

NEW MODULAR INVARIANTS FOR $N=2$ TENSOR PRODUCTS
AND FOUR-DIMENSIONAL STRINGS
(TABLES SUPPLEMENT)

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Tables of (2,2) and (2,1) spectra for all combinations of $N = 2$ minimal models with total central charge equal to 9.

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This is a supplement to Nucl. Phys. B330 (1990) 103, henceforth referred to as (I) and contains all tables that were omitted from (I). We refer to this paper for further explanations and references. We have examined all possible combinations of $N = 2$ minimal models that can give rise to four-dimensional superstrings. For each such combination we have studied the complete set of modular invariant partition functions that can be constructed from the A- and E-type invariants of each $N = 2$ factor, combined with the simple currents defined in (I). This includes all modular invariants that we know of, and in particular the D -invariants, \mathbf{Z}_{k+2} , “ β -projections” and all combinations thereof. It does *not* include, in general, twists by interchange symmetries of the minimal models, because this procedure does not yield a modular invariant partition function *within* the original set of primary fields.

Since the currents were generated at random, these tables are not complete. However, from the decreasing rate at which new spectra appear we know that they are very close to being complete. More importantly, because of the quantization rule of the number of generations that was empirically observed in (I), we are very confident that nothing interesting is being overlooked.

The conclusions of (I), based on about half of these tables, remain unchanged. There are several four-generation models, coming from those combinations of minimal models mentioned in I. There is just one combination of minimal models that yields 3 generations, namely $(1)(16^*)^3$, where “*” denotes the use of an exceptional invariant. We did not find any (2,2) models with 3 generations, and just one (2,1) model. However, there are at least 43 (2,0) models with 3 generations, which are listed in (I). We have omitted the (2,0) models from these tables because our results for them are very incomplete, and a complete listing would probably yield a list at least 10 times as long as this one.

The ordering of the tables is as in the paper of Lütken and Ross. In general, spectra are considered different if the multiplicity of one or more of the

massless states (organized into super-multiplets and $SO(10)$ representations) is different. In a few cases, for example in the $(6)^4$ table, the same spectrum appears more than once. These spectra correspond to partition functions that we know to be different on the basis of additional information not printed in the tables, and only computed for a few tensor products.

This paper is not intended for publication, and is circulated only to those people who are interested in similar computations, in order to enable them to compare results.

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It turned out that in a few tables the statistical coverage of the space of simple current invariants was a bit poor, and this has now been improved. An extensive list has also been published by Fuchs et. al. (Heidelberg preprints HD-THEP-89-26 and HD-THEP-89-25), which consists of all D -invariants plus at most one twist. Only (2,2) compactifications were considered by these authors, and the number of of E_6 -singlet gauge bosons and scalars is not listed in most cases. On the other hand this table has the advantage of containing detailed information about how a given spectrum was obtained, information we decided to omit to save space. All spectra listed by Fuchs et. al. are now also contained in our list (for statistical reasons a few were absent from the previous version).

Some exceptional $SU(2)$ invariants at levels 10 and 28 have been removed from the second half of these tables. It is now clear that even for (2,1) and (1,1) theories they yield nothing new, because the “Landau-Ginzburg” relations $(28)_E = (3) \times (1)$ and $(10)_E = (2) \times (1)$ are exact in conformal field theory. This will be discussed in more detail in a forthcoming paper (CERN-TH-5665/90), where we will also discuss some new exceptional invariants. The tables of modular invariants for these new exceptional invariants are included at the end.

(1,1,1,1,1,1,1,1,1)									
nr.	N_R	N_L	(S,s)	(S,c)	(S,0)	(V,0)	(V,v)	(S,v)	order
1	1	1	84	0	252	8	-	-	1
2	1	1	40	4	252	8	-	-	2
3	1	1	36	0	324	32	-	-	4
4	1	1	36	0	270	14	-	-	2
5	1	1	27	3	252	8	-	-	3
6	1	1	24	12	252	8	-	-	2
7	1	1	18	6	270	14	-	-	3
8	1	1	18	6	252	8	-	-	3
9	1	1	16	4	252	8	-	-	3
10	1	1	12	0	252	8	-	-	8
11	1	1	13	13	252	8	-	-	3
12	1	1	9	9	270	14	-	-	4
13	1	1	9	9	252	8	-	-	3
14	1	1	7	7	252	8	-	-	4
15	1	0	48	0	312	11	-	54	2
16	1	0	30	6	300	11	-	42	2
17	1	0	26	2	310	17	-	34	3
18	1	0	26	2	292	11	-	34	3
19	1	0	21	9	294	11	-	36	3
20	1	0	19	7	290	11	-	32	3
21	1	0	17	5	304	17	-	28	4
22	1	0	17	5	286	11	-	28	3
23	1	0	15	3	282	11	-	24	3
24	1	0	22	22	320	14	2	56	2
25	1	0	16	16	308	14	2	44	3
26	1	0	14	14	304	14	2	40	3
27	1	0	12	12	384	37	4	42	4
28	1	0	12	12	330	19	4	42	3
29	1	0	12	12	318	20	2	36	3
30	1	0	12	12	306	17	0	30	3
31	1	0	12	12	300	14	2	36	3
32	1	0	12	12	288	11	0	30	3
33	1	0	10	10	314	20	2	32	3
34	1	0	10	10	296	14	2	32	3
35	1	0	10	10	284	11	0	26	3
36	1	0	8	8	322	19	4	34	4
37	1	0	8	8	310	20	2	28	4
38	1	0	8	8	292	14	2	28	3
39	1	0	8	8	280	11	0	22	4
40	1	0	6	6	288	14	2	24	4

