
1680	17	17.4	0.358	2.4459	0.1784	2.9823	0.0362	0.0601	0.1711	0.2674
1681	17.1	17.4	0.3582	2.4455	0.1782	2.9819	0.0367	0.0679	0.1718	0.2764
1682	17.8	17.4	0.358	2.4453	0.1782	2.9815	0.0382	0.0649	0.1722	0.2754
1683	17.3	17.5	0.3581	2.4447	0.1784	2.9812	0.0419	0.0637	0.1635	0.269
1684	17.3	17.5	0.358	2.4443	0.1783	2.9806	0.0409	0.0561	0.1703	0.2673
1685	17.2	17.6	0.358	2.4438	0.1782	2.98	0.0363	0.0539	0.1706	0.2608
1686	17.6	17.6	0.3581	2.4435	0.1778	2.9794	0.0314	0.0558	0.1776	0.2648
1687	18.5	17.6	0.3584	2.4434	0.1772	2.9791	0.0325	0.0591	0.1772	0.2689
1688	18.3	17.6	0.359	2.4434	0.1776	2.98	0.0321	0.0588	0.1743	0.2652
1689	17.2	17.6	0.3594	2.4432	0.1772	2.9798	0.0252	0.0551	0.1725	0.2528
1690	17.3	17.6	0.3596	2.443	0.1769	2.9794	0.0272	0.0548	0.1728	0.2548
1691	17.9	17.6	0.3597	2.4427	0.1767	2.979	0.029	0.0474	0.1704	0.2468
1692	18.2	17.6	0.3599	2.4422	0.1765	2.9787	0.0209	0.0417	0.1722	0.2348
1693	17.6	17.6	0.36	2.4426	0.1759	2.9785	0.0174	0.0402	0.169	0.2267

1694	18	17.6	0.3597	2.443	0.1758	2.9785	0.0238	0.0407	0.1672	0.2317
1695	18.1	17.6	0.3595	2.443	0.176	2.9785	0.0307	0.0348	0.169	0.2345
1696	17.8	17.6	0.3593	2.4426	0.1763	2.9781	0.0279	0.0294	0.1642	0.2215
1697	17.2	17.5	0.3593	2.4421	0.1758	2.9771	0.0292	0.0242	0.1652	0.2187
1698	17.1	17.4	0.359	2.4418	0.1755	2.9763	0.0332	0.0154	0.1644	0.213
1699	17.4	17.5	0.3589	2.4422	0.1753	2.9763	0.0372	0.0214	0.1564	0.215
1700	17.4	17.5	0.3586	2.4426	0.175	2.9763	0.0404	0.0344	0.1498	0.2246
1701	17.2	17.4	0.3585	2.4427	0.1749	2.9761	0.0399	0.0413	0.1458	0.227
1702	17	17.4	0.3586	2.4423	0.1749	2.9758	0.0373	0.0409	0.1477	0.226
1703	17.9	17.4	0.3581	2.4422	0.175	2.9753	0.04	0.0393	0.1486	0.2279
1704	17.3	17.4	0.358	2.4421	0.175	2.9751	0.0464	0.0362	0.1492	0.2317
1705	17.1	17.4	0.3576	2.4415	0.1747	2.9738	0.0425	0.0376	0.1512	0.2313
1706	17.1	17.4	0.3572	2.441	0.1744	2.9726	0.0436	0.0366	0.1522	0.2324
1707	16.6	17.4	0.3573	2.4409	0.1744	2.9726	0.043	0.0306	0.1503	0.2239
1708	17.7	17.5	0.3573	2.4406	0.1745	2.9724	0.0401	0.0288	0.151	0.2199
1709	17.3	17.5	0.3575	2.4403	0.1743	2.9721	0.0413	0.0298	0.1525	0.2236
1710	17.3	17.5	0.3572	2.4398	0.1739	2.9709	0.0403	0.0339	0.1523	0.2265
1711	17.3	17.5	0.3572	2.4393	0.1735	2.97	0.0394	0.0338	0.151	0.2242
1712	17.5	17.6	0.3571	2.4391	0.1731	2.9693	0.0372	0.0356	0.1482	0.2209
1713	18	17.6	0.357	2.439	0.1727	2.9688	0.0425	0.0379	0.1489	0.2293
1714	18.2	17.6	0.3572	2.4385	0.1729	2.9686	0.049	0.0337	0.1529	0.2356
1715	18	17.5	0.3574	2.4387	0.1726	2.9686	0.0527	0.0342	0.1482	0.2351
1716	17.9	17.6	0.3575	2.4381	0.1724	2.9679	0.0571	0.0367	0.1524	0.2462
1717	17.6	17.6	0.3576	2.4377	0.1723	2.9676	0.0587	0.0394	0.1548	0.2529
1718	17.5	17.6	0.3578	2.4377	0.1724	2.9679	0.0607	0.0425	0.1448	0.248
1719	17.9	17.5	0.3577	2.4381	0.1722	2.968	0.0561	0.0423	0.1418	0.2401
1720	17.8	17.5	0.3577	2.438	0.1716	2.9673	0.0584	0.0466	0.1463	0.2513
