

Table S1. The molecular descriptors for the 578 molecules in the data set

No.	%FA	N_{rot}	n_{HBA}	n_{HBD}	$\log D_{6.5}$	$\log P$	MW	TPSA	MV	$N_{\text{rule-of-5}}$	$\log S$	N+
1	0	20	16	16	-10.99	-4.00	552.62	374.50	297.27	3	0.26	0
2	0	5	11	4	-3.91	-0.34	461.49	296.62	173.45	1	-3.51	0
3	0	10	13	5	-2.17	2.55	584.67	312.84	304.48	3	-6.20	0
4	0	13	12	11	-8.15	-1.89	477.6	366.89	199.73	2	0.32	0
5	0	12	11	10	-5.92	-0.63	448.55	342.71	187.7	2	0.35	0
6	0	6	15	9	-7.29	-2.81	460.4	213.43	268.08	2	-3.31	0
7	0	6	8	3	-5.06	-2.59	383.46	268.88	135.48	0	-1.10	0
8	0	6	13	3	-4.76	-1.18	539.58	330.41	207.18	2	-3.60	0
9	0	14	12	11	-7.95	-2.00	475.58	358.84	199.73	2	0.32	0
10	0	10	6	6	-0.53	2.47	340.42	281.49	118.2	1	-3.83	0
11	0	19	16	11	-2.50	-2.50	504.44	277.89	268.68	3	-1.20	0
12	0	7	10	5	-1.33	-1.33	265.22	142.51	151.92	2	-0.06	0
13	0	16	14	15	-9.58	-3.41	467.51	305.94	268.17	2	0.33	0
14	0	23	33	21	-4.84	-1.44	1449.25	874.69	530.49	3	-6.74	0
15	1	7	8	7	-7.58	-3.52	249.10	134.11	180.93	1	0.60	0
16	1	7	13	5	-5.42	-0.66	435.43	236.94	238.20	2	-3.45	0
17	1	8	15	5	-4.94	-0.24	554.58	281.72	291.31	3	-4.88	0
18	1	13	11	8	-3.21	-3.22	342.30	192.83	189.53	2	0.02	0
19	1	5	8	5	-7.88	-2.94	283.11	151.35	167.80	1	-0.23	0
20	1	16	19	16	-7.14	-2.53	581.57	293.48	331.43	3	-2.17	0
21	2	22	19	14	-4.24	-4.16	645.60	369.79	321.17	3	-1.14	0
22	3	15	19	14	-1.44	1.07	940.08	686.33	339.84	3	-1.40	0
23	3	2	6	4	-7.57	-2.38	244.89	106.18	134.68	0	-0.66	0
24	3	5	8	2	-1.99	2.76	371.34	252.16	121.21	0	-5.71	0
25	3	23	19	19	-11.70	-4.41	628.67	396.39	353.11	3	0.20	0
26	5	14	12	7	-0.36	-0.36	457.43	287.62	202.32	2	-2.07	0
27	5	9	11	4	-2.19	1.28	453.49	270.76	209.98	1	-4.50	0
28	5	7	10	10	0.82	3.82	477.39	331.24	167.58	2	-5.30	0
29	5	3	6	3	-2.70	0.45	613.91	234.35	95.5	1	-3.12	0
30	5	11	10	4	-5.82	-0.43	292.24	186.61	155.68	1	0.53	0
31	5	3	7	5	-8.45	-3.53	206.03	97.42	154.91	1	0.61	0
32	5	7	7	4	-4.79	-2.29	299.35	183.87	141.52	0	-1.03	0
33	5	18	12	8	-4.16	-4.16	821.14	373.17	199.89	3	-1.57	0
34	5	14	11	4	-2.41	1.74	1215.81	459.11	160.49	2	-5.28	0
35	5	16	10	8	-0.42	3.39	444.48	306.52	163.18	2	-4.52	0
36	5	10	9	3	-0.45	3.17	470.51	366.26	125.40	0	-3.34	0
37	5	6	8	7	-7.65	-3.40	235.07	117.61	180.93	1	0.63	0
38	5	4	8	3	-1.42	1.54	403.43	252.66	162.08	0	-4.55	0
39	5	5	8	3	-1.38	0.68	355.39	221.98	162.08	0	-2.66	0

40	5	1	6	1	-4.94	-1.39	233.24	143.43	100.13	0	-1.95	0
41	5	5	8	3	-4.06	0.69	384.43	236.45	177.55	0	-3.06	0
42	10	9	12	2	-2.53	0.97	471.53	268.35	239.23	1	-5.26	0
43	11	4	5	2	-6.12	-2.63	181.21	135.54	91.85	0	0.48	0
44	20	7	8	3	-3.69	-0.15	389.45	289.31	110.18	0	-2.13	0
45	28	11	8	5	-1.04	0.91	406.54	313.26	147.79	1	-1.51	0
46	28	5	8	4	0.19	0.20	282.25	175.16	119.33	0	-2.60	0
47	30	5	6	3	-5.91	-2.47	183.1	115.80	107.88	0	0.71	0
48	32	3	7	3	-2.72	-2.00	243.19	114.74	98.37	0	-1.12	0
49	32	9	5	4	-1.31	1.29	309.4	260.03	81.95	0	-1.96	0
50	35	5	10	3	1.23	3.52	583.68	400.85	118.21	2	-5.11	0
51	40	6	7	3	-2.33	0.65	341.43	276.1	110.11	0	-1.98	0
52	41	7	9	8	-1.74	-0.40	337.45	183.55	237.75	1	-3.29	0
53	43	7	4	4	-2.49	0.13	211.26	176.08	72.72	0	-0.12	0
54	47	8	8	3	1.42	1.42	546.69	430.15	114.68	1	-3.18	0
55	48	5	4	4	-2.73	0.27	223.27	175.9	72.72	0	-0.31	0
56	50	9	5	4	-2.50	0.10	266.34	236.66	84.58	0	-1.29	0
57	50	13	14	3	2.16	2.17	557.6	352.53	234.51	2	-5.27	0
58	50	2	5	4	-1.91	0.09	207.23	147.82	80.36	0	-1.58	0
59	50	10	7	2	1.01	3.97	430.54	364.55	95.94	0	-3.81	0
60	54	0	5	5	-4.31	-2.31	129.16	100.79	88.99	1	0.89	0
61	55	7	4	5	-2.47	0.30	182.17	140.88	89.34	1	-0.01	0
62	55	10	8	2	0.20	4.74	435.52	359.13	112.07	0	-5.4	0
63	58	16	12	4	-3.77	-1.9	504.63	373.01	145.44	2	-2.5	0
64	58	8	11	8	-2.28	-0.13	460.43	268.17	201.85	2	-3.55	0
65	59	9	8	2	-2.11	0.73	417.5	330.31	99.18	0	-2.85	0
66	60	10	5	5	-0.11	1.09	303.35	234.84	92.95	1	-1.31	0
67	60	11	14	3	6.78	6.78	887.1	706.76	170.06	3	-4.38	0
68	60	2	5	1	0.47	1.67	315.36	225.37	59.00	0	-2.33	0
69	60	8	5	4	-2.82	-0.83	240.3	200.87	85.61	0	0.24	0
70	60	10	7	2	0.45	3.41	416.51	346.81	95.94	0	-3.60	0
71	60	4	5	1	2.26	4.00	412.94	301.43	76.71	0	-5.41	0
72	61	5	7	4	-0.45	2.59	330.74	205.81	131.01	0	-4.21	0
73	62	5	9	3	0.05	3.18	398.39	267.68	149.69	0	-5.29	0
74	63	7	4	4	-2.14	0.48	225.28	192.26	72.72	0	-0.38	0
75	65	3	6	4	-0.74	-0.74	338.77	211.56	117.87	0	-3.12	0
76	66	4	4	1	0.05	3.34	357.35	255.35	81.86	0	-4.75	0
77	67	1	7	4	0.36	0.36	331.29	197.36	135.12	0	-2.39	0
78	67	5	5	2	-1.96	0.67	295.4	237.62	73.58	0	-2.66	0
79	69	11	5	1	4.16	6.99	479.63	412.3	58.22	1	-6.35	0
80	70	0	4	1	1.13	1.13	256.09	144.19	44.70	0	-3.30	0
81	70	10	8	8	-2.46	-2.03	257.24	166.87	148.07	1	-0.27	0