(1,1,1,1,1,1,1,1,1) (continued)									
nr.	N_R	N_L	(S,s)	(S,c)	(S,0)	(V,0)	(V,v)	(S,v)	order
41	1	0	4	4	314	19	4	26	5
42	1	0	4	4	284	14	2	20	4
43	1	0	0	0	396	10	10	36	6
44	1	0	0	0	330	5	8	30	5
45	1	2	12	-	300	31	-	-	5
46	1	2	12	-	246	13	-	-	3
47	1	2	6	-	258	13	-	-	4
48	1	4	-	-	324	24	-	-	9
49	2	1	12	12	216	32	-	-	5
50	2	1	12	12	180	14	-	-	3
51	2	1	6	6	180	14	-	-	4
52	2	0	16	16	236	19	4	44	3
53	2	0	12	12	220	20	2	32	3
54	2	0	12	12	212	17	0	28	3
55	2	0	8	8	256	37	4	28	5
56	2	0	8	8	220	19	4	28	5
57	2	0	8	8	212	20	2	24	4
58	2	0	8	8	204	17	0	20	4
59	2	0	6	6	208	20	2	20	3
60	2	0	6	6	200	17	0	16	5
61	2	0	4	4	212	19	4	20	4
62	2	0	4	4	204	20	2	16	4
63	2	0	0	0	264	10	10	24	6
64	2	0	0	0	220	5	8	20	3
65	2	0	0	0	204	19	4	12	5
66	2	2	20	-	140	13	-	-	2
67	2	2	8	-	200	31	-	-	4
68	2	2	8	-	164	13	-	-	3
69	2	2	2	-	176	13	-	-	4
70	2	4	-	-	216	24	-	-	5
71	4	1	-	-	-	32	-	-	8
72	4	0	-	-	-	37	4	-	5
73	4	0	-	-	-	10	10	-	5
74	4	0	-	-	-	1	16	-	5
75	4	2	-	-	-	31	-	-	5
76	4	4	-	-	-	78	-	-	5
77	4	4	-	-	-	24	-	-	3

(1,1,1,1,1,1,1,4)									
nr.	N_R	N_L	(S,s)	(S,c)	(S,0)	(V,0)	(V,v)	(S,v)	order
1	1	1	84	0	252	8	-	-	1
2	1	1	40	4	252	8	-	-	2
3	1	1	36	0	270	14	-	-	2
4	1	1	27	3	252	8	-	-	3
5	1	1	24	12	252	8	-	-	2
6	1	1	18	6	270	14	-	-	3
7	1	1	18	6	252	8	-	-	3
8	1	1	16	4	252	8	-	-	3
9	1	1	13	13	252	8	-	-	3
10	1	1	9	9	252	8	-	-	4
11	1	1	7	7	252	8	-	-	4
12	1	0	48	0	312	11	-	54	2
13	1	0	30	6	300	11	-	42	2
14	1	0	26	2	310	17	-	34	3
15	1	0	26	2	292	11	-	34	3
16	1	0	21	9	294	11	-	36	3
17	1	0	19	7	290	11	-	32	3
18	1	0	17	5	286	11	-	28	3
19	1	0	15	3	282	11	-	24	4
20	1	0	22	22	320	14	2	56	2
21	1	0	16	16	308	14	2	44	3
22	1	0	14	14	304	14	2	40	3
23	1	0	12	12	330	19	4	42	3
24	1	0	12	12	318	20	2	36	3
25	1	0	12	12	306	17	0	30	4
26	1	0	12	12	300	14	2	36	3
27	1	0	12	12	288	11	0	30	3
28	1	0	10	10	314	20	2	32	3
29	1	0	10	10	296	14	2	32	3
30	1	0	10	10	284	11	0	26	3
31	1	0	8	8	322	19	4	34	4
32	1	0	8	8	310	20	2	28	4
33	1	0	8	8	292	14	2	28	3
34	1	0	6	6	288	14	2	24	4
35	1	0	4	4	314	19	4	26	5
36	1	0	0	0	330	5	8	30	4
37	1	2	12	-	246	13	-	-	3
38	1	2	6	-	258	13	-	-	4
39	2	1	12	12	180	14	-	-	3
40	2	1	6	6	180	14	-	-	4

(1,1,1,1,1,1,1,4) (continued)									
nr.	N_R	N_L	(S,s)	(S,c)	(S,0)	(V,0)	(V,v)	(S,v)	order
41	2	0	16	16	236	19	4	44	3
42	2	0	12	12	220	20	2	32	3
43	2	0	12	12	212	17	0	28	3
44	2	0	8	8	256	37	4	28	4
45	2	0	8	8	220	19	4	28	4
46	2	0	8	8	212	20	2	24	4
47	2	0	8	8	204	17	0	20	4
48	2	0	6	6	208	20	2	20	3
49	2	0	4	4	212	19	4	20	4
50	2	0	4	4	204	20	2	16	4
51	2	0	0	0	264	10	10	24	4
52	2	0	0	0	220	5	8	20	3
53	2	0	0	0	204	19	4	12	5
54	2	2	20	-	140	13	-	-	2
55	2	2	8	-	200	31	-	-	4
56	2	2	8	-	164	13	-	-	3
57	2	2	2	-	176	13	-	-	3
58	4	0	-	-	-	37	4	-	5
59	4	0	-	-	-	10	10	-	4
60	4	2	-	-	-	31	-	-	4
61	4	4	-	-	-	24	-	-	3

(1,1,1,1,1,1,2,2)									
nr.	N_R	N_L	(S,s)	(S,c)	(S,0)	(V,0)	(V,v)	(S,v)	order
1	2	0	16	16	236	17	4	44	2
2	2	0	0	0	412	11	8	44	3
3	2	0	0	0	380	8	6	40	2
4	2	2	20	-	140	11	-	-	1
5	4	0	-	-	-	16	10	-	4
6	4	0	-	-	-	8	10	-	4
7	4	0	-	-	-	2	14	-	4
8	4	4	-	-	-	22	-	-	3

(1, 1, 1, 1, 1, 2, 10)									
nr.	N_R	N_L	(S, s)	(S, c)	(S, 0)	(V, 0)	(V, v)	(S, v)	order
1	1	1	62	2	250	6	-	-	1
2	1	1	26	14	250	6	-	-	2
3	1	0	48	0	310	9	-	54	2
4	1	0	30	6	298	9	-	42	2
5	1	0	22	22	334	9	1	55	2
6	1	0	18	18	310	12	2	48	2
7	1	0	16	16	334	13	1	43	2
8	1	0	14	14	318	9	1	39	2
9	1	0	12	12	338	14	3	41	2
10	1	0	12	12	326	13	1	35	2
11	1	0	12	12	298	12	2	36	3
12	1	0	8	8	330	14	3	33	4
13	2	0	16	16	228	18	3	42	2
14	2	0	12	12	216	18	2	32	3
15	2	0	8	8	228	26	3	26	4
16	2	0	8	8	212	18	3	26	3
17	2	0	0	0	236	5	9	22	4
18	2	0	0	0	216	3	8	20	3
19	2	2	20	-	136	11	-	-	2
20	2	2	8	-	160	11	-	-	3

