

Table S1. Conjectured complete list of tight Bell+1 inequalities with three settings for both parties. The coefficients for each inequality are given in the following order $d_{00} d_{01} d_{02} d_{10} d_{11} d_{12} d_{20} d_{21} d_{22} e_{00} e_{01} e_{02} e_{10} e_{11} e_{12} e_{20} e_{21} e_{22} f_0 f_1 f_2$. For each inequality we give the local bound L , the two-qubit quantum bound Q , the one bit of communication bound C and the quantum state that achieves the largest quantum bound $|\psi(\theta_{\max})\rangle = \cos \theta_{\max}|00\rangle + \sin \theta_{\max}|11\rangle$. All quantities are computed for non-degenerate measurements.

#	Ineq	L	Q	C	θ_{\max}/π
1	-9 6 8 9 1 9 4 6 -5 3 -5 -5 -3 -1 -3 -1 -1 -1 0 -10 -4	1	1	4	0
2	-8 6 8 8 -2 8 4 6 -2 3 -5 -5 -3 -1 -3 -1 -1 -1 0 -8 -4	1	1	4	0
3	-8 6 8 8 0 8 4 6 -4 3 -5 -5 -3 -1 -3 -1 -1 -1 0 -8 -4	1	1	4	0
4	-7 5 6 7 1 6 3 5 -4 3 -4 -4 -3 -1 -2 -1 -1 0 0 -7 -3	1	1	3	0
5	-6 5 6 6 -1 6 3 5 -2 3 -4 -4 -3 -1 -2 -1 -1 0 0 -6 -3	1	1	3	0
6	-6 5 6 6 0 6 3 5 -3 3 -4 -4 -3 -1 -2 -1 -1 0 0 -6 -3	1	1	3	0
7	-5 2 5 0 0 0 5 0 5 1 -2 -2 1 2 -3 -1 -2 -3 0 0 -5	1	1	3	0
8	-5 2 5 0 1 -1 5 0 5 1 -2 -2 1 1 -2 -1 -2 -3 0 0 -5	1	1	3	0
9	-5 2 5 1 2 -2 5 0 5 1 -2 -2 0 0 -1 -1 -2 -3 0 0 -5	1	1	3	0
10	-5 2 5 5 1 6 0 0 0 1 -2 -2 -1 -2 -3 1 2 -3 0 -6 0	1	1	3	0
11	-5 2 5 5 1 6 0 1 -1 1 -2 -2 -1 -2 -3 1 1 -2 0 -6 0	1	1	3	0
12	-5 2 5 5 1 6 1 2 -2 1 -2 -2 -1 -2 -3 0 0 -1 0 -6 0	1	1	3	0
13	-5 2 5 5 2 7 1 2 -3 1 -2 -2 -1 -2 -3 0 0 -1 0 -7 0	1	1	3	0
14	-5 2 7 5 2 5 0 0 0 1 -2 -3 -1 -2 -2 -1 2 -4 -2 -5 0	0	0	2	0
15	-5 2 7 5 2 5 0 2 -2 1 -2 -3 -1 -2 -2 -1 0 -2 -2 -5 0	0	0	2	0
16	-5 3 6 5 0 5 2 2 0 1 -3 -3 -1 -1 -2 -1 1 -3 -1 -5 -2	0	0	2	0
17	-5 3 6 5 0 5 2 3 -1 1 -3 -3 -1 -1 -2 -1 0 -2 -1 -5 -2	0	0	2	0