82	70	4	2	2	3.13	5.08	376.13	238.92	29.26	1	-4.37	0
83	70	5	6	3	-2.16	1.89	319.35	253.22	95.86	0	-2.49	0
84	70	9	9	2	-0.68	-0.67	321.33	228.5	122.22	0	-3.37	0
85	70	4	5	2	1.03	1.03	231.25	191.59	67.16	0	-2.27	0
86	70	0	2	0	2.60	3.67	264.36	223.7	6.48	0	-4.26	0
87	70	7	4	0	0.97	3.14	279.37	274.19	38.77	0	-3.07	0
88	70	6	4	1	4.23	6.49	447.52	360.32	35.58	1	-6.36	0
89	71	6	4	3	-0.24	2.79	263.38	255.61	53.16	0	-3.36	0
90	72	5	10	4	-2.74	0.59	383.4	201.81	200.75	1	-4.09	0
91	72	1	4	3	-1.94	-1.84	102.09	79.86	64.35	0	0.89	0
92	73	4	3	1	4.81	6.64	424.08	248.08	50.44	1	-6.39	0
93	73	7	5	1	1.44	1.57	383.51	301.06	73.6	0	-3.58	0
94	75	6	5	1	-0.76	1.89	335.46	264.12	64.79	0	-3.65	0
95	75	3	6	2	-4.64	-1.98	199.16	120.26	87.07	0	0.70	0
96	75	7	8	0	2.99	3.55	531.43	384.99	69.06	1	-3.92	0
97	75	3	3	1	-4.69	-1.2	142.2	94.14	101.55	0	-0.13	0
98	75	9	6	3	-0.14	1.49	312.4	286.76	90.65	0	-1.82	0
99	75	2	4	2	0.40	0.40	218.25	191.7	58.20	0	-2.21	0
100	77	3	4	2	-1.08	0.79	301.38	222.21	52.93	0	-1.49	0
101	77	7	7	1	1.67	1.69	383.37	252.75	105.54	0	-4.25	0
102	77	5	1	0	2.59	5.43	279.85	271.31	3.24	1	-4.43	0
103	77	8	2	1	2.71	5.77	325.49	324.35	23.47	1	-4.54	0
104	78	2	4	4	1.06	2.57	231.08	154.47	74.26	0	-3.28	0
105	78	3	3	2	-0.16	2.76	378.31	273.4	45.15	0	-3.29	0
106	78	7	8	1	-0.25	2.28	387.48	307.42	68.36	0	-2.70	0
107	79	11	7	0	1.23	3.53	456.57	409.12	60.47	0	-3.75	0
108	80	4	6	2	-0.6	2.84	324.4	240.49	104.21	0	-4.08	0
109	80	0	5	2	-0.48	-0.48	136.11	71.96	70.14	0	-2.97	0
110	80	11	6	3	3.99	4.88	406.47	323.78	75.74	0	-5.14	0
111	80	5	3	0	-0.12	2.51	275.78	235.96	19.37	0	-3.16	0
112	80	2	6	1	2.34	2.34	315.71	209.93	87.28	0	-4.12	0
113	80	4	9	1	1.40	1.43	314.25	199.09	120.73	0	-5.44	0
114	80	3	4	2	3.72	3.72	248.3	186.08	83.50	0	-4.16	0
115	80	4	8	2	-1.01	2.60	453.87	283.75	138.04	0	-4.91	0
116	80	7	2	0	4.35	5.02	406.51	353.92	6.48	1	-5.01	0
117	80	6	2	1	1.12	4.09	309.33	266.73	21.26	0	-3.66	0
118	80	2	5	4	-1.99	0.01	213.28	153.19	80.36	0	-1.48	0
119	80	2	4	3	-0.89	-0.89	137.14	110.17	68.01	0	0.00	0
120	80	11	12	0	4.01	4.35	705.63	502.03	100.79	2	-6.48	0
121	80	3	4	4	-2.54	0.46	153.14	102.67	83.55	0	-0.98	0
122	80	7	2	0	1.76	4.20	309.45	306.5	20.31	0	-3.78	0
123	80	4	2	2	-1.23	1.72	165.23	166.81	35.25	0	-1.55	0