(1, 1, 1, 1, 1, 2, 10*)									
nr.	N_R	N_L	(S, s)	(S, c)	(S, 0)	(V, 0)	(V, v)	(S, v)	order
1	2	0	16	16	236	17	4	44	3
2	2	0	0	0	412	11	8	44	3
3	2	0	0	0	380	8	6	40	3
4	2	2	20	-	140	11	-	-	2
5	4	0	-	-	-	16	10	-	3
6	4	0	-	-	-	8	10	-	4
7	4	0	-	-	-	2	14	-	4
8	4	4	-	-	-	22	-	-	3

(1, 1, 1, 1, 1, 4, 4)									
nr.	N_R	N_L	(S, s)	(S, c)	(S, 0)	(V, 0)	(V, v)	(S, v)	order
1	1	1	84	0	252	8	-	-	2
2	1	1	73	1	250	6	-	-	1
3	1	1	51	3	250	6	-	-	3
4	1	1	40	4	252	8	-	-	2
5	1	1	36	0	270	14	-	-	2
6	1	1	35	11	232	8	-	-	2
7	1	1	33	9	250	6	-	-	2
8	1	1	29	5	232	8	-	-	2
9	1	1	29	5	226	6	-	-	2
10	1	1	27	3	252	8	-	-	3
11	1	1	25	1	226	6	-	-	3
12	1	1	24	12	252	8	-	-	2
13	1	1	24	12	214	6	-	-	2
14	1	1	20	8	232	8	-	-	3
15	1	1	18	6	270	14	-	-	3
16	1	1	18	6	252	8	-	-	3
17	1	1	18	6	214	6	-	-	3
18	1	1	16	4	252	8	-	-	3
19	1	1	16	4	214	6	-	-	3
20	1	1	19	19	250	6	-	-	2
21	1	1	13	13	252	8	-	-	3
22	1	1	13	13	226	6	-	-	3
23	1	1	13	13	214	6	-	-	3
24	1	1	11	11	232	8	-	-	3
25	1	1	11	11	226	6	-	-	3
26	1	1	9	9	252	8	-	-	3
27	1	1	9	9	214	6	-	-	3
28	1	0	48	0	312	11	-	54	2
29	1	0	48	0	310	9	-	54	2
30	1	0	48	0	256	15	-	42	3
31	1	0	41	5	252	9	-	44	2
32	1	0	37	1	244	9	-	36	2
33	1	0	30	6	300	11	-	42	2
34	1	0	30	6	298	9	-	42	2
35	1	0	30	6	260	7	-	40	2
36	1	0	30	6	244	15	-	30	4
37	1	0	28	4	256	7	-	36	2
38	1	0	26	2	310	17	-	34	3
39	1	0	26	2	292	11	-	34	3
40	1	0	26	2	256	11	-	30	3

(1, 1, 1, 1, 1, 4, 4) (continued)									
nr.	N_R	N_L	(S, s)	(S, c)	(S, 0)	(V, 0)	(V, v)	(S, v)	order
41	1	0	26	2	252	7	-	32	3
42	1	0	26	2	250	9	-	30	3
43	1	0	26	2	250	9	-	30	3
44	1	0	33	21	302	7	-	64	2
45	1	0	23	11	282	7	-	44	2
46	1	0	21	9	294	11	-	36	3
47	1	0	21	9	278	7	-	40	2
48	1	0	21	9	268	9	-	36	2
49	1	0	21	9	262	7	-	36	2
50	1	0	21	9	254	7	-	34	3
51	1	0	21	9	252	9	-	32	3
52	1	0	21	9	232	9	-	30	2
53	1	0	19	7	290	11	-	32	3
54	1	0	19	7	274	7	-	36	2
55	1	0	19	7	258	7	-	32	3
56	1	0	19	7	250	7	-	30	3
57	1	0	19	7	248	9	-	28	3
58	1	0	19	7	232	9	-	24	3
59	1	0	17	5	286	11	-	28	3
60	1	0	17	5	260	9	-	28	3
61	1	0	17	5	254	7	-	28	3
62	1	0	17	5	246	7	-	26	3
63	1	0	17	5	244	9	-	24	3
64	1	0	17	5	224	9	-	22	3
65	1	0	15	3	266	7	-	28	3
66	1	0	15	3	250	7	-	24	3
67	1	0	22	22	320	14	2	56	2
68	1	0	20	20	314	12	2	52	2
69	1	0	16	16	308	14	2	44	3
70	1	0	16	16	306	12	2	44	3
71	1	0	16	16	286	9	0	42	2
72	1	0	16	16	272	14	2	40	3
73	1	0	16	16	238	9	0	30	3
74	1	0	14	14	304	14	2	40	3
75	1	0	14	14	294	12	2	44	2
76	1	0	14	14	268	14	2	36	3
77	1	0	14	14	252	7	0	32	2
78	1	0	14	14	242	12	2	34	3
79	1	0	14	14	234	9	0	26	3
80	1	0	12	12	330	19	4	42	3

(1, 1, 1, 1, 1, 4, 4) (continued)									
nr.	N_R	N_L	(S, s)	(S, c)	(S, 0)	(V, 0)	(V, v)	(S, v)	order
81	1	0	12	12	318	20	2	36	3
82	1	0	12	12	300	14	2	36	3
83	1	0	12	12	298	12	2	36	3
84	1	0	12	12	288	11	0	30	3
85	1	0	12	12	278	9	0	34	2
86	1	0	12	12	264	14	2	32	3
87	1	0	12	12	258	12	2	32	3
88	1	0	12	12	256	7	0	30	3
89	1	0	12	12	252	11	0	26	3
90	1	0	12	12	248	7	0	28	3
91	1	0	12	12	246	9	0	26	3
92	1	0	12	12	244	18	2	24	4
93	1	0	12	12	242	9	0	28	3
94	1	0	12	12	238	12	2	30	3
95	1	0	12	12	236	18	2	28	5
96	1	0	10	10	314	20	2	32	3
97	1	0	10	10	296	14	2	32	3
98	1	0	10	10	286	12	2	36	3
99	1	0	10	10	284	11	0	26	3
100	1	0	10	10	274	9	0	30	3
101	1	0	10	10	274	9	0	30	3
102	1	0	10	10	270	12	2	32	3
103	1	0	10	10	254	12	2	28	3
104	1	0	10	10	252	7	0	26	3
105	1	0	10	10	244	7	0	24	3
106	1	0	10	10	242	9	0	22	4
107	1	0	10	10	238	9	0	24	3
108	1	0	10	10	234	12	2	26	3
109	1	0	10	10	232	18	2	24	3
110	1	0	8	8	322	19	4	34	4
111	1	0	8	8	292	14	2	28	3
112	1	0	8	8	282	12	2	32	3
113	1	0	8	8	270	9	0	26	3
114	1	0	8	8	266	12	2	28	3
115	1	0	8	8	256	14	2	24	4
116	1	0	8	8	250	12	2	24	4
117	1	0	8	8	246	12	2	26	3
118	1	0	6	6	288	14	2	24	4
119	1	0	6	6	242	12	2	22	3
120	1	0	6	6	226	12	2	18	5