18	-5 4 4 4 -3 4 5 5 1 1 -3 -3 -1 -1 -1 -1 -1 -1 0 -4 -6	0	0.0899	2	0.1448
19	-5 4 6 5 1 5 2 4 -3 1 -3 -3 -1 -1 -1 -1 -1 -1 -2 -6 -2	0	0	2	0
20	-5 5 7 5 0 5 3 3 0 2 -4 -4 -2 -1 -1 -2 1 -3 -2 -5 -3	0	0	2	0
21	-5 5 7 5 0 5 3 5 -2 2 -4 -4 -2 -1 -1 -2 -1 -1 -2 -5 -3	0	0.0045	2	0.2044
22	-5 6 7 5 2 5 3 6 -6 1 -2 -3 -1 -2 -2 -4 -4 2 -6 -5 0	0	0.044	2	0.1871
23	-5 7 7 4 -4 7 5 5 0 2 -4 -4 -3 1 -3 -2 -1 -1 -4 -3 -5	0	0.0844	2	0.2235
24	-4 1 5 4 2 4 -1 2 -2 1 -1 -2 -1 -2 -2 0 0 -1 -1 -4 0	0	0.3467	2	0.1895
25	-4 2 4 4 0 4 1 1 0 1 -2 -2 -1 -1 -2 0 1 -2 0 -4 -1	0	0.3106	2	0.1655
26	-4 2 4 4 0 4 1 2 -1 1 -2 -2 -1 -1 -2 0 0 -1 0 -4 -1	0	0.3033	2	0.1639
27	-4 2 6 0 0 0 0 2 -2 1 -1 -2 3 -1 2 -1 -1 -2 -2 0 0	3	3	5	0
28	-4 2 6 0 2 -2 2 0 2 1 -1 -2 -1 -1 -2 1 -1 0 -2 0 -2	1	1	3	0
29	-4 3 2 2 0 2 2 3 -1 2 -2 -1 -2 -1 -1 0 -1 1 0 -2 -2	1	1	2	0
30	-4 3 3 2 -3 3 4 3 1 2 -2 -2 -1 1 -1 -2 -1 -1 0 -1 -4	1	1.0667	2	0.2167
31	-4 3 3 2 -1 3 2 3 -1 2 -2 -1 -2 0 -2 0 -1 1 -1 -2 -2	1	1.1019	2	0.2144
32	-4 3 3 3 -1 3 3 3 -1 2 -2 -2 -2 -1 -1 -1 -1 1 0 -3 -2	1	1	2	0
33	-4 3 3 4 1 3 1 1 -1 2 -2 -2 -2 -1 -1 0 1 -1 0 -4 -1	1	1	2	0
34	-4 3 3 4 1 3 1 2 -2 2 -2 -2 -2 -1 -1 0 0 0 0 -4 -1	1	1	2	0
35	-4 3 4 -1 -1 0 2 3 -1 2 -2 -2 2 0 2 -2 -1 -1 -1 1 -2	3	3	4	0
36	-4 3 4 2 1 1 2 3 -1 2 -2 -2 0 -1 1 -2 -1 -1 -1 -2 -2	1	1	2	0
37	-4 3 4 3 -4 4 4 4 1 2 -2 -2 -2 2 -2 -2 -2 -1 -1 -1 -4	1	1	2	0
38	-4 3 4 3 -2 4 3 3 -1 2 -2 -2 -2 0 -2 -1 -1 1 -1 -3 -2	1	1.0505	2	0.2262
39	-4 3 5 2 3 3 2 5 -3 0 -1 -1 2 -3 1 -2 -2 -1 -3 -5 -2	1	1	3	0
40	-4 3 5 3 1 3 1 3 -2 1 -2 -2 0 -1 0 -1 -1 -1 -2 -4 -1	0	0.365	2	0.208
41	-4 3 6 1 3 -2 3 -1 2 1 -2 -2 -1 -1 -2 0 -1 0 -2 -1 -2	1	1	3	0
42	-4 4 0 2 0 2 0 0 0 1 -1 1 -3 -3 -1 3 1 -1 0 -2 0	2	2	4	0

43	-4 4 0 2 0 2 2 2 -2 1 -1 1 -3 -3 -1 1 -1 1 0 -2 0	2	2	4	0