124	80	4	3	1	-0.51	2.54	233.31	218.03	38.33	0	-2.17	0
125	80	5	3	2	1.17	1.17	273.35	212.9	79.37	0	-2.47	0
126	80	4	2	0	2.82	2.82	228.29	210.5	26.3	0	-3.42	0
127	80	5	6	1	2.16	2.17	345.42	251.87	96.31	0	-3.95	0
128	80	6	6	3	-1.48	1.41	279.33	237.73	90.11	0	-1.81	0
129	80	3	3	3	-1.31	1.42	211.33	180.47	79.18	0	-1.9	0
130	80	5	4	1	0.8	3.4	324.42	266.37	45.59	0	-3.4	0
131	80	9	10	5	-2.02	-2.02	376.36	227.51	155.05	2	-2.01	0
132	80	5	1	0	6.05	6.61	291.43	289.15	3.24	1	-6.35	0
133	80	2	1	0	3.08	3.77	263.79	207.06	31.48	0	-3.79	0
134	80	4	2	0	1.79	4.44	298.45	267.84	31.78	0	-4.82	0
135	80	4	2	0	2.48	5.15	294.43	286.1	6.48	1	-4.91	0
136	80	6	1	1	6.84	6.84	286.45	300.03	20.23	1	-6.86	0
137	81	7	5	2	-0.13	2.9	414.34	322.09	59.59	0	-3.15	0
138	82	3	4	1	-1.59	1.19	180.16	139.59	63.6	0	-1.95	0
139	82	14	5	2	1.24	4.17	384.58	349.82	78.02	0	-3.01	0
140	82	5	5	3	1.99	1.99	374.47	291.48	94.83	0	-3.75	0
141	82	8	6	0	0.99	0.99	356.68	274.72	90.68	0	-1.56	0
142	83	7	5	4	-0.72	1.78	253.29	206.36	89.79	0	-1.23	0
143	83	1	4	1	0.32	0.41	211.22	164.01	65.78	0	-1.92	0
144	83	6	4	2	1.08	4.21	317.42	287.35	66.4	0	-4.01	0
145	84	1	4	1	2.06	2.06	316.15	196.45	54.35	0	-2.89	0
146	85	11	6	3	-0.61	1.95	336.43	300.67	87.66	0	-2.45	0
147	85	2	3	2	0.34	0.34	151.16	120.95	49.33	0	-0.93	0
148	85	2	5	5	0.96	2.48	253.73	196.49	83.79	1	-3.05	0
149	85	3	5	1	2.63	2.82	324.37	236.14	62.4	0	-3.69	0
150	85	6	4	4	-0.22	0.44	197.23	159.57	72.72	0	-0.05	0
151	85	5	5	1	2.76	2.76	369.36	245.86	87.08	0	-4.87	0
152	85	5	4	1	0.8	3.4	324.42	266.37	45.59	0	-3.4	0
153	85	9	4	2	1.21	2.91	313.39	279.14	58.56	0	-2.97	0
154	85	5	7	3	-0.52	1.84	362.4	256.03	118.31	0	-3.92	0
155	85	2	6	3	0.08	0.51	270.33	173.03	134.59	0	-2.7	0
156	85	1	4	1	1.44	3.44	343.21	234.88	39.99	0	-4.72	0
157	85	3	6	3	-1.3	-1.3	211.22	133.82	88.15	0	-1.02	0
158	86	3	6	3	-2.57	-2.57	231.27	132.24	113.45	0	-0.71	0
159	87	7	4	0	1.13	3.78	309.41	283.96	30.29	0	-4.31	0
160	87	4	2	1	2.58	3.31	239.74	224.69	29.1	0	-3.08	0
161	87	5	6	3	-0.9	0.07	252.34	198.24	114.19	0	-2.65	0
162	87	10	7	4	-0.09	1.83	424.98	327.24	127.56	0	-1.96	0
163	88	6	4	1	2.04	4.55	348.44	297.76	53.43	0	-3.76	0
164	88	7	2	0	3.88	3.88	296.54	246.02	121.26	0	-5.11	0
165	88	8	5	3	-0.6	2.22	299.8	257.8	67.59	0	-2.52	0

166	88	16	5	2	2.91	2.91	382.53	354.78	83.83	0	-3.6	0
167	88	6	7	1	2.14	2.67	427.52	324.9	96.41	0	-4.69	0
168	88	2	6	2	-0.96	0.84	241.68	158.12	71.43	0	-2.41	0
169	88	7	8	1	3.5	3.5	360.36	288.78	110.45	0	-4.46	0
170	88	4	7	3	-0.76	1.08	416.35	258.25	99.76	0	-3.57	0
171	89	2	4	1	-0.58	1.39	301.38	229.28	41.93	0	-2.38	0
172	89	7	6	1	-1.73	0.9	354.46	305.44	84.09	0	-2.21	0
173	89	2	5	2	0.72	1.04	320.75	202.95	108.71	0	-3.49	0
174	90	8	7	2	2.37	2.84	477.55	378.12	69.21	0	-4.67	0
175	90	1	1	2	-0.85	2.22	151.25	141.78	26.02	0	-2.36	0
176	90	3	1	2	-1.13	1.81	135.21	142.81	26.02	0	-1.42	0
177	90	0	2	0	2.49	4.97	290.4	257.47	16.13	0	-3.6	0
178	90	12	4	2	0.08	2.69	307.43	287.99	50.72	0	-2.58	0
179	90	13	5	2	-0.45	2.14	325.44	314.99	59.95	0	-1.67	0
180	90	0	3	1	2.19	2.19	169.57	114.05	38.33	0	-2.35	0
181	90	4	4	3	1.2	1.38	249.29	178.51	88.77	0	-2.9	0
182	90	5	5	3	1.87	1.87	392.46	296.21	94.83	0	-3.94	0
183	90	6	2	2	5.93	5.93	268.35	242.24	40.46	1	-4.88	0
184	90	3	3	2	1.3	4.44	250.2	174.1	57.53	0	-4.23	0
185	90	3	3	1	1.62	1.62	234.08	162.63	40.54	0	-1.69	0
186	90	6	5	1	-1.71	1.75	305.11	210.13	80.67	0	-3.1	0
187	90	7	6	4	1.2	1.2	238.24	186.84	104.64	0	-1.95	0
188	90	4	4	0	0.85	3.41	320.39	272.71	40.62	0	-3.94	0
189	90	3	5	1	3.72	3.72	276.21	201.26	74.92	0	-3.88	0
190	90	10	4	2	0.43	3.11	318.33	273.28	56.84	0	-2.91	0
191	90	7	4	0	5.32	5.32	426.59	381.93	60.44	1	-5.82	0
192	90	4	10	0	0.9	0.9	236.14	142.93	128.56	1	-1.82	0
193	90	5	2	1	5	6.83	300.44	297.15	37.3	1	-4.57	0
194	90	0	2	0	2.47	4.88	309.43	250.22	48.55	0	-4.7	0
195	90	2	4	0	5.93	5.94	382.88	303.55	42.43	1	-5.47	0
196	90	14	6	0	2.85	5.6	429.55	399.72	57.23	1	-4.79	0
197	90	3	3	2	2.91	5.33	241.29	200.55	49.33	1	-4.31	0
198	90	2	7	2	0.71	2.71	351.4	217.72	136.22	0	-4.14	0
199	90	3	3	1	5.22	5.26	417.58	354.98	40.54	1	-6.35	0
200	90	2	4	2	-1.21	0.43	285.34	197.65	52.93	0	-1.67	0
201	90	5	7	3	-0.14	2.61	415.46	293.95	90.9	0	-4.26	0
202	90	2	5	1	-1.92	1.16	234.25	183.14	70.5	0	-1.5	0
203	90	8	8	1	4.38	4.38	388.41	322.17	110.45	0	-5	0
204	90	6	5	0	3.52	3.74	339.39	292.18	49.81	0	-4.28	0
205	90	2	5	4	3.34	3.34	213.24	160.37	89.65	0	-3.84	0
206	90	2	4	2	2.26	2.27	252.27	200.58	58.2	0	-3.27	0
207	90	3	2	2	1.75	1.75	180.27	158.55	71	0	-1.97	0