(1, 1, 1, 1, 1, 4, 4) (continued)									
nr.	N_R	N_L	(S, s)	(S, c)	(S, 0)	(V, 0)	(V, v)	(S, v)	order
121	1	0	4	4	274	12	2	24	4
122	1	0	0	0	330	5	8	30	4
123	1	0	0	0	248	3	8	22	5
124	1	2	12	-	246	13	-	-	3
125	1	2	12	-	196	11	-	-	3
126	1	2	6	-	258	13	-	-	4
127	2	1	12	12	180	14	-	-	3
128	2	1	12	12	168	8	-	-	3
129	2	1	6	6	180	14	-	-	4
130	2	1	6	6	168	8	-	-	4
131	2	0	16	16	236	19	4	44	3
132	2	0	16	16	216	14	2	40	2
133	2	0	12	12	220	20	2	32	3
134	2	0	12	12	216	18	2	32	4
135	2	0	12	12	212	17	0	28	3
136	2	0	12	12	208	15	0	28	4
137	2	0	12	12	200	11	0	28	4
138	2	0	12	12	196	9	0	28	3
139	2	0	8	8	220	19	4	28	5
140	2	0	8	8	212	20	2	24	3
141	2	0	8	8	208	18	2	24	4
142	2	0	8	8	204	17	0	20	4
143	2	0	8	8	200	14	2	24	3
144	2	0	8	8	196	12	2	24	4
145	2	0	8	8	192	11	0	20	5
146	2	0	8	8	188	9	0	20	5
147	2	0	6	6	208	20	2	20	3
148	2	0	6	6	196	14	2	20	4
149	2	0	6	6	192	12	2	20	3
150	2	0	4	4	212	19	4	20	4
151	2	0	4	4	204	20	2	16	4
152	2	0	4	4	200	18	2	16	4
153	2	0	4	4	192	14	2	16	5
154	2	0	4	4	188	12	2	16	3
155	2	0	0	0	264	10	10	24	5
156	2	0	0	0	220	5	8	20	3
157	2	0	0	0	216	3	8	20	3
158	2	2	20	-	148	17	-	-	3
159	2	2	20	-	140	13	-	-	2
160	2	2	20	-	136	11	-	-	2

(1, 1, 1, 1, 1, 4, 4) (continued)									
nr.	N_R	N_L	(S, s)	(S, c)	(S, 0)	(V, 0)	(V, v)	(S, v)	order
161	2	2	8	-	200	31	-	-	4
162	2	2	8	-	172	17	-	-	4
163	2	2	8	-	164	13	-	-	3
164	2	2	8	-	160	11	-	-	3
165	2	2	2	-	176	13	-	-	4
166	4	0	-	-	-	10	10	-	4
167	4	2	-	-	-	31	-	-	5
168	4	4	-	-	-	24	-	-	4

(1, 1, 1, 1, 2, 2, 4)									
nr.	N_R	N_L	(S, s)	(S, c)	(S, 0)	(V, 0)	(V, v)	(S, v)	order
1	1	1	35	11	231	7	-	-	1
2	1	0	48	0	255	14	-	42	2
3	1	0	16	16	351	21	2	44	2
4	1	0	16	16	271	13	2	40	2
5	1	0	12	12	361	11	2	48	2
6	1	0	8	8	367	16	4	42	2
7	2	0	16	16	250	26	4	44	2
8	2	0	16	16	236	17	4	44	2
9	2	0	0	0	412	11	8	44	3
10	2	0	0	0	380	8	6	40	3
11	2	0	0	0	258	7	10	24	3
12	2	0	0	0	218	4	8	20	3
13	2	2	20	-	146	16	-	-	2
14	2	2	20	-	140	11	-	-	2
15	4	0	-	-	-	16	10	-	3
16	4	0	-	-	-	8	10	-	3
17	4	0	-	-	-	2	14	-	5
18	4	4	-	-	-	22	-	-	3

(1, 1, 1, 2, 2, 2, 2)									
nr.	N_R	N_L	(S, s)	(S, c)	(S, 0)	(V, 0)	(V, v)	(S, v)	order
1	2	0	16	16	288	36	6	48	3
2	2	0	16	16	248	25	4	44	2
3	2	0	16	16	228	18	3	42	2
4	2	0	16	16	224	18	2	40	2
5	2	0	16	16	216	14	2	40	2
6	2	2	20	-	160	23	-	-	2
7	2	2	20	-	144	15	-	-	2
8	2	2	20	-	136	11	-	-	1
9	4	0	-	-	-	20	6	-	3
10	4	0	-	-	-	14	10	-	3
11	4	0	-	-	-	8	14	-	5
12	4	4	-	-	-	36	-	-	3
13	4	4	-	-	-	20	-	-	2

(1, 1, 1, 1, 5, 40)									
nr.	N_R	N_L	(S, s)	(S, c)	(S, 0)	(V, 0)	(V, v)	(S, v)	order
1	1	1	47	23	321	5	-	-	1
2	1	0	48	0	429	8	-	78	3
3	1	0	24	24	409	11	2	68	2
4	2	0	0	0	214	2	8	20	3
5	2	2	20	-	134	10	-	-	3

(1, 1, 1, 1, 6, 22)									
nr.	N_R	N_L	(S, s)	(S, c)	(S, 0)	(V, 0)	(V, v)	(S, v)	order
1	1	1	52	16	285	5	-	-	1
2	1	1	36	24	285	5	-	-	2
3	1	0	48	0	369	8	-	66	2
4	1	0	48	0	289	8	-	46	2
5	1	0	30	6	331	6	-	58	2
6	1	0	22	22	361	11	2	60	2
7	1	0	16	16	345	8	0	54	2
8	1	0	16	16	315	13	2	44	2
9	1	0	12	12	341	11	2	52	2
10	2	0	16	16	214	13	2	40	3

(1, 1, 1, 1, 6, 22) (continued)									
nr.	N_R	N_L	(S, s)	(S, c)	(S, 0)	(V, 0)	(V, v)	(S, v)	order
11	2	0	0	0	218	4	8	20	3
12	2	0	0	0	214	2	8	20	3
13	2	2	20	-	134	10	-	-	3