1721	18.1	17.4	0.3578	2.4378	0.1717	2.9673	0.0584	0.0499	0.1508	0.2591
1722	17.6	17.4	0.3579	2.4378	0.1716	2.9672	0.0593	0.0547	0.155	0.269
1723	17.2	17.3	0.3578	2.4381	0.1712	2.9671	0.0587	0.0609	0.1559	0.2755
1724	17.1	17.2	0.3577	2.4383	0.1708	2.9668	0.0559	0.0675	0.1549	0.2782
1725	17.2	17.1	0.3579	2.4379	0.1708	2.9666	0.0563	0.0729	0.1504	0.2797
1726	17.3	17	0.3585	2.4372	0.1709	2.9666	0.0496	0.069	0.1523	0.2709
1727	17.2	17	0.3582	2.4368	0.1707	2.9657	0.045	0.066	0.1549	0.2658
1728	16.9	16.9	0.3583	2.4368	0.1702	2.9652	0.0463	0.0613	0.1525	0.2601
1729	16.3	16.8	0.3584	2.4366	0.1697	2.9647	0.0427	0.0595	0.1498	0.2519
1730	16	16.8	0.3585	2.4361	0.1695	2.9641	0.0385	0.062	0.15	0.2505

1731	16.5	16.7	0.3586	2.4364	0.1692	2.9642	0.0384	0.0643	0.1499	0.2527
1732	16.3	16.7	0.3585	2.4369	0.1695	2.9649	0.0402	0.0624	0.1487	0.2512
1733	16.4	16.6	0.3583	2.4374	0.1694	2.9651	0.0373	0.0594	0.1516	0.2484
1734	16.4	16.6	0.3582	2.4377	0.1689	2.9648	0.0416	0.0511	0.1603	0.253
1735	16	16.6	0.3583	2.4377	0.1686	2.9646	0.0413	0.0466	0.1572	0.2452
1736	16.5	16.6	0.3581	2.4375	0.1686	2.9642	0.0422	0.0389	0.1567	0.2378
1737	16.2	16.6	0.3579	2.4378	0.1684	2.9642	0.0425	0.0324	0.1512	0.226
1738	16.4	16.5	0.3584	2.4386	0.1682	2.9652	0.0427	0.0307	0.1448	0.2182
1739	16.8	16.6	0.3585	2.4388	0.1683	2.9657	0.0454	0.0338	0.1539	0.233
1740	16.9	16.7	0.3584	2.4388	0.1685	2.9657	0.0441	0.0375	0.15	0.2316
1741	16.9	16.7	0.3585	2.4387	0.1684	2.9656	0.0481	0.0367	0.1459	0.2308
1742	16.8	16.8	0.3587	2.4382	0.1686	2.9654	0.0542	0.038	0.1444	0.2366
1743	16.9	16.8	0.358	2.4382	0.1684	2.9646	0.0565	0.0377	0.1514	0.2456
1744	17.1	16.8	0.3571	2.4388	0.1678	2.9638	0.0559	0.0432	0.1492	0.2483
1745	17	16.9	0.3573	2.4389	0.1681	2.9642	0.0506	0.0469	0.1421	0.2395
1746	16.6	17	0.3574	2.4387	0.168	2.9641	0.0402	0.0419	0.1441	0.2262
1747	16.6	17.1	0.3573	2.4387	0.1678	2.9638	0.0352	0.0319	0.1532	0.2202
1748	17.1	17.1	0.3571	2.4388	0.1682	2.9641	0.0385	0.0231	0.1517	0.2132
1749	17.3	17.2	0.3568	2.4383	0.1684	2.9635	0.0458	0.0179	0.1521	0.2158
1750	17.5	17.2	0.3567	2.4382	0.1686	2.9635	0.0522	0.0216	0.1534	0.2272
1751	17.6	17.2	0.3567	2.4386	0.1683	2.9636	0.0522	0.0256	0.1536	0.2314
1752	17.1	17.3	0.3562	2.439	0.168	2.9631	0.0515	0.0264	0.1537	0.2316
1753	16.9	17.3	0.3559	2.4392	0.1677	2.9628	0.0524	0.023	0.1553	0.2306
1754	17.5	17.3	0.3563	2.4392	0.1673	2.9628	0.0478	0.0224	0.1578	0.2279
1755	17.9	17.3	0.3562	2.439	0.1671	2.9624	0.0476	0.0211	0.1595	0.2282
1756	18	17.4	0.3563	2.4392	0.1671	2.9626	0.044	0.0155	0.1581	0.2176
1757	17.3	17.4	0.3566	2.4392	0.167	2.9628	0.0405	0.0098	0.1565	0.2068
1758	17.3	17.5	0.3563	2.4394	0.1671	2.9628	0.0416	0.0087	0.1584	0.2087
1759	17.4	17.4	0.3563	2.4396	0.1672	2.963	0.0421	0.006	0.161	0.2091
1760	17.5	17.4	0.3562	2.4396	0.1671	2.9629	0.0444	0.0023	0.1609	0.2077
