

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
column 1: No. of vector																														
columns i=2 til 13: number of reduced general magic 4x4-squares, belonging to all representatives of equivalence-class No. (i-1) [for equivalence classes see rows 169 til 180 at the end of this file]																														
column 14: smallest N, where the values for vector [(01),(02),...,(12)] appears.																														
columns 15 til 29: differences for the elements of the symmetric set (which contains the number 1).																														
column 30: number of reduced general magic squares for the symmetric set (sum of the 12 vector components)																														
	(01)	(02)	(03)	(04)	(05)	(06)	(07)	(08)	(09)	(10)	(11)	(12)	N																	
1	48	56	4	0	0	0	0	76	0	12	0	24	16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	220
2	48	52	4	0	0	0	0	120	0	12	0	24	17	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	260
3	48	40	4	0	0	2	0	64	0	12	4	24	18	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	198
4	0	8	0	0	0	0	0	20	0	0	4	0	18	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	32
5	0	12	0	0	0	0	0	12	0	0	0	0	18	1	1	1	1	1	2	1	1	1	2	1	1	1	1	1	1	24
6	0	12	0	0	0	0	0	24	0	0	0	0	18	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1	1	36
7	48	28	6	0	0	2	0	96	0	12	4	24	18	1	1	1	2	1	1	1	1	1	1	1	1	2	1	1	1	220
8	0	8	0	0	0	0	0	20	0	0	0	0	18	1	1	2	1	1	1	1	1	1	1	1	1	1	2	1	1	28
9	0	8	0	0	0	0	0	16	0	0	0	0	18	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	24
10	48	44	6	0	0	0	0	84	0	12	0	24	18	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	218
11	48	36	2	0	0	0	0	84	0	12	0	24	19	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	206
12	0	0	0	0	0	0	0	0	0	0	0	0	19	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	0
13	0	16	0	0	0	0	0	48	0	0	0	0	19	1	1	1	1	1	2	1	2	1	2	1	1	1	1	1	1	64
14	48	36	2	0	0	2	0	80	0	12	4	24	19	1	1	1	2	1	1	1	2	1	1	1	2	1	1	1	1	208
15	0	20	0	0	0	0	0	48	0	0	0	0	19	1	2	1	1	1	1	1	2	1	1	1	1	1	1	2	1	68
16	48	36	2	0	0	0	0	56	0	12	0	24	20	1	1	1	1	1	1	1	5	1	1	1	1	1	1	1	1	178
17	0	0	0	0	0	0	0	12	0	0	0	0	20	1	1	1	1	1	1	2	3	2	1	1	1	1	1	1	1	12
18	0	4	0	0	0	0	0	20	2	0	0	0	20	1	1	1	1	1	1	3	1	3	1	1	1	1	1	1	1	26
19	0	8	0	0	0	0	0	8	0	0	4	0	20	1	1	1	1	1	2	1	3	1	2	1	1	1	1	1	1	20