(1, 1, 1, 1, 7, 16)									
nr.	N_R	N_L	(S, s)	(S, c)	(S, 0)	(V, 0)	(V, v)	(S, v)	order
1	1	1	68	8	285	5	-	-	1
2	1	1	35	11	207	5	-	-	2
3	1	1	29	5	207	5	-	-	2
4	1	1	32	20	285	5	-	-	2
5	1	1	24	12	233	5	-	-	2
6	1	1	20	8	207	5	-	-	3
7	1	1	23	23	217	5	-	-	2
8	1	0	48	0	369	8	-	66	2
9	1	0	41	5	273	6	-	50	2
10	1	0	37	1	265	6	-	42	2
11	1	0	32	8	279	6	-	46	2
12	1	0	30	6	275	6	-	42	2
13	1	0	26	2	281	8	-	38	3
14	1	0	26	2	275	6	-	38	3
15	1	0	25	13	269	6	-	40	2
16	1	0	23	11	265	6	-	36	2
17	1	0	21	9	277	6	-	40	3
18	1	0	21	9	249	8	-	36	2
19	1	0	19	7	273	6	-	36	3
20	1	0	19	7	265	6	-	32	3
21	1	0	32	32	327	6	0	74	2
22	1	0	22	22	361	11	2	60	2
23	1	0	22	22	307	6	0	54	2
24	1	0	16	16	319	6	0	54	3
25	1	0	16	16	271	6	0	38	2
26	1	0	16	16	243	11	2	38	3
27	1	0	14	14	291	6	0	38	2
28	1	0	14	14	275	6	0	38	3
29	1	0	14	14	267	6	0	34	3
30	1	0	14	14	255	6	0	32	3
31	1	0	12	12	313	11	2	44	3

(1, 1, 1, 1, 7, 16) (continued)									
nr.	N_R	N_L	(S, s)	(S, c)	(S, 0)	(V, 0)	(V, v)	(S, v)	order
32	1	0	12	12	269	8	0	38	3
33	1	0	12	12	235	11	2	30	4
34	1	0	10	10	261	11	2	32	3
35	1	0	8	8	247	11	2	28	4
36	1	2	12	-	159	10	-	-	3
37	2	1	12	12	162	5	-	-	3
38	2	0	16	16	210	11	2	40	3
39	2	0	6	6	190	11	2	20	3
40	2	2	20	-	134	10	-	-	2

(1, 1, 1, 1, 7, 16*) (continued)									
nr.	N_R	N_L	(S, s)	(S, c)	(S, 0)	(V, 0)	(V, v)	(S, v)	order
26	1	0	14	14	243	11	2	32	4
27	1	0	14	14	185	11	2	24	4
28	1	0	12	12	245	6	0	30	4
29	1	0	8	8	299	11	2	42	4
30	1	0	8	8	285	6	0	38	3
31	1	2	12	-	159	10	-	-	4
32	2	1	12	12	162	5	-	-	4
33	2	0	6	6	190	11	2	20	4
34	2	0	4	4	186	11	2	16	4
35	2	2	20	-	134	10	-	-	3

(1, 1, 1, 1, 7, 16*)									
nr.	N_R	N_L	(S, s)	(S, c)	(S, 0)	(V, 0)	(V, v)	(S, v)	order
1	1	1	62	2	231	5	-	-	2
2	1	1	35	11	207	5	-	-	3
3	1	1	29	5	207	5	-	-	3
4	1	1	26	14	231	5	-	-	3
5	1	1	22	10	215	5	-	-	3
6	1	1	20	8	207	5	-	-	4
7	1	1	19	19	181	5	-	-	3
8	1	0	41	5	243	6	-	44	3
9	1	0	37	1	235	6	-	36	3
10	1	0	30	6	257	6	-	42	3
11	1	0	28	4	253	6	-	38	3
12	1	0	26	2	251	8	-	32	4
13	1	0	26	2	245	6	-	32	4
14	1	0	21	9	255	6	-	38	3
15	1	0	21	9	249	8	-	36	3
16	1	0	21	9	247	6	-	34	4
17	1	0	19	7	251	6	-	34	3
18	1	0	19	7	243	6	-	30	4
19	1	0	17	5	243	6	-	28	4
20	1	0	26	26	321	6	0	74	3
21	1	0	18	18	287	11	2	46	3
22	1	0	16	16	301	6	0	54	3
23	1	0	16	16	243	11	2	38	4
24	1	0	14	14	249	6	0	34	3
25	1	0	14	14	245	6	0	32	4

(1, 1, 1, 1, 8, 13)									
nr.	N_R	N_L	(S, s)	(S, c)	(S, 0)	(V, 0)	(V, v)	(S, v)	order
1	1	1	41	17	249	5	-	-	1
2	1	0	48	0	309	8	-	54	3
3	1	0	20	20	313	11	2	52	3
4	2	0	0	0	214	2	8	20	3
5	2	2	20	-	134	10	-	-	2

(1, 1, 1, 1, 10, 10)									
nr.	N_R	N_L	(S, s)	(S, c)	(S, 0)	(V, 0)	(V, v)	(S, v)	order
1	1	1	79	7	321	5	-	-	1
2	1	1	57	9	249	5	-	-	2
3	1	1	40	4	219	5	-	-	2
4	1	1	39	15	321	5	-	-	2
5	1	1	31	7	229	5	-	-	2
6	1	1	27	3	219	5	-	-	3
7	1	1	24	12	183	5	-	-	2
8	1	1	25	25	249	5	-	-	2
9	1	1	23	23	209	5	-	-	2
10	1	1	17	17	229	5	-	-	2
11	1	1	13	13	183	5	-	-	3
12	1	1	11	11	209	5	-	-	3
13	1	0	48	0	429	8	-	78	2