44	-4 4 0 2 2 4 4 6 -4 1 -1 1 -1 -3 -3 -1 -3 3 0 -4 -2	2	2	4	0
45	-4 4 0 4 2 2 0 0 0 1 -1 1 -3 -3 -1 3 1 -1 0 -4 0	2	2	4	0
46	-4 4 0 4 2 2 2 2 -2 1 -1 1 -3 -3 -1 1 -1 1 0 -4 0	2	2	4	0
47	-4 4 0 4 2 4 4 4 -4 1 -1 1 -3 -3 -3 -1 -3 3 0 -4 0	2	2.1102	4	0.1491
48	-4 4 5 4 0 4 2 4 -2 2 -3 -3 -2 -1 -1 -1 -1 0 -1 -4 -2	0	0.4426	2	0.2234
49	-4 4 5 5 -1 5 3 4 -2 1 -3 -3 -2 0 -2 -1 -1 -1 -1 -4 -3	0	0	2	0
50	-4 4 6 4 0 4 2 2 0 1 -3 -3 -1 -1 -1 -1 1 -3 -2 -4 -2	0	0	2	0
51	-4 4 6 6 -2 6 4 4 -2 1 -3 -3 -3 1 -3 -1 -1 -1 -2 -4 -4	0	0	2	0
52	-4 4 7 4 1 4 1 4 -3 1 -3 -3 -1 -2 -1 -1 -1 -1 -3 -4 -1	0	0	2	0
53	-4 4 7 7 -3 7 5 5 -2 1 -3 -3 -4 2 -4 -1 -2 -1 -3 -4 -5	0	0	2	0
54	-4 4 8 0 0 0 2 6 -4 1 -1 -2 3 -3 2 -3 -3 -2 -4 0 -2	2	2	5	0
55	-4 4 8 2 6 -4 2 -2 2 1 -1 -2 -3 -3 -2 1 -1 0 -4 -2 0	2	2	5	0
56	-4 5 7 2 -1 3 2 5 -3 2 -3 -3 0 -1 0 -2 -2 -1 -3 -2 -2	1	1	3	0
57	-4 6 6 4 -4 6 4 4 0 1 -3 -3 -3 1 -3 -1 -1 -1 -4 -2 -4	0	0.1239	2	0.2228
58	-4 6 7 5 -5 7 5 5 0 1 -3 -3 -4 2 -4 -1 -2 -1 -5 -2 -5	0	0.0913	2	0.2154
59	-3 -2 -3 5 -2 5 5 2 -5 0 4 4 -3 -2 -1 -2 -2 1 5 -5 0	6	6	8	0
60	-3 0 3 -1 0 -1 1 0 1 1 0 -1 0 0 -1 1 0 0 0 1 -1	2	2	3	0
61	-3 0 3 0 0 0 -1 0 -1 1 0 -1 2 0 1 0 0 -1 0 0 1	3	3	4	0
62	-3 0 3 0 0 0 0 0 0 1 0 -1 2 0 1 -1 0 -2 0 0 0	2	2	3	0
63	-3 0 3 1 -1 1 0 0 0 1 -1 -2 1 1 1 -1 1 -1 0 -1 0	2	2	3	0
64	-3 0 3 2 1 2 -1 1 -1 1 0 -1 0 -1 -1 0 0 -1 0 -2 0	1	1	2	0
65	-3 0 3 3 1 3 0 0 0 1 -1 -2 -1 -1 -1 -1 1 -1 0 -3 0	0	0	1	0
66	-3 0 3 3 2 3 -1 2 -2 1 0 -1 -1 -2 -2 0 0 0 0 -3 0	1	1	2	0
67	-3 1 2 2 0 2 1 0 1 1 -1 0 -1 -1 -2 1 1 -1 0 -2 -1	1	1.0391	2	0.1059
68	-3 1 2 2 0 2 1 1 0 1 -1 0 -1 -1 -2 1 0 0 0 -2 -1	1	1.0053	2	0.0616
69	-3 1 2 3 -1 2 1 1 0 1 -1 0 -2 0 -2 1 0 0 0 -2 -1	1	1.0117	2	0.1016
70	-3 1 3 0 -1 -1 1 1 0 1 -1 -1 2 0 2 -1 0 -2 0 1 -1	3	3	4	0