208	90	5	4	2	0.46	2.71	236.31	219.28	61.69	0	-2.81	0
209	90	8	6	1	1.83	1.83	359.44	268.97	96.31	0	-3.74	0
210	90	1	3	2	2.84	2.84	234.2	148.93	76.38	0	-3.81	0
211	90	4	7	4	1.11	2.9	392.4	273.23	98.9	0	-5.29	0
212	90	2	6	3	-0.46	-0.43	278.33	199.83	106.35	0	-2.61	0
213	90	4	3	1	1.36	3.59	356.41	256.72	73.58	0	-4.59	0
214	90	12	15	1	2.97	4.52	812	641.78	171.85	2	-2.55	0
215	90	1	3	1	2.47	2.47	201.25	143.08	69.81	0	-3.53	0
216	90	6	3	1	3.18	5.68	375.55	310.66	97.02	1	-4.86	0
217	90	1	2	1	4.02	4.02	312.45	274.17	37.3	0	-4.72	0
218	90	2	2	1	0.65	2.65	160.22	145.85	24.39	0	-2.74	0
219	90	4	6	2	2.02	2.02	420.47	308.91	93.06	0	-3.69	0
220	91	6	1	1	9.85	9.85	386.65	391.43	20.23	1	-8.22	0
221	91	5	5	3	1.43	1.43	362.46	281.37	94.83	0	-3.36	0
222	91	4	5	2	0.95	1.45	327.37	228.14	70	0	-2.18	0
223	91	4	9	2	-2.15	-1.88	387.43	290.67	103.04	0	-2.08	0
224	92	6	8	1	3.59	3.59	371.39	297.18	103.55	0	-4.61	0
225	93	9	3	2	0.28	2.88	249.35	247.46	41.49	0	-2.04	0
226	93	2	4	3	-0.61	-0.54	187.2	146.54	68.01	0	-1.23	0
227	93	6	5	1	-0.75	0.76	303.35	230.95	62.3	0	-2.09	0
228	93	5	2	1	7.68	7.68	314.46	309.74	29.46	1	-5.79	0
229	94	6	4	1	-1.42	1.53	289.37	242.42	49.77	0	-2.08	0
230	94	1	4	1	2.9	3.48	326.82	247.74	30.87	0	-4.58	0
231	94	6	5	1	4.83	4.83	384.25	300.84	64.63	0	-5.33	0
232	94	6	7	1	0.5	0.5	306.27	205.27	81.65	0	-3.13	0
233	94	1	3	1	-2.61	0.15	123.11	95.19	50.19	0	-0.34	0
234	95	1	5	1	-4.46	-1.38	154.12	107	75.65	0	0.43	0
235	95	3	1	0	2.38	4.92	277.4	257.79	3.24	0	-4.04	0
236	95	4	5	2	-1.71	1.79	226.27	185.23	82.25	0	-2.29	0
237	95	1	4	1	1	2.36	313.78	228.23	36.86	0	-3.9	0
238	95	5	3	3	-0.73	1.77	213.66	166.27	63.32	0	-1.93	0
239	95	2	4	0	0.34	0.34	186.23	141.15	64.87	0	-1.31	0
240	95	7	5	3	-1.22	1.35	292.37	258.58	70.59	0	-1.53	0
241	95	5	7	4	-1.62	0.98	349.4	237.23	138.03	0	-3.52	0
242	95	3	5	2	0.42	2.3	276.74	207.43	83.65	0	-3.03	0
243	95	2	1	0	1.56	1.56	161.65	132.61	41.13	0	-2.09	0
244	95	4	2	0	2.83	5.53	314.85	281.17	6.48	1	-5.36	0
245	95	1	3	2	0.37	1.54	230.09	153.19	36.42	0	-2.76	0
246	95	6	3	1	4.71	5.14	400.96	310.9	52.01	1	-3.97	0
247	95	5	2	0	0.99	2.95	205.3	211.13	20.31	0	-2.47	0
248	95	8	4	2	-0.08	2.86	339.47	320.28	59.22	0	-3.49	0
249	95	6	8	3	1.13	3.47	440.93	303.14	79.95	0	-5.5	0

250	95	3	1	0	1.83	4.34	295.44	257.27	28.54	0	-4.08	0
251	95	6	6	2	2.32	2.32	422.49	323.97	100.9	0	-4.38	0
252	95	3	6	0	0.87	0.87	303.29	217.08	64.43	0	-3.11	0
253	95	3	2	1	1.43	3.63	244.26	203.63	37.3	0	-3.79	0
254	95	2	4	1	0.33	1.75	287.35	223.95	41.93	0	-1.84	0
255	95	5	7	1	0.74	1.05	309.34	228.38	98.79	0	-2.7	0
256	95	1	5	1	-2.22	1.04	236.27	179.77	69.97	0	-2.18	0
257	95	4	3	1	0.56	2.81	254.28	212.25	54.37	0	-3.37	0
258	95	3	4	1	-0.13	2.08	255.27	191.2	59.3	0	-3.13	0
259	95	1	2	0	-0.14	1.84	204.29	154.11	40.9	0	-2.93	0
260	95	2	4	2	2.47	2.47	321.16	211.17	61.69	0	-3.56	0
261	95	0	2	1	-0.34	-0.34	114.17	88.9	47.36	0	-0.36	0
262	95	4	6	1	-0.01	-0.01	171.15	117.87	83.87	0	-0.7	0
263	95	11	9	1	3.44	4.17	493.55	410.6	113.69	0	-5.33	0
264	95	2	6	1	2.18	2.18	281.27	200.62	87.28	0	-3.55	0
265	95	3	9	1	-0.43	-0.4	238.16	131.07	120.73	0	-3.77	0
266	95	10	7	2	0.41	1.18	331.46	265.35	139.55	0	0.48	0
267	95	3	6	1	0.11	2.17	333.36	252.46	64.09	0	-3.62	0
268	95	3	2	1	2.18	4.54	285.42	275.24	23.47	0	-3.28	0
269	95	5	7	0	0.32	0.32	278.31	211.24	75.51	0	-1.48	0
270	95	9	7	2	0.43	3.36	368.47	320.36	95.94	0	-2.86	0
271	95	4	2	3	-1.81	0.81	151.21	141.07	46.25	0	-0.63	0
272	95	6	4	3	-2.25	0.45	236.31	212.3	61.36	0	-0.97	0
273	95	3	2	0	1.47	3.77	284.42	251.33	31.78	0	-4.42	0
274	95	12	4	2	1.25	3.93	341.44	311.41	58.56	0	-3.61	0
275	95	5	2	2	0.42	3.16	243.34	230.22	32.26	0	-2.88	0
276	95	4	1	1	2	5.06	263.38	256.5	12.03	1	-3.94	0
277	95	9	4	4	-1.03	1.61	287.35	236.78	72.72	0	-1.68	0
278	95	8	6	3	-1.65	0.94	302.39	243.53	96.04	0	-0.84	0
279	95	3	5	3	1.01	1.07	283.37	196.09	121.7	0	-2.79	0
280	95	1	2	2	0.41	2.63	198.26	165.88	38.91	0	-3.36	0
281	95	2	4	1	2.2	2.2	300.74	223.16	52.9	0	-3.07	0
282	95	8	7	2	-2.25	0.06	316.42	258.46	107.98	0	-2.14	0
283	95	3	4	0	0.57	3.53	298.38	231.93	34.47	0	-3.71	0
284	95	6	3	1	0.41	2.91	277.4	261.7	32.7	0	-2.29	0
285	95	7	4	0	4.69	5.05	363.5	337.27	37.61	1	-4.43	0
286	96	8	7	4	0.34	2.78	364.42	270.47	127.1	0	-4.72	0
287	96	5	3	0	3.32	3.32	242.7	211.45	35.53	0	-3.25	0
288	96	4	7	2	-0.79	1.51	375.39	270.75	82.11	0	-4.13	0
289	96	10	4	2	-0.81	1.79	267.36	258.73	50.72	0	-1.41	0
290	96	1	5	2	0.76	0.77	194.23	140.8	67.61	0	-2.26	0
291	96	1	2	0	4.04	4.04	314.46	288.95	34.14	0	-4.67	0