(1, 1, 1, 1, 10, 10) (continued)									
nr.	N_R	N_L	(S,s)	(S,c)	(S,0)	(V,0)	(V,v)	(S,v)	order
14	1	0	48	0	309	8	-	54	3
15	1	0	48	0	263	6	-	46	2
16	1	0	37	1	265	6	-	42	2
17	1	0	34	10	339	6	-	66	2
18	1	0	32	8	271	6	-	44	2
19	1	0	30	6	275	6	-	46	2
20	1	0	30	6	275	6	-	44	2
21	1	0	30	6	259	6	-	40	2
22	1	0	26	2	323	6	-	50	2
23	1	0	26	2	277	8	-	38	3
24	1	0	26	2	275	6	-	38	2
25	1	0	26	2	271	6	-	38	3
26	1	0	26	2	251	6	-	32	3
27	1	0	33	21	305	6	-	64	2
28	1	0	25	13	265	6	-	40	2
29	1	0	23	11	261	6	-	36	2
30	1	0	21	9	281	6	-	40	2
31	1	0	21	9	273	8	-	42	2
32	1	0	21	9	269	6	-	40	3
33	1	0	21	9	265	6	-	36	2
34	1	0	21	9	265	6	-	36	3
35	1	0	21	9	245	6	-	28	3
36	1	0	21	9	213	8	-	30	2
37	1	0	19	7	277	6	-	40	3
38	1	0	19	7	265	6	-	34	3
39	1	0	19	7	257	6	-	30	3
40	1	0	24	24	409	11	2	68	2
41	1	0	20	20	313	11	2	52	2
42	1	0	16	16	333	8	0	54	2
43	1	0	16	16	307	6	0	54	2
44	1	0	16	16	303	6	0	54	2
45	1	0	16	16	263	11	2	40	4
46	1	0	14	14	305	11	2	48	2
47	1	0	14	14	275	6	0	38	2
48	1	0	14	14	273	11	2	38	3
49	1	0	14	14	271	6	0	38	3
50	1	0	14	14	259	11	2	36	3
51	1	0	14	14	257	8	0	32	2
52	1	0	14	14	245	11	2	36	3
53	1	0	14	14	215	11	2	32	3

(1, 1, 1, 1, 10, 10) (continued)									
nr.	N_R	N_L	(S,s)	(S,c)	(S,0)	(V,0)	(V,v)	(S,v)	order
54	1	0	12	12	337	11	2	52	2
55	1	0	12	12	277	8	0	34	3
56	1	0	12	12	271	13	2	40	3
57	1	0	12	12	271	6	0	34	2
58	1	0	12	12	269	11	2	32	3
59	1	0	12	12	269	11	2	34	3
60	1	0	12	12	261	8	0	38	3
61	1	0	12	12	241	11	2	28	3
62	1	0	12	12	211	11	2	28	3
63	1	0	10	10	267	11	2	34	3
64	1	0	10	10	267	6	0	30	3
65	1	0	10	10	261	11	2	30	3
66	1	0	10	10	253	11	2	32	3
67	1	0	8	8	299	10	0	38	3
68	1	0	8	8	287	6	0	38	3
69	1	0	8	8	219	11	2	26	3
70	1	0	4	4	297	11	2	36	3
71	1	0	0	0	247	2	8	22	4
72	1	2	12	-	147	10	-	-	3
73	2	1	12	12	162	5	-	-	3
74	2	0	16	16	214	13	2	40	2
75	2	0	16	16	210	11	2	40	2
76	2	0	12	12	194	8	0	28	3
77	2	0	12	12	190	6	0	28	3
78	2	0	8	8	198	13	2	24	3
79	2	0	8	8	190	10	0	20	4
80	2	0	6	6	190	11	2	20	3
81	2	0	4	4	186	11	2	16	4
82	2	0	0	0	214	2	8	20	3
83	2	2	20	-	134	10	-	-	2
84	2	2	8	-	158	10	-	-	4

(1,1,1,1,10,10*)									
nr.	N_R	N_L	(S,s)	(S,c)	(S,0)	(V,0)	(V,v)	(S,v)	order
1	1	1	62	2	250	6	-	-	2
2	1	1	26	14	250	6	-	-	3
3	1	0	48	0	310	9	-	54	3
4	1	0	30	6	298	9	-	42	4
5	1	0	22	22	334	9	1	55	3
6	1	0	18	18	310	12	2	48	3
7	1	0	16	16	334	13	1	43	3
8	1	0	14	14	318	9	1	39	4
9	1	0	12	12	338	14	3	41	4
10	1	0	12	12	326	13	1	35	4
11	1	0	12	12	298	12	2	36	4
12	1	0	8	8	330	14	3	33	4
13	2	0	16	16	228	18	3	42	4
14	2	0	12	12	216	18	2	32	4
15	2	0	8	8	228	26	3	26	4
16	2	0	8	8	212	18	3	26	5
17	2	0	0	0	236	5	9	22	4
18	2	0	0	0	216	3	8	20	4
19	2	2	20	-	136	11	-	-	3
20	2	2	8	-	160	11	-	-	4

(1,1,1,1,10*,10*)									
nr.	N_R	N_L	(S,s)	(S,c)	(S,0)	(V,0)	(V,v)	(S,v)	order
1	2	0	16	16	236	17	4	44	4
2	2	0	0	0	412	11	8	44	4
3	2	0	0	0	380	8	6	40	4
4	2	2	20	-	140	11	-	-	3
5	4	0	-	-	-	16	10	-	5
6	4	0	-	-	-	8	10	-	5
7	4	0	-	-	-	2	14	-	5
8	4	4	-	-	-	22	-	-	4

(1,1,1,2,3,18)									
nr.	N_R	N_L	(S,s)	(S,c)	(S,0)	(V,0)	(V,v)	(S,v)	order
1	2	0	16	16	226	17	3	42	2
2	2	2	20	-	134	10	-	-	1

(1,1,1,2,4,10)									
nr.	N_R	N_L	(S,s)	(S,c)	(S,0)	(V,0)	(V,v)	(S,v)	order
1	1	1	62	2	250	6	-	-	2
2	1	1	62	2	249	5	-	-	1
3	1	1	35	11	229	7	-	-	2
4	1	1	35	11	213	5	-	-	2
5	1	1	26	14	250	6	-	-	2
6	1	1	24	12	225	5	-	-	2
7	1	1	17	17	213	5	-	-	2
8	1	0	48	0	310	9	-	54	2
9	1	0	48	0	219	12	-	40	2
10	1	0	41	5	269	6	-	50	2
11	1	0	41	5	251	6	-	44	2
12	1	0	39	3	247	8	-	40	2
13	1	0	37	1	243	8	-	36	2
14	1	0	30	6	298	9	-	42	2
15	1	0	30	6	259	6	-	40	2
16	1	0	30	6	231	10	-	30	2
17	1	0	28	4	263	6	-	38	2
18	1	0	28	4	255	6	-	36	2
19	1	0	26	2	233	8	-	26	2
20	1	0	23	11	257	6	-	38	2
21	1	0	23	11	255	8	-	36	2
22	1	0	21	9	239	6	-	32	2
23	1	0	21	9	231	8	-	30	2
24	1	0	22	22	351	8	1	61	2
25	1	0	22	22	334	9	1	55	3
26	1	0	22	22	291	6	0	54	2
27	1	0	18	18	310	12	2	48	2
28	1	0	18	18	309	11	2	48	2
29	1	0	16	16	349	10	1	55	2
30	1	0	16	16	334	13	1	43	3
31	1	0	16	16	245	11	2	38	3
32	1	0	16	16	237	8	0	30	2