71	-3 1 3 0 0 0 1 1 0 1 -1 -1 2 -1 1 -1 0 -2 0 0 -1	2	2	3	0
72	-3 1 3 0 0 0 4 0 4 0 -1 -1 1 1 -2 -1 -1 -2 0 0 -4	0	0.2003	2	0.1594
73	-3 1 3 0 1 -1 1 0 1 1 0 -1 -1 -1 -1 1 0 0 -1 0 -1	1	1.0099	2	0.0873
74	-3 1 3 0 1 -1 1 1 0 1 0 -1 -1 -1 -1 1 -1 1 -1 0 -1	1	1.0641	2	0.1558
75	-3 1 3 1 0 1 1 1 0 1 -1 -1 1 -1 0 -1 0 -2 0 -1 -1	1	1	2	0
76	-3 1 3 1 1 -1 3 0 3 1 -1 -1 0 0 0 -1 -1 -2 0 0 -3	1	1	2	0
77	-3 1 3 1 1 -1 4 0 4 0 -1 -1 0 0 -1 -1 -1 -2 0 0 -4	0	0.1772	2	0.1512
78	-3 1 3 1 1 0 2 -1 1 1 -1 -1 -1 0 -2 0 0 0 0 -1 -1	1	1	2	0
79	-3 1 3 1 1 0 4 -1 3 1 -1 -1 1 0 -1 -2 0 -2 0 -1 -3	1	1	2	0
80	-3 1 3 1 1 2 1 1 0 1 -1 -1 1 -1 0 -1 0 -2 0 -2 -1	1	1	2	0
81	-3 1 3 2 1 -1 4 -1 3 1 -1 -1 0 0 0 -2 0 -2 0 -1 -3	1	1	2	0
82	-3 1 3 3 -1 3 1 1 1 1 -1 -1 -1 -1 -2 1 1 -1 0 -3 -2	1	1	2	0
83	-3 1 4 0 0 0 1 1 0 1 0 -1 2 -1 1 -2 0 -3 -1 0 -1	1	1	3	0
84	-3 1 4 0 0 0 1 2 -1 1 0 -1 2 -1 1 -2 -1 -2 -1 0 -1	1	1.0595	3	0.1514
85	-3 1 4 0 0 0 5 0 5 -1 -1 -1 1 1 -3 -1 -1 -2 -1 0 -5	0	0	2	0
86	-3 1 4 1 1 -1 5 0 5 -1 -1 -1 0 0 -2 -1 -1 -2 -1 0 -5	0	0	2	0
87	-3 1 4 1 1 0 1 -1 1 1 0 -1 -2 0 -3 1 0 0 -1 -1 0	1	1	3	0
88	-3 1 4 1 2 -1 1 -1 1 1 0 -1 -2 -1 -2 1 0 0 -1 -1 0	1	1.084	3	0.1846
89	-3 1 4 3 1 3 -1 3 -3 2 0 -2 -2 -2 -1 -1 -1 1 -1 -3 0	1	1	2	0
90	-3 1 4 3 1 3 0 0 0 1 -1 -2 -1 -1 -1 -1 1 -2 -1 -3 0	0	0	1	0
91	-3 2 1 1 0 1 1 0 1 1 -1 0 -1 -1 -1 1 1 -1 0 -1 -1	1	1.0811	2	0.1667
92	-3 2 1 1 0 1 1 1 0 1 -1 0 -1 -1 -1 1 0 0 0 -1 -1	1	1.0099	2	0.0879

93	-3 2 1 1 0 1 2 2 -1 1 -1 0 -1 -1 -1 0 -1 1 0 -1 -1	1	1.0168	2	0.1554
94	-3 2 1 3 2 3 1 2 -3 1 -1 0 -1 -1 -1 0 -1 1 0 -5 0	1	1.0719	2	0.2269
95	-3 2 2 2 -3 2 3 3 1 1 -1 -1 -1 1 -1 -1 -1 -1 0 0 -4	1	1.0698	2	0.2233
96	-3 2 2 2 -1 2 1 1 0 1 -1 0 -2 0 -2 1 0 0 -1 -1 -1	1	1.0057	2	0.0966