292	96	4	7	3	1.55	3.52	348.42	271.4	108.57	0	-3.81	0
293	96	3	5	0	1.45	1.45	205.26	169.68	46.32	0	-2.43	0
294	97	1	3	0	-0.23	-0.23	176.22	153.68	33.2	0	-0.69	0
295	97	14	7	0	1.23	3.6	484.63	453.39	73.18	0	-4.48	0
296	97	2	6	2	-0.2	1.56	323.41	239.22	86.89	0	-3.51	0
297	97	2	4	2	2.31	2.31	286.71	201.86	61.69	0	-2.99	0
298	97	4	6	0	1.51	2.89	410.48	296.84	61.94	0	-4.68	0
299	98	1	3	0	0.27	0.27	188.23	162.79	23.55	0	-1.16	0
300	98	4	2	0	2.15	4.82	318.86	262.91	31.78	0	-5.26	0
301	98	10	7	3	1.74	3.12	465.95	359.06	86.05	0	-4.18	0
302	98	3	4	0	3.28	3.28	416.94	327.09	60.44	0	-5.69	0
303	98	3	6	3	0.78	2.6	366.48	280.23	103.88	0	-3.56	0
304	98	7	8	3	1.96	3.75	494	362.91	121.98	0	-5.29	0
305	98	4	2	1	1.64	3.72	206.28	200.34	37.3	0	-3.08	0
306	98	6	8	2	0.95	2.48	493.6	393.02	86.28	0	-4.32	0
307	98	2	4	1	0.38	2.64	268.26	198.79	63.6	0	-4.25	0
308	98	11	7	1	5.48	5.48	455.54	403.98	90.93	1	-5.67	0
309	98	1	5	4	-0.22	-0.19	256.09	162.85	90.71	0	-2.41	0
310	98	5	3	1	0.75	2.36	234.34	228.35	32.34	0	-2.19	0
311	98	4	2	2	0.12	2.16	179.26	183.05	35.25	0	-1.86	0
312	98	1	2	0	0.91	3.44	253.34	238.02	12.47	0	-2.56	0
313	98	5	4	1	1.93	4.19	293.32	239.97	63.33	0	-4.27	0
314	98	3	6	2	-1.64	-1.59	241.25	180.84	90.17	0	-1.54	0
315	98	5	4	0	0.09	2.14	250.34	241.16	32.78	0	-0.97	0
316	98	8	4	3	-0.45	2.07	275.39	260.92	53.16	0	-1.7	0
317	98	3	3	0	0.95	0.95	214.28	177.63	54.74	0	-1.69	0
318	98	5	2	1	1.03	2.72	144.21	155.59	37.3	0	-1.85	0
319	98	3	9	0	0.27	0.74	388.81	252.33	91.76	0	-3.39	0
320	99	0	6	0	-0.13	-0.13	194.19	133.4	58.44	0	-0.56	0
321	99	1	4	1	2.36	2.36	299.75	230.59	53.14	0	-0.67	0
322	99	4	3	1	-0.22	2.87	289.15	211.06	46.53	0	-3.36	0
323	99	1	3	0	2.96	2.96	284.74	225.88	32.67	0	-3.84	0
324	99	2	5	2	2.98	2.98	332.31	207.44	75.99	0	-4.9	0
325	99	3	6	2	0	2.37	351.35	261.64	72.88	0	-4.23	0
326	99	6	3	0	5.55	5.93	416.13	296.01	27.05	1	-5.73	0
327	99	5	2	0	0.01	2.79	240.34	236.09	16.13	0	-2.39	0
328	99	5	5	3	1.49	1.49	360.44	274.7	94.83	0	-3.45	0
329	99	3	5	1	-0.61	1.46	262.28	189.8	95.27	0	-2.87	0
330	99	7	6	1	1.49	3.23	422.93	319.18	86.3	0	-4.64	0
331	99	5	4	1	-0.53	1.1	237.29	223.5	39.72	0	-1.34	0
332	100	1	2	1	1.08	1.08	135.16	122.52	29.1	0	-1.38	0
333	100	1	7	3	-0.29	-0.26	222.25	127.39	151.66	0	-1.89	0

334	100	8	2	2	8.31	8.31	400.64	394.81	40.46	1	-6.26	0
335	100	2	4	1	-0.24	1.73	230.31	210.57	33.57	0	-2.34	0
336	100	10	7	4	-0.49	1.01	380.46	299.95	119.26	0	-2.44	0
337	100	4	5	0	0.97	0.97	293.37	270.29	78.29	0	-3.43	0
338	100	7	5	1	2.94	5.8	458.57	379.83	42.32	1	-6.33	0
339	100	8	8	0	-0.1	1.55	457.95	345.85	72.6	0	-3.97	0
340	100	3	7	4	2.07	2.07	421.41	275.66	135.12	0	-4.1	0
341	100	6	6	1	2.15	2.15	313.3	243.56	81.7	0	-4.52	0
342	100	10	3	0	3.31	6.18	366.54	350.08	15.71	1	-5.15	0
343	100	7	5	2	-0.41	2.69	327.37	275.18	75.63	0	-3.31	0
344	100	6	2	1	1.13	4.01	311.46	281.72	23.47	0	-3.85	0
345	100	9	3	0	2.05	5.02	329.48	311.73	29.54	1	-4.44	0
346	100	6	6	2	3.14	3.14	430.53	336.45	93.06	0	-4.44	0
347	100	3	6	0	3.37	3.37	371.82	286.9	62.21	0	-3.69	0
348	100	0	3	2	2.67	2.67	236.27	186.59	46.33	0	-3.48	0
349	100	5	5	1	1.3	1.3	214.05	146.43	61.77	0	-1.6	0
350	100	2	2	2	1.27	1.27	165.4	91.14	40.46	0	-0.73	0
351	100	8	3	0	0.67	4.55	319.87	289.52	19.37	0	-4.65	0
352	100	6	3	2	1.44	1.44	202.63	153.79	49.69	0	-1.77	0
353	100	10	5	3	-1.06	1.94	374.47	310.89	86.99	0	-4.87	0
354	100	5	5	1	1.32	3.3	343.42	282.65	79.55	0	-4.13	0
355	100	5	3	0	-0.27	2.51	324.39	272.64	36.26	0	-4.06	0
356	100	4	4	2	1.76	1.76	346.46	284.25	74.6	0	-3.43	0
357	100	0	2	0	1.39	1.39	146.14	117.1	26.3	0	-1.49	0
358	100	3	8	4	-2.27	0.24	380.87	249.2	138.36	0	-2.47	0
359	100	4	6	0	0.2	2.04	383.44	289.82	65.07	0	-3.77	0
360	100	8	3	0	3.47	6.05	309.49	312.39	29.54	1	-4.08	0
361	100	9	8	2	-0.18	1.56	441.56	328.4	121.57	0	-2.04	0
362	100	4	10	2	0.38	0.65	451.48	329.26	112.27	1	-3.95	0
363	100	5	10	3	2.46	3.58	581.66	393.41	118.21	2	-5.22	0
364	100	2	2	2	4.52	4.52	296.4	244.47	40.46	0	-5.18	0
365	100	1	1	1	-0.19	-0.19	46.07	59.06	20.23	0	0.6	0
366	100	4	4	0	5.44	5.44	384.51	335.1	52.6	1	-5.92	0
367	100	4	3	1	2.09	4.49	297.13	211.36	46.53	0	-4.89	0
368	100	2	4	2	3.24	3.24	372.54	349.59	58.2	0	-4.2	0
369	100	0	4	3	-1.78	-1.78	129.09	74.55	67.48	0	-0.4	0
370	100	6	3	1	4.07	4.51	434.52	332.46	52.01	0	-3.68	0
371	100	10	5	3	1.31	3.62	411.47	334.23	82.69	0	-4.77	0
372	100	8	6	3	3.99	6.41	516.71	443.41	104.06	2	-6.96	0
373	100	6	3	1	2.64	4.39	250.33	239.7	46.53	0	-3.54	0
374	100	6	6	1	0.97	0.97	331.34	232.13	93.46	0	-3.36	0
375	100	6	9	3	1.14	2.94	490.62	378.8	133.06	0	-4.99	0