(1, 1, 1, 2, 4, 10) (continued)									
nr.	N_R	N_L	(S, s)	(S, c)	(S, 0)	(V, 0)	(V, v)	(S, v)	order
33	1	0	14	14	318	9	1	39	3
34	1	0	14	14	307	8	1	41	2
35	1	0	14	14	299	10	1	39	2
36	1	0	14	14	281	12	1	33	2
37	1	0	14	14	265	13	2	36	3
38	1	0	14	14	251	6	0	32	2
39	1	0	14	14	245	11	2	32	2
40	1	0	14	14	241	11	2	34	2
41	1	0	14	14	221	8	0	26	2
42	1	0	12	12	338	14	3	41	3
43	1	0	12	12	333	13	3	43	2
44	1	0	12	12	326	13	1	35	3
45	1	0	12	12	323	17	3	41	3
46	1	0	12	12	319	8	1	47	2
47	1	0	12	12	305	8	1	39	2
48	1	0	12	12	299	8	1	39	2
49	1	0	12	12	298	12	2	36	3
50	1	0	12	12	289	11	2	40	2
51	1	0	12	12	257	11	2	32	3
52	1	0	12	12	213	17	2	22	3
53	1	0	12	12	209	13	2	30	3
54	1	0	10	10	267	11	2	32	3
55	1	0	8	8	330	14	3	33	3
56	1	0	8	8	297	13	3	31	3
57	1	0	8	8	297	8	1	31	3
58	1	0	8	8	245	11	2	26	3
59	1	0	8	8	237	11	2	24	3
60	1	0	4	4	343	13	3	37	3
61	1	2	12	-	193	10	-	-	3
62	2	1	12	12	166	7	-	-	3
63	2	0	16	16	228	18	3	42	3
64	2	0	16	16	226	17	3	42	2
65	2	0	16	16	214	13	2	40	2
66	2	0	12	12	216	18	2	32	3
67	2	0	12	12	202	12	0	28	4
68	2	0	12	12	198	10	1	30	4
69	2	0	8	8	228	26	3	26	4
70	2	0	8	8	212	18	3	26	4
71	2	0	6	6	190	11	2	20	3
72	2	0	4	4	198	17	2	16	4

(1, 1, 1, 2, 4, 10) (continued)									
nr.	N_R	N_L	(S, s)	(S, c)	(S, 0)	(V, 0)	(V, v)	(S, v)	order
73	2	2	20	-	136	11	-	-	2
74	2	2	20	-	134	10	-	-	2
75	2	2	8	-	160	11	-	-	3

(1, 1, 1, 2, 4, 10*)									
nr.	N_R	N_L	(S, s)	(S, c)	(S, 0)	(V, 0)	(V, v)	(S, v)	order
1	1	1	35	11	231	7	-	-	2
2	1	0	48	0	255	14	-	42	3
3	1	0	16	16	351	21	2	44	3
4	1	0	16	16	271	13	2	40	3
5	1	0	12	12	361	11	2	48	3
6	1	0	8	8	367	16	4	42	3
7	2	0	16	16	250	26	4	44	3
8	2	0	16	16	236	17	4	44	3
9	2	0	0	0	412	11	8	44	4
10	2	0	0	0	380	8	6	40	4
11	2	0	0	0	258	7	10	24	4
12	2	0	0	0	218	4	8	20	4
13	2	2	20	-	146	16	-	-	3
14	2	2	20	-	140	11	-	-	3
15	4	0	-	-	-	16	10	-	4
16	4	0	-	-	-	8	10	-	4
17	4	4	-	-	-	22	-	-	3

(1, 1, 1, 2, 6, 6)									
nr.	N_R	N_L	(S, s)	(S, c)	(S, 0)	(V, 0)	(V, v)	(S, v)	order
1	2	0	16	16	226	17	3	42	3
2	2	0	16	16	214	13	2	40	2
3	2	2	20	-	134	10	-	-	1

(1, 1, 1, 3, 3, 8)									
nr.	N_R	N_L	(S, s)	(S, c)	(S, 0)	(V, 0)	(V, v)	(S, v)	order
1	2	0	16	16	218	15	2	40	2
2	2	2	20	-	134	10	-	-	1

(1, 1, 1, 4, 4, 4)									
nr.	N_R	N_L	(S, s)	(S, c)	(S, 0)	(V, 0)	(V, v)	(S, v)	order
1	1	1	84	0	285	5	-	-	1
2	1	1	84	0	252	8	-	-	3
3	1	1	73	1	250	6	-	-	2
4	1	1	51	3	261	11	-	-	3
5	1	1	51	3	253	7	-	-	2
6	1	1	51	3	250	6	-	-	2
7	1	1	51	3	213	5	-	-	3
8	1	1	40	4	252	8	-	-	3
9	1	1	40	4	213	5	-	-	2
10	1	1	36	0	270	14	-	-	3
11	1	1	36	0	229	7	-	-	3
12	1	1	36	0	213	5	-	-	3
13	1	1	35	11	232	8	-	-	2
14	1	1	33	9	250	6	-	-	2
15	1	1	31	7	237	5	-	-	2
16	1	1	29	5	232	8	-	-	2
17	1	1	29	5	226	6	-	-	2
18	1	1	27	3	252	8	-	-	3
19	1	1	27	3	213	5	-	-	3
20	1	1	25	1	226	6	-	-	3
21	1	1	24	12	252	8	-	-	3
22	1	1	24	12	214	6	-	-	2
23	1	1	24	12	213	5	-	-	2
24	1	1	22	10	213	5	-	-	3
25	1	1	20	8	232	8	-	-	3
26	1	1	20	8	223	5	-	-	3
27	1	1	20	8	207	7	-	-	3
28	1	1	20	8	205	7	-	-	3
29	1	1	18	6	270	14	-	-	4
30	1	1	18	6	252	8	-	-	3
31	1	1	18	6	214	6	-	-	3
32	1	1	18	6	213	5	-	-	3