97	-3 2 2 2 -1 2 1 1 1 1 -1 -1 -1 -1 -1 1 1 -1 0 -2 -2	1	1	2	0
98	-3 2 2 2 -1 2 2 2 -1 1 -1 0 -2 0 -2 0 -1 1 -1 -1 -1	1	1.0967	2	0.1829
99	-3 2 2 2 -1 2 3 3 -1 1 -1 -1 -1 -1 -1 -1 -1 1 0 -2 -2	1	1	2	0
100	-3 2 3 -1 -1 -1 1 1 0 1 -1 -1 2 0 2 -1 0 -2 -1 2 -1	3	3	4	0
101	-3 2 3 -1 -1 -1 1 2 -1 1 -1 -1 2 0 2 -1 -1 -1 -1 2 -1	3	3	4	0
102	-3 2 3 0 0 0 1 2 -2 1 0 -1 2 0 1 -2 -2 0 -2 0 0	2	2	3	0
103	-3 2 3 1 0 1 1 2 -2 1 0 -1 1 0 0 -2 -2 0 -2 -1 0	1	1.0031	2	0.0926
104	-3 2 3 3 -2 3 3 2 1 1 -2 -2 -1 0 -1 -1 0 -1 0 -3 -3	0	0.1438	1	0.1796
105	-3 2 3 3 -1 3 1 2 -1 1 -2 -2 -1 0 -1 0 0 0 0 -3 -1	1	1	2	0
106	-3 2 3 3 -1 3 2 2 0 1 -2 -2 -1 0 -1 -1 0 -1 0 -3 -2	0	0.0772	1	0.1441
107	-3 2 3 3 0 3 2 2 -1 1 -2 -2 -1 0 -1 -1 0 -1 0 -3 -2	0	0.0584	1	0.1316
108	-3 2 3 3 2 3 1 4 -4 1 0 -1 -1 -2 -2 -2 -2 2 -2 -3 0	1	1	2	0
109	-3 2 3 5 2 5 3 4 -5 -1 0 0 -1 -2 -1 -2 -2 1 -2 -7 0	1	1	3	0
110	-3 2 4 0 0 0 1 3 -2 1 0 -1 2 -1 1 -2 -2 -1 -2 0 -1	1	1.1966	3	0.1881
111	-3 2 4 1 3 -2 1 -1 1 1 0 -1 -2 -2 -1 1 0 0 -2 -1 0	1	1.253	3	0.2063
112	-3 2 4 3 1 3 1 1 0 1 -2 -2 -1 -1 -1 -1 1 -2 -1 -3 -1	0	0	1	0
113	-3 2 4 3 1 3 1 2 -1 1 -2 -2 -1 -1 -1 -1 0 -1 -1 -3 -1	0	0	1	0
114	-3 2 4 4 -1 4 3 3 -1 1 -2 -2 -2 1 -2 -1 -1 -1 -1 -3 -3	0	0	1	0
115	-3 2 5 0 0 0 5 -2 3 -1 -2 -2 1 2 -3 -1 0 -1 -2 0 -3	1	1	3	0
116	-3 2 5 0 1 -1 5 -2 3 -1 -2 -2 1 1 -2 -1 0 -1 -2 0 -3	1	1	3	0
117	-3 2 5 1 2 -2 5 -2 3 -1 -2 -2 0 0 -1 -1 0 -1 -2 0 -3	1	1	3	0
118	-3 2 5 2 4 -2 1 0 -1 1 0 -1 -3 -2 -2 2 -2 2 -2 -2 0	2	2	4	0
119	-3 3 0 2 2 3 3 3 -3 1 -1 0 -1 -2 -2 -1 -2 2 0 -3 -1	1	1	2	0
120	-3 3 0 3 3 4 3 3 -4 1 -1 0 -1 -2 -2 -1 -2 2 0 -5 -1	1	1.0504	2	0.2267
121	-3 3 1 1 -1 0 4 3 -1 1 -1 -1 1 0 1 -2 -2 0 0 0 -3	2	2	3	0
122	-3 3 1 2 1 -1 2 1 1 1 -1 -1 0 0 0 -1 -2 0 0 -1 -2	1	1	2	0