376	100	6	9	3	0.59	2.01	445.54	331.9	138.53	0	-3.27	0
377	100	2	3	3	-3.53	-1.03	75.07	59.85	63.32	0	1.12	0
378	100	2	5	1	-1.6	1.47	312.41	234.84	50.16	0	-3.41	0
379	100	7	3	1	1.25	3.01	375.86	303.28	40.54	0	-3.93	0
380	100	1	4	3	0.21	0.29	160.18	116.62	63.83	0	-0.7	0
381	100	4	4	1	1.26	3.3	295.33	231.47	57.61	0	-3.96	0
382	100	4	5	1	-0.29	1.88	309.32	245.07	68.53	0	-3.03	0
383	100	7	7	1	2.71	4.51	428.53	328.25	87.13	0	-5.76	0
384	100	3	7	1	-0.51	-0.51	191.14	122.01	93.74	0	-0.38	0
385	100	2	7	2	-0.43	1.65	334.35	219.98	117.88	0	-4.32	0
386	100	5	6	1	2.06	3.21	395.43	308.69	69.72	0	-4.56	0
387	100	3	5	0	1.92	1.92	285.3	234.51	78.29	0	-4.56	0
388	100	3	4	2	-0.67	-0.67	170.21	145.69	63.4	0	-0.94	0
389	100	7	4	2	0.29	2.86	291.39	262.55	58.56	0	-2.89	0
390	100	2	2	1	3.92	3.92	312.45	274.31	37.3	0	-4.64	0
391	100	3	5	2	1.61	3.28	338.45	273.56	51.37	0	-3.57	0
392	100	2	4	1	2.36	2.36	335.18	232.46	52.9	0	-3.63	0
393	100	2	7	2	0.49	2.55	371.82	213.4	136.22	0	-3.98	0
394	100	1	1	1	5.83	5.83	284.44	261.17	20.23	1	-5.8	0
395	100	3	3	2	3.96	6.67	296.15	208.18	49.33	1	-5.67	0
396	100	3	4	0	3.82	3.82	384.51	333.38	60.44	0	-4.83	0
397	100	4	3	0	0.31	2.35	247.33	234.24	29.54	0	-1.9	0
398	100	3	2	1	0.94	3.7	233.35	233.86	23.47	0	-2.23	0
399	100	1	3	0	1.31	1.31	203.24	175.37	37.38	0	-2.1	0
400	100	5	5	3	0.46	1.68	339.43	265.16	68.36	0	-2.64	0
401	100	5	5	2	1.14	2.07	353.46	274.75	57.5	0	-3	0
402	100	1	3	0	3.86	3.93	325.77	239.85	30.18	0	-5.02	0
403	100	5	5	3	0.67	1.79	357.44	248.09	73.16	0	-3.01	0
404	100	10	7	0	3.09	3.5	470.01	380.7	51.62	0	-4.94	0
405	100	5	7	1	0.72	0.72	211.17	158.65	97.04	0	-1.1	0
406	100	1	2	0	-1.31	0.72	162.23	157.18	16.13	0	-0.56	0
407	100	7	9	1	1.72	1.72	385.37	290.01	134.24	0	-4.17	0
408	100	2	5	1	-0.03	1.57	190.16	127.04	78.94	0	-2.38	0
409	100	1	2	1	3.38	3.38	298.42	258.1	37.3	0	-4.35	0
410	100	4	4	1	5	5	369.5	302.54	58.89	1	-5.56	0
411	100	3	1	1	2.69	5.65	263.38	242.85	12.03	1	-4.16	0
412	100	2	7	1	-0.35	1.61	361.37	243.97	73.32	0	-3.58	0
413	100	2	4	0	1.55	2	279.34	214.93	39.82	0	-3.1	0
414	100	6	2	0	1.95	4.12	269.38	265.5	12.47	0	-3.15	0
415	100	0	4	3	-1.29	0.03	251.28	190.2	70.18	0	-2.19	0
416	100	10	4	1	3.46	5.19	357.49	325.72	49.77	1	-4.66	0
417	100	6	5	1	0.64	2.72	324.37	261.22	60.85	0	-3.67	0