(1, 1, 1, 4, 4, 4) (continued)									
nr.	N_R	N_L	(S, s)	(S, c)	(S, 0)	(V, 0)	(V, v)	(S, v)	order
33	1	1	18	6	201	5	-	-	3
34	1	1	16	4	252	8	-	-	3
35	1	1	16	4	214	6	-	-	3
36	1	1	16	4	201	5	-	-	3
37	1	1	19	19	250	6	-	-	2
38	1	1	19	19	213	5	-	-	2
39	1	1	19	19	205	7	-	-	3
40	1	1	17	17	213	5	-	-	3
41	1	1	15	15	213	5	-	-	3
42	1	1	13	13	252	8	-	-	3
43	1	1	13	13	226	6	-	-	3
44	1	1	13	13	214	6	-	-	3
45	1	1	11	11	232	8	-	-	3
46	1	1	11	11	226	6	-	-	3
47	1	1	11	11	201	5	-	-	3
48	1	1	9	9	252	8	-	-	3
49	1	1	9	9	214	6	-	-	3
50	1	1	9	9	189	5	-	-	3
51	1	1	9	9	177	5	-	-	3
52	1	0	50	2	261	8	-	48	2
53	1	0	48	0	312	11	-	54	3
54	1	0	48	0	310	9	-	54	2
55	1	0	48	0	259	6	-	46	2
56	1	0	48	0	256	15	-	42	3
57	1	0	41	5	252	9	-	44	2
58	1	0	37	1	279	8	-	42	2
59	1	0	37	1	273	6	-	42	2
60	1	0	37	1	244	9	-	36	2
61	1	0	37	1	241	8	-	36	3
62	1	0	37	1	229	10	-	34	3
63	1	0	37	1	215	8	-	32	3
64	1	0	37	1	207	8	-	30	3
65	1	0	34	10	279	6	-	54	2
66	1	0	32	8	275	8	-	46	2
67	1	0	32	8	275	6	-	44	2
68	1	0	32	8	249	10	-	38	3
69	1	0	30	6	300	11	-	42	3
70	1	0	30	6	298	9	-	42	2
71	1	0	30	6	260	7	-	40	2
72	1	0	30	6	247	6	-	40	2

(1, 1, 1, 4, 4, 4) (continued)									
nr.	N_R	N_L	(S, s)	(S, c)	(S, 0)	(V, 0)	(V, v)	(S, v)	order
73	1	0	30	6	244	15	-	30	3
74	1	0	30	6	239	6	-	38	2
75	1	0	30	6	237	8	-	36	3
76	1	0	30	6	229	8	-	34	3
77	1	0	28	4	291	6	-	42	2
78	1	0	28	4	256	7	-	36	2
79	1	0	28	4	243	6	-	36	3
80	1	0	28	4	235	6	-	34	3
81	1	0	28	4	233	8	-	32	3
82	1	0	26	2	310	17	-	34	3
83	1	0	26	2	292	11	-	34	3
84	1	0	26	2	257	6	-	34	3
85	1	0	26	2	256	11	-	30	3
86	1	0	26	2	252	7	-	32	3
87	1	0	26	2	250	9	-	30	3
88	1	0	26	2	247	8	-	30	3
89	1	0	26	2	247	6	-	34	3
90	1	0	26	2	245	8	-	32	3
91	1	0	26	2	239	6	-	32	3
92	1	0	26	2	237	8	-	30	3
93	1	0	26	2	231	6	-	30	3
94	1	0	26	2	223	6	-	28	3
95	1	0	26	2	215	6	-	26	5
96	1	0	33	21	313	6	-	64	2
97	1	0	33	21	302	7	-	64	2
98	1	0	25	13	281	6	-	44	2
99	1	0	25	13	239	8	-	38	2
100	1	0	23	11	282	7	-	44	2
101	1	0	23	11	269	6	-	44	2
102	1	0	21	9	294	11	-	36	3
103	1	0	21	9	281	8	-	40	3
104	1	0	21	9	278	7	-	40	3
105	1	0	21	9	268	9	-	36	3
106	1	0	21	9	265	6	-	34	2
107	1	0	21	9	262	7	-	36	3
108	1	0	21	9	259	6	-	36	3
109	1	0	21	9	257	6	-	38	2
110	1	0	21	9	254	7	-	34	3
111	1	0	21	9	252	9	-	32	3
112	1	0	21	9	249	6	-	36	2

(1, 1, 1, 4, 4, 4) (continued)									
nr.	N_R	N_L	(S, s)	(S, c)	(S, 0)	(V, 0)	(V, v)	(S, v)	order
113	1	0	21	9	241	6	-	34	3
114	1	0	21	9	233	6	-	32	2
115	1	0	21	9	232	9	-	30	3
116	1	0	21	9	231	8	-	30	2
117	1	0	21	9	221	10	-	26	3
118	1	0	21	9	219	8	-	30	3
119	1	0	19	7	290	11	-	32	3
120	1	0	19	7	274	7	-	36	3
121	1	0	19	7	261	6	-	36	3
122	1	0	19	7	258	7	-	32	3
123	1	0	19	7	250	7	-	30	3
124	1	0	19	7	249	6	-	36	3
125	1	0	19	7	248	9	-	28	3
126	1	0	19	7	245	6	-	32	2
127	1	0	19	7	243	8	-	30	3
128	1	0	19	7	237	6	-	30	3
129	1	0	19	7	235	8	-	28	3
130	1	0	19	7	232	9	-	24	3
131	1	0	19	7	229	6	-	28	3
132	1	0	19	7	227	8	-	26	3
133	1	0	19	7	225	6	-	30	2
134	1	0	19	7	221	6	-	26	3
135	1	0	19	7	219	8	-	24	4
136	1	0	19	7	217	6	-	28	3
137	1	0	19	7	215	8	-	26	4
138	1	0	19	7	213	6	-	24	3
139	1	0	17	5	286	11	-	28	3
140	1	0	17	5	260	9	-	28	3
141	1	0	17	5	254	7	-	28	3
142	1	0	17	5	249	6	-	30	3
143	1	0	17	5	246	7	-	26	3
144	1	0	17	5	244	9	-	24	3
145	1	0	17	5	241	6	-	28	3
146	1	0	17	5	239	8	-	26	3
147	1	0	17	5	233	6	-	26	3
148	1	0	17	5	225	6	-	24	3
149	1	0	17	5	224	9	-	22	3
150	1	0	17	5	213	6	-	24	3
151	1	0	17	5	205	6	-	22	3
152	1	0	17	5	203	8	-	20	3