123	-3 3 1 3 2 2 2 1 -2 1 -1 -1 -1 -2 0 0 0 0 0 -4 -1	1	1	2	0
124	-3 3 1 3 2 4 2 3 -4 1 -1 0 -1 -1 -2 -1 -2 2 -1 -5 0	1	1.0667	2	0.2169
125	-3 3 2 -1 -1 0 3 3 -2 1 -2 -2 2 0 2 -1 -1 0 0 1 -3	3	3	4	0
126	-3 3 2 0 -1 1 3 3 -1 1 -2 -2 1 0 1 -1 -1 0 0 0 -3	2	2	3	0
127	-3 3 2 0 0 0 3 3 0 1 -2 -2 1 -2 2 -1 -1 0 0 0 -3	2	2	3	0
128	-3 3 2 1 -1 1 3 3 0 1 -2 -2 0 -1 1 -1 -1 0 0 -1 -3	1	1	2	0
129	-3 3 2 3 2 2 1 1 -2 1 -1 -1 -1 -2 0 0 0 0 -1 -4 0	1	1	2	0
130	-3 3 2 6 1 6 5 4 -6 -1 0 0 -2 -1 -2 -3 -3 2 -2 -7 0	1	1	3	0
131	-3 3 3 0 -1 -1 2 3 -2 1 -1 -1 2 0 2 -2 -2 0 -2 1 -1	3	3	4	0
132	-3 3 3 0 -1 1 3 3 0 2 -2 -2 1 0 1 -2 -1 -1 0 0 -3	2	2	3	0
133	-3 3 3 1 -1 2 3 3 0 2 -2 -2 0 0 0 -2 -1 -1 0 -1 -3	1	1	2	0
134	-3 3 3 1 1 2 2 3 -2 1 -1 -1 1 -1 0 -2 -2 0 -2 -2 -1	1	1	2	0
135	-3 3 3 2 -2 3 3 3 0 2 -2 -2 -1 1 -1 -2 -1 -1 0 -1 -3	1	1	2	0
136	-3 3 3 3 0 3 0 0 0 2 -2 -2 -2 -1 -1 1 2 -1 0 -3 0	2	2	3	0
137	-3 3 4 -1 -1 0 1 3 -2 1 -2 -2 2 0 2 -1 -1 0 -2 1 -1	3	3	4	0
138	-3 3 4 1 -1 2 2 3 -1 2 -2 -2 0 0 0 -2 -1 -1 -1 -1 -2	1	1	2	0
139	-3 3 4 2 2 2 1 1 0 0 -1 -1 1 -2 1 -1 1 -3 -3 -4 -1	0	0.0304	2	0.1301
140	-3 3 4 2 2 2 1 3 -2 0 -1 -1 1 -2 1 -1 -1 -1 -3 -4 -1	0	0.2518	2	0.1976
141	-3 3 4 3 -3 4 4 4 0 2 -2 -2 -2 2 -2 -2 -2 -1 -1 -1 -4	1	1	2	0
142	-3 3 4 4 -1 4 3 3 -2 1 -2 -2 -2 1 -2 -1 -1 0 -2 -3 -3	0	0	1	0

143	-3 3 5 2 0 2 1 3 -2 1 -2 -2 0 -1 0 -1 -1 -1 -2 -2 -1	0	0.2625	2	0.2072
144	-3 4 1 3 2 1 0 0 0 1 -1 0 -2 -3 0 2 1 -1 -1 -3 0	1	1.133	3	0.1829
145	-3 4 1 3 2 1 1 1 -1 1 -1 0 -2 -3 0 1 0 0 -1 -3 0	1	1.1313	3	0.1974
146	-3 4 1 4 1 4 4 4 -4 1 -1 0 -2 -2 -3 -2 -3 3 -1 -4 0	1	1.4021	3	0.1987
147	-3 4 2 4 0 4 4 4 -4 1 -1 0 -2 -1 -3 -2 -3 3 -2 -4 0	1	1.4667	3	0.2054
148	-3 4 3 2 -1 3 0 0 0 2 -2 -2 -2 -1 -1 1 2 -1 -1 -2 0	2	2	3	0