418	100	4	4	1	0.87	3.89	329.37	271.52	39.72	0	-4.57	0
419	100	4	5	2	2.04	2.05	226.27	209.14	75.27	0	-2.63	0
420	100	7	4	1	2.96	3.54	403.97	322.32	55.25	0	-3.98	0
421	100	6	4	1	-0.06	2.93	288.38	268.95	49.41	0	-2.38	0
422	100	1	2	0	2.72	2.75	222.24	175.7	34.14	0	-4.09	0
423	100	2	7	2	-0.36	1.71	331.35	211.97	107.98	0	-3.09	0
424	100	4	7	3	1.55	1.55	439.88	275.26	151.63	0	-3.36	0
425	100	7	5	1	0.65	3.3	285.36	233.53	83.06	0	-3.52	0
426	100	5	4	3	-0.73	0.77	221.3	213.62	53.16	0	-1.84	0
427	100	3	1	1	4.16	4.16	178.27	188.01	20.23	0	-3.03	0
428	100	3	7	1	-0.2	-0.2	238.24	162.95	78.67	0	-0.5	0
429	100	4	2	2	-1.66	1.05	165.23	162.71	32.26	0	-0.64	0
430	100	1	4	2	-0.37	-0.37	123.11	94.58	68.87	0	-0.02	0
431	100	6	5	1	-0.35	2.22	371.27	287.34	50.8	0	-2.51	0
432	100	10	6	2	2.37	4.69	452.59	397.85	78.87	0	-4.97	0
433	100	5	5	2	0.01	3.05	258.23	183.81	83.83	0	-3.84	0
434	100	4	1	0	1.89	2.95	187.28	196.18	3.24	0	-2.44	0
435	100	2	7	2	0.25	2.25	337.37	201.45	136.22	0	-3.88	0
436	100	2	6	3	0.48	0.89	253.28	173.13	106.6	0	-2.94	0
437	100	6	5	0	-0.69	2.3	404.48	290.05	76.9	0	-4.47	0
438	100	8	2	0	5.74	7.88	371.51	356.24	12.47	1	-5.45	0
439	100	1	6	1	2.51	2.51	321.37	206.47	115.99	0	-4.15	0
440	100	11	3	2	3.72	6.51	471.67	433.5	43.7	1	-5.63	0
441	100	11	7	1	-0.19	2.64	408.47	319.38	107.51	0	-4.1	0
442	100	1	2	1	3.48	3.48	288.42	256.96	37.3	0	-4.36	0
443	100	5	2	0	1.65	3.37	271.4	265.85	20.31	0	-2.8	0
444	100	5	7	0	-0.27	-0.27	247.27	172.36	106.16	0	-1.83	0
445	100	3	3	3	-0.4	0.76	192.26	175.63	55.12	0	-1.39	0
446	100	9	2	0	5.68	7.81	405.96	367.62	12.47	1	-5.67	0
447	100	6	6	4	0.83	0.83	394.43	277.36	115.06	0	-3.43	0
448	100	4	3	0	2.78	4.33	407.5	328.8	35.02	0	-4.52	0
449	100	6	2	1	1.6	4.49	301.47	289.67	23.47	0	-3.43	0
450	100	7	4	0	1.77	1.77	323.58	238.7	42.59	0	-1.75	0
451	100	3	4	3	3.74	3.74	236.29	168.66	94.8	0	-4.22	0
452	100	4	4	1	-0.02	2.27	291.73	227.3	59.3	0	-3.22	0
453	100	2	5	2	-0.1	-0.1	212.23	140.59	94.57	0	-1.97	0
454	100	4	2	0	4.4	6.57	331.86	259.56	37.77	1	-4.98	0
455	0	8	6	2	-3.07	-3.07	666.89	+	46.94	1	-0.9	1
456	0	26	14	0	1.04	1.04	929.14	+	126.44	2	-1.99	1
457	0	7	11	4	-2.58	-3.17	475.52	+	204.63	1	-0.44	1
458	0	9	13	5	-3.24	-2.84	547.58	+	241.93	3	-0.64	1
459	0	3	2	1	-2.53	-2.58	166.24	+	20.23	0	0.22	1

460	0	30	16	0	0.37	0.37	1029.26	+	144.9	2	-2.15	1
461	0	6	6	0	0.74	0.74	572.86	+	52.6	1	-1.12	1
462	0	7	4	0	-1.77	-1.77	368.49	+	35.53	0	-0.35	1
463	0	4	8	2	-1.84	-1.85	624.76	+	77.38	1	-0.94	1
464	0	6	6	0	0.81	1.79	557.83	+	55.84	1	-1.21	1
465	2	3	4	0	-3.03	-3.03	223.29	+	29.54	0	0.14	1
466	5	6	2	0	-0.49	-0.49	256.36	+	9.23	0	-0.23	1
467	5	4	4	2	-3.95	-3.95	161.22	+	52.32	0	0.39	1
468	5	21	6	0	-5.88	-5.88	510.81	+	27.69	1	-0.2	1
469	5	7	4	1	-2.21	-2.21	332.46	+	46.53	0	-0.21	1
470	5	8	7	2	-5.3	-5.4	288.3	+	82.17	0	0.26	1
471	5	6	2	0	-2.74	-2.74	240.43	+	0	0	0.07	1
472	5	7	4	1	0.05	0.05	340.44	+	46.53	0	-0.5	1
473	7	2	1	0	2.2	2.2	278.41	+	0	0	-0.6	1
474	10	9	5	1	-1.99	-1.99	360.47	+	59.06	0	-0.3	1
475	10	6	5	1	-3.55	-4.15	204.24	+	63.6	0	0.32	1
476	10	7	4	1	0.92	0.92	408.55	+	46.53	0	-0.76	1
477	16	7	5	1	-2.36	-2.36	332.41	+	59.06	0	-0.2	1
478	18	6	4	1	0.38	0.38	318.43	+	46.53	0	-0.48	1
479	23	3	1	0	-1.17	-1.17	243.16	+	0	0	-0.12	1
480	30	2	3	1	-3.86	-3.9	137.16	+	36.47	0	0.44	1
481	95	6	3	1	3.89	5.73	326.43	310.36	46.53	1	-4.49	0
482	90	1	4	0	2.5	2.5	308.76	225.58	43.07	0	-4.15	0
483	0	22	18	17	-9.33	-3.34	585.6	363.93	331.94	3	0.23	0
484	100	3	4	3	1.41	1.41	232.28	197.95	72.19	0	-2.07	0
485	100	3	4	1	0.96	3.69	383.91	319	35.58	0	-4.65	0
486	100	3	2	1	-2.86	0.1	136.19	140.8	24.92	0	-0.01	0
487	90	6	6	2	4.94	4.94	430.37	282.75	115.64	0	-5.88	0
488	95	8	2	1	1.14	4.19	269.38	267.68	21.26	0	-3.48	0
489	100	6	7	0	3.06	3.43	385.5	310.68	69.64	0	-4.76	0
490	96	8	9	3	0.03	0.97	359.35	240.52	120.69	0	-3.13	0
491	100	9	3	1	1.41	3.1	304.21	243.66	40.54	0	-3.8	0
492	89	8	7	3	1.02	1.02	323.13	208.83	115.38	0	-2.48	0
493	100	4	3	1	0.85	3.49	294.39	244.54	36.36	0	-3.31	0
494	95	2	7	1	-3.8	-0.09	262.22	159.76	88.43	0	-2.17	0
495	87	1	4	0	1.61	1.61	300.74	225.25	40.62	0	-3.85	0
496	93	2	4	1	-0.57	1.2	299.36	222.6	41.93	0	-2.27	0
497	80	0	1	0	4.05	6.41	287.4	257.54	3.24	1	-4.56	0
498	95	11	3	1	3.95	4.49	271.44	293.64	32.7	0	-2.53	0
499	98	4	2	1	1.11	4.13	266.38	254.27	15.27	0	-4.22	0
500	99	1	3	1	3.15	3.15	270.71	204.57	41.46	0	-3.79	0
501	72	2	1	1	6.59	6.59	310.47	288.76	20.23	1	-6.26	0