1761	17.5	17.4	0.356	2.4394	0.167	2.9624	0.0422	-0.0028	0.1578	0.1972
1762	17.5	17.5	0.3558	2.4394	0.1667	2.962	0.0419	-0.0086	0.1557	0.1889
1763	17.5	17.5	0.3554	2.4401	0.1658	2.9613	0.042	-0.011	0.1527	0.1837
1764	17.4	17.5	0.3552	2.4402	0.1659	2.9612	0.0416	-0.0115	0.1501	0.1802
1765	17.6	17.4	0.3548	2.4399	0.1656	2.9603	0.0439	-0.0179	0.1536	0.1796
1766	17.6	17.4	0.3546	2.4395	0.1656	2.9596	0.0463	-0.0162	0.1516	0.1817
1767	17.3	17.4	0.3545	2.4394	0.1659	2.9598	0.048	-0.0231	0.1511	0.176

1768	17	17.4	0.3544	2.4398	0.1658	2.96	0.0506	-0.0287	0.1525	0.1743
1769	17.6	17.4	0.3541	2.4394	0.1652	2.9586	0.053	-0.0281	0.1547	0.1796
1770	17.7	17.3	0.354	2.4393	0.165	2.9583	0.0527	-0.0242	0.1543	0.1829
1771	17.2	17.3	0.3541	2.4394	0.1646	2.958	0.0534	-0.0256	0.149	0.1768
1772	17.4	17.3	0.3542	2.4393	0.1643	2.9579	0.0552	-0.0281	0.1519	0.179
1773	17.6	17.3	0.3543	2.4392	0.1644	2.9578	0.0569	-0.0288	0.1523	0.1804
1774	16.4	17.2	0.354	2.4392	0.1643	2.9575	0.0568	-0.0255	0.1492	0.1805
1775	17.6	17.2	0.3541	2.4391	0.1641	2.9573	0.0566	-0.0231	0.1462	0.1797
1776	17.5	17.1	0.354	2.4395	0.1638	2.9573	0.0595	-0.0286	0.1484	0.1792
1777	17.3	17	0.3538	2.4399	0.1635	2.9572	0.068	-0.0379	0.1515	0.1817
1778	16.7	17	0.3539	2.4399	0.1635	2.9573	0.0654	-0.0441	0.1505	0.1718
1779	17	16.9	0.354	2.4397	0.1635	2.9572	0.0672	-0.0449	0.1453	0.1677
1780	17.4	16.9	0.3541	2.4395	0.1634	2.957	0.0705	-0.0483	0.1409	0.1631
1781	17.2	16.8	0.3542	2.4392	0.1633	2.9568	0.0726	-0.0557	0.1396	0.1565
1782	17	16.8	0.3543	2.4393	0.163	2.9566	0.0748	-0.0531	0.1382	0.1599
1783	16.4	16.7	0.3539	2.4396	0.1623	2.9559	0.074	-0.0464	0.145	0.1726
1784	16.1	16.8	0.3539	2.4396	0.1626	2.9561	0.0727	-0.0396	0.1444	0.1776
1785	16	16.8	0.3538	2.4399	0.1626	2.9563	0.0727	-0.0355	0.1393	0.1766
1786	16.2	16.7	0.3539	2.4402	0.1627	2.9568	0.0746	-0.0364	0.1371	0.1753
1787	16.4	16.7	0.3542	2.4403	0.1627	2.9572	0.0731	-0.0396	0.1393	0.1728
1788	16.3	16.7	0.3545	2.44	0.1622	2.9567	0.0716	-0.0352	0.1389	0.1753
1789	16.5	16.6	0.355	2.4394	0.1622	2.9566	0.0798	-0.0235	0.1372	0.1936
1790	16.6	16.6	0.3547	2.4393	0.1623	2.9563	0.083	-0.0196	0.1415	0.2049
1791	16.7	16.6	0.3543	2.4389	0.1622	2.9554	0.0829	-0.0207	0.1463	0.2084
1792	16.9	16.6	0.3543	2.4385	0.1614	2.9541	0.0854	-0.0233	0.1484	0.2105
1793	17.2	16.7	0.3544	2.4383	0.161	2.9537	0.0901	-0.0318	0.1535	0.2119
1794	17.1	16.7	0.3547	2.4383	0.1616	2.9545	0.0795	-0.0323	0.1532	0.2004
1795	16.6	16.8	0.3554	2.4388	0.1616	2.9558	0.0658	-0.0217	0.1458	0.1899
1796	16.7	16.8	0.3558	2.4394	0.1609	2.9561	0.0701	-0.0213	0.1527	0.2014
1797	16.3	16.7	0.3554	2.4398	0.1606	2.9558	0.0736	-0.0248	0.1531	0.2018
1798	16.5	16.7	0.3545	2.44	0.1603	2.9547	0.0724	-0.0252	0.1527	0.1999
1799	16.9	16.8	0.3536	2.44	0.1599	2.9536	0.0709	-0.0244	0.163	0.2096
1800	17	17	0.3534	2.44	0.1597	2.9532	0.0661	-0.0342	0.1709	0.2028