149	-3 4 3 2 -1 3 1 1 0 2 -2 -2 -2 -1 -1 0 1 -1 -1 -2 -1	1	1	2	0
150	-3 4 4 3 3 3 2 2 -1 -1 -1 -1 1 -3 1 -1 1 -3 -4 -6 -2	0	0	2	0
151	-3 4 4 3 3 3 2 4 -3 -1 -1 -1 1 -3 1 -1 -1 -1 -4 -6 -2	0	0	2	0
152	-3 5 5 3 3 3 1 1 0 -1 -2 -1 1 -3 1 -1 2 -4 -5 -6 -1	0	0	2	0
153	-3 5 5 3 3 3 1 4 -3 -1 -2 -1 1 -3 1 -1 -1 -1 -5 -6 -1	0	0	2	0
154	-2 -2 0 0 0 0 0 0 0 0 1 1 2 -1 1 0 1 -1 2 0 0	4	4	5	0
155	-2 -2 0 2 0 2 0 0 0 0 1 1 0 -1 -1 0 1 -1 2 -2 0	2	2	3	0
156	-2 -2 0 4 -1 4 0 0 0 -1 2 2 -1 -1 -2 1 1 -2 2 -4 0	2	2.0766	4	0.1627
157	-2 -2 0 4 -1 4 1 1 -1 -1 2 2 -1 -1 -2 0 0 -1 2 -4 0	2	2.173	4	0.2053
158	-2 -2 2 6 0 6 2 0 -2 -2 1 1 -2 -1 -3 0 1 -1 0 -6 0	1	1	3	0
159	-2 -1 -2 1 -1 1 3 2 -2 0 2 2 0 -1 0 -1 -1 0 3 -1 -2	3	3	4	0
160	-2 -1 -2 2 -1 2 3 1 -2 0 2 2 -1 -1 0 -1 -1 0 3 -2 -1	3	3	4	0
161	-2 -1 1 2 1 3 1 0 1 0 1 1 0 -2 -2 0 2 -2 1 -3 -1	2	2	3	0
162	-2 -1 1 4 -1 3 2 1 -1 0 1 1 -2 0 -2 0 0 0 1 -3 -1	2	2	3	0
163	-2 -1 1 4 0 4 0 0 0 -1 1 1 -1 -1 -2 1 1 -2 1 -4 0	1	1.0162	3	0.1623
164	-2 -1 1 4 0 4 1 1 -1 -1 1 1 -1 -1 -2 0 0 -1 1 -4 0	1	1.1763	3	0.2174
165	-2 0 2 0 0 0 -1 0 -1 1 0 -1 1 0 1 0 0 0 0 0 1	2	2.1547	3	0.1959
166	-2 0 2 0 0 0 4 0 4 -1 0 0 1 1 -2 -1 -1 -2 0 0 -4	0	0	2	0
167	-2 0 2 1 0 1 -1 0 -1 1 0 -1 0 0 0 0 0 0 0 -1 1	1	1.4142	2	0.25
168	-2 0 2 1 1 -1 4 0 4 -1 0 0 0 0 -1 -1 -1 -2 0 0 -4	0	0.0981	2	0.1667
169	-2 0 2 1 2 -1 1 0 -1 1 1 0 -2 -1 -1 1 -1 1 0 -1 0	2	2	3	0
170	-2 0 2 2 -2 4 2 0 -2 1 1 0 -1 1 -2 -1 -1 0 0 -2 0	2	2.0981	3	0.25
171	-2 0 2 2 1 2 -1 1 -1 1 0 -1 -1 -1 -1 0 0 0 0 -2 0	0	0.4158	1	0.2358
172	-2 1 -1 0 -1 -1 4 4 -1 0 1 1 2 -1 1 -2 -2 0 1 1 -4	3	3	4	0
173	-2 1 -1 0 0 0 4 3 -1 0 1 1 2 -1 1 -2 -2 0 1 0 -3	3	3	4	0
174	-2 1 -1 1 -2 -1 4 4 -1 0 1 1 1 0 1 -2 -2 0 1 1 -4	3	3	4	0
175	-2 1 -1 1 -1 0 4 3 -1 0 1 1 1 0 1 -2 -2 0 1 0 -3	3	3	4	0