502	100	6	4	0	3.08	3.79	392.53	350.16	32.78	0	-3.85	0
503	90	0	4	1	1.08	1.08	230.67	142.51	66.91	0	-2.74	0
504	97	4	3	2	1.89	4.15	296.15	206.82	49.33	0	-4.55	0
505	94	2	3	1	1.96	1.96	311.42	258.63	61.09	0	-3.48	0
506	100	4	2	0	0.27	3.1	281.39	269.2	12.47	0	-3.44	0
507	35	12	14	5	1.27	2.83	733.93	607.18	193.91	3	-1.3	0
508	75	7	4	1	5.35	5.35	440.4	351.38	49.77	1	-6.47	0
509	78	11	4	4	-3	-0.05	204.31	207	64.52	0	0.39	0
510	90	2	2	2	1.22	1.22	166.24	142.04	71	0	-1.59	0
511	100	3	5	0	-0.29	-0.29	374.84	277.43	80.87	0	-2.89	0
512	95	4	1	1	0.05	3.05	231.26	214.85	12.03	0	-2.48	0
513	85	4	3	1	1.56	3.84	242.27	204.72	46.53	0	-3.85	0
514	80	4	6	2	2.16	2.16	434.5	325.64	93.06	0	-3.83	0
515	100	6	4	0	1.14	4.04	387.88	319.04	35.91	0	-4.76	0
516	100	2	2	1	3.66	3.66	310.43	267.64	37.3	0	-4.52	0
517	95	6	9	2	1.57	3.36	527.63	393.26	130.26	1	-5.47	0
518	100	3	4	4	1.58	1.61	246.09	163.17	81.47	0	-2.99	0
519	68	1	7	4	-0.07	-0.07	297.74	175.8	135.12	0	-2.23	0
520	90	9	4	2	0.02	2.39	321.85	268.86	48.39	0	-3.16	0
521	98	4	2	0	2.09	4.8	280.41	269.22	6.48	0	-4.61	0
522	100	3	4	1	0.73	2.77	281.31	214.97	57.61	0	-3.63	0
523	1	17	16	14	-7.04	-2.96	526.54	330.54	285.69	3	0.28	0
524	100	1	5	0	3.36	3.36	368.81	260.33	49.85	0	-5.21	0
525	95	10	5	5	-0.16	2.31	328.41	273.56	95.58	1	-2.81	0
526	90	3	7	2	0.09	1.02	280.28	209.81	113.43	0	-4.08	0
527	100	4	7	1	0.36	0.43	337.35	259.04	71.11	0	-2.96	0
528	80	9	7	2	1.75	3.56	422.91	312.53	92.51	0	-5.31	0
529	98	4	1	1	1.45	4.51	277.4	256.73	12.03	0	-4.33	0
530	100	3	6	2	2.82	2.83	295.29	212.66	84.08	0	-4.88	0
531	90	2	2	1	5.17	5.17	310.43	269.41	29.46	1	-5.55	0
532	100	8	6	3	0.55	0.55	241.24	192	91.01	0	-1.24	0
533	64	2	6	3	3.25	3.25	365.83	261.21	100.88	0	-4.99	0
534	80	3	3	0	1.18	1.19	226.27	201.98	42.85	0	-2	0
535	88	4	4	1	0.27	0.84	268.74	222.82	41.57	0	-1.44	0
536	0	10	15	4	-3.86	0.87	520.47	292.53	231.6	2	-4.25	0
537	100	11	4	0	2.37	4.94	383.52	355.31	38.77	0	-4.89	0
538	95	4	5	2	0.63	1.8	341.4	230.85	70	0	-2.94	0
539	99	3	3	1	1.34	3	230.26	192.25	46.53	0	-3.34	0
540	70	4	5	2	-1.58	1.35	335.46	273.3	73.58	0	-3.29	0
541	90	6	8	1	2.27	2.27	346.33	263.49	110.45	0	-3.77	0
542	100	2	7	1	3.31	3.35	317.22	216.76	95.23	0	-4.37	0
543	100	2	2	1	3.7	3.7	310.43	267.64	37.3	0	-4.55	0

544	100	7	5	1	3.04	3.57	426.55	362.94	38.82	0	-4.95	0
545	95	10	4	2	-0.31	2.29	265.35	255.15	50.72	0	-1.81	0
546	100	8	3	2	1.57	4.17	291.43	282.69	41.49	0	-3.17	0
547	100	2	5	2	1.64	1.67	232.24	188.2	75.27	0	-2.61	0
548	95	4	3	1	2.78	4.77	280.32	222.13	46.53	0	-4.57	0
549	98	5	4	0	3.9	3.9	308.37	262.79	40.62	0	-4.31	0
550	90	7	4	3	-0.67	1.97	248.32	215.48	57.28	0	-1.8	0
551	81	3	5	2	2.14	2.14	217.22	174.37	71.09	0	-2.5	0
552	80	0	1	0	3.69	6.12	295.44	253.73	31.48	1	-4.79	0
553	96	1	4	0	2.44	2.44	312.41	254.23	40.62	0	-3.6	0
554	100	6	2	1	0.88	3.93	287.44	271.93	23.47	0	-3.19	0
555	84	8	4	0	4.17	5.97	367.48	327.52	38.77	1	-4.31	0
556	95	9	3	0	2.89	5.44	339.47	326.98	29.54	1	-4.41	0
557	76	2	3	2	1.36	1.37	170.23	137.01	73.22	0	-2.71	0
558	100	7	6	2	0.79	2.97	395.56	319.59	81.26	0	-3.94	0
559	60	10	10	4	-2.93	-0.57	389.41	263.17	131.16	1	-0.67	0
560	90	5	5	1	-1.73	0.96	269.34	222.55	49.74	0	-2.25	0
561	91	0	4	1	-1.09	0.91	183.18	117.63	71.62	0	-2.08	0
562	82	6	8	4	-0.89	-0.89	351.15	185.06	119.33	0	-1.85	0
563	100	3	6	3	-0.81	-0.81	223.23	149.07	88.15	0	-1.35	0
564	95	2	6	3	0.77	0.8	278.33	199.83	106.35	0	-2.94	0
565	100	11	7	3	-0.03	2.24	408.51	342.82	108.26	0	-3.58	0
566	90	7	6	1	4.14	6.66	516.63	414.9	70.72	2	-6.89	0
567	100	4	4	0	3.2	3.48	317.42	281.61	38.77	0	-3.34	0
568	6	4	6	4	-5.91	-1.24	300.57	172.9	134.68	0	-2.35	0
569	90	4	5	2	0.63	2.34	270.35	228.27	83.65	0	-2.85	0
570	99	4	4	1	-0.72	1.55	257.28	217.98	59.3	0	-2.59	0
571	86	3	9	2	2.97	2.97	339.36	253.86	123.92	0	-4.03	0
572	95	5	3	1	-0.21	2.51	263.38	251.39	32.7	0	-1.88	0
573	55	3	3	3	-2.19	0.32	157.21	143.45	63.32	0	-0.48	0
574	100	5	6	0	1.38	1.66	371.86	278.8	42.39	0	-3.76	0
575	97	5	7	4	0.01	0.79	290.32	231.85	105.51	0	-2.69	0
576	98	4	4	2	0.2	2.31	261.32	212.77	69.89	0	-2.86	0
577	100	3	6	0	0.87	0.87	305.33	244.05	74.29	0	-3.58	0
578	2	9	11	9	-6.63	-4.13	332.31	189.61	198.22	2	-0.12	0