176	-2 1 -1 1 0 1 4 3 -1 0 1 1 1 -1 0 -2 -2 0 1 -1 -3	2	2	3	0
177	-2 1 -1 1 1 1 2 2 -1 0 1 1 0 -2 0 0 0 0 1 -2 -2	2	2	3	0
178	-2 1 -1 2 0 2 4 3 -2 0 1 1 0 -1 -1 -2 -2 1 1 -2 -2	2	2	3	0
179	-2 1 -1 2 1 1 2 1 -1 0 1 1 -1 -2 0 0 0 0 1 -2 -1	2	2	3	0
180	-2 1 -1 3 1 3 4 3 -3 0 1 1 -1 -2 -2 -2 -2 2 1 -3 -1	2	2	3	0
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377	-1 1 -1 2 0 2 4 3 -1 -2 1 1 0 -2 -1 -1 -1 0 0 -2 -3	0	0.1794	2	0.2091
378	-1 1 -1 2 0 2 6 5 -2 -3 2 1 0 -3 -1 -2 -2 1 0 -2 -4	1	1	3	0
379	-1 1 0 0 0 0 3 3 -1 0 1 1 2 -1 1 -2 -2 0 0 0 -2	3	3	4	0
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562	0 4 4 2 -2 2 2 4 -4 0 -1 -1 1 -1 -1 -3 -3 1 -4 -2 0	0	0.0393	2	0.124
563	0 5 5 -1 -1 1 -1 1 -2 -1 -2 -2 1 -2 1 1 1 -1 -5 0 1	1	1.0109	3	0.1264
564	0 5 5 1 -1 1 1 0 -1 1 -2 -2 -1 -2 1 -1 2 -2 -5 -1 0	0	0.0168	2	0.1472
565	0 5 5 3 -3 3 3 4 -4 1 -1 -2 1 -1 -1 -4 -3 1 -5 -3 0	1	1	3	0
566	0 6 6 1 1 -1 2 -1 -1 1 -2 -2 -1 1 -3 -1 -3 3 -6 -1 0	1	1	3	0
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573	1 -1 -1 -2 2 -1 -1 -2 -1 0 1 2 1 0 -1 0 0 0 1 0 2	4	4	5	0
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575	1 -1 1 1 5 -5 3 -2 1 -2 2 2 1 -1 2 -2 -2 -3 0 -1 -1	3	3	5	0
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591	1 1 -1 -5 3 -4 -2 2 4 2 1 0 2 -1 1 0 -2 -1 -1 2 -2	4	4.2859	6	0.1825
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604	1 1 -1 -2 1 -2 -1 -2 -1 1 0 0 0 1 1 0 0 1 -1 1 2	4	4	5	0
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632	1 4 3 2 -2 2 2 3 -3 0 -1 -1 1 -1 -1 -3 -2 1 -4 -2 0	0	0.1265	2	0.2018
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659	2 7 7 6 5 -7 6 -7 5 0 -3 -4 -4 -2 4 -2 3 -1 -9 -2 -4	2	2.0527	4	0.2253
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