20	0	8	0	0	0	0	0	44	0	0	4	0	20	1	1	1	1	1	2	2	1	2	2	1	1	1	1	1	1	56
21	0	16	0	0	0	0	0	12	0	0	0	0	20	1	1	1	1	1	3	1	1	1	3	1	1	1	1	1	1	28
22	0	0	0	0	0	0	0	4	0	0	0	0	20	1	1	1	1	2	1	1	3	1	1	2	1	1	1	1	1	4
23	0	8	0	0	0	0	0	24	0	0	0	0	20	1	1	1	1	2	1	2	1	2	1	2	1	1	1	1	1	32
24	0	8	0	0	0	0	0	28	0	0	0	0	20	1	1	1	1	2	2	1	1	1	2	2	1	1	1	1	1	36
25	48	24	4	0	0	2	0	76	0	12	4	24	20	1	1	1	2	1	1	1	3	1	1	1	2	1	1	1	1	194
26	0	12	0	0	0	0	0	8	0	0	0	0	20	1	1	1	2	1	2	1	1	1	2	1	2	1	1	1	1	20
27	48	24	4	0	0	0	0	76	0	12	0	24	20	1	1	1	3	1	1	1	1	1	1	1	1	3	1	1	1	188
28	0	12	0	0	0	0	0	20	0	0	0	0	20	1	1	2	1	1	1	1	3	1	1	1	1	1	2	1	1	32
29	0	0	0	0	0	0	0	8	0	0	0	0	20	1	1	2	1	1	2	1	1	1	2	1	1	2	1	1	1	8
30	0	4	0	0	0	0	0	20	0	0	0	0	20	1	2	1	1	1	1	1	3	1	1	1	1	1	1	2	1	24
31	48	24	4	0	0	0	0	88	0	12	0	24	20	1	2	1	1	1	2	1	1	1	2	1	1	1	1	2	1	200
32	0	4	0	0	0	0	0	16	0	0	0	0	20	1	2	1	1	2	1	1	1	1	1	2	1	1	2	1	1	20

33	48	28	6	0	0	0	0	84	0	12	0	24	20	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	202
34	48	28	6	0	0	2	0	72	0	12	4	24	20	2	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	2	196
35	0	8	0	0	0	0	0	12	0	0	0	0	20	2	1	1	1	2	1	1	1	1	1	2	1	1	1	1	2	20	
36	0	16	0	0	0	0	0	20	0	0	4	0	20	2	1	1	2	1	1	1	1	1	1	1	2	1	1	1	2	40	
37	48	40	4	0	0	0	0	76	0	12	0	24	20	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	204	
38	0	4	0	0	0	0	0	28	0	0	0	0	21	1	1	1	1	1	1	3	2	3	1	1	1	1	1	1	1	32	
39	0	4	0	0	0	0	0	24	0	0	0	0	21	1	1	1	1	1	2	1	4	1	2	1	1	1	1	1	1	28	
40	0	0	0	0	0	0	0	16	0	0	0	0	21	1	1	1	1	3	1	1	2	1	1	3	1	1	1	1	1	16	
41	48	24	4	0	0	2	0	80	0	12	4	24	21	1	1	1	2	1	1	1	4	1	1	1	2	1	1	1	1	198	
42	48	20	2	0	0	0	0	92	0	12	0	24	21	1	1	1	3	1	1	1	2	1	1	1	3	1	1	1	1	198	
43	0	16	0	0	0	0	0	56	0	0	4	0	21	1	1	2	1	1	1	2	2	2	1	1	1	2	1	1	1	76	
44	0	16	0	0	0	0	0	16	0	0	0	0	21	1	1	2	1	2	1	1	2	1	1	2	1	2	1	2	1	32	
45	48	16	8	0	0	0	0	88	0	12	0	24	21	1	2	1	1	1	2	1	2	1	2	1	1	1	2	1	1	196	
46	0	12	0	0	0	0	0	32	0	0	0	0	21	1	2	1	2	1	1	1	2	1	1	1	2	1	2	1	2	44	
47	0	16	0	0	0	0	0	56	0	0	0	0	21	2	1	1	1	2	1	1	2	1	1	2	1	1	1	2	1	72	
48	0	12	0	0	0	0	0	56	0	0	0	0	21	2	1	2	1	1	1	1	2	1	1	1	1	2	1	2	1	68	
49	0	24	0	0	0	0	0	40	0	0	0	0	21	3	1	1	1	1	1	1	2	1	1	1	1	1	1	1	3	64	
50	0	4	0	0	0	0	0	12	0	0	0	0	22	1	1	1	1	1	1	3	3	3	1	1	1	1	1	1	1	16	
51	0	4	0	0	0	0	0	8	0	0	0	0	22	1	1	1	1	1	2	1	5	1	2	1	1	1	1	1	1	12	
52	0	4	0	0	0	0	0	32	2	0	0	0	22	1	1	1	1	1	2	3	1	3	2	1	1	1	1	1	1	38	
53	0	12	0	0	0	0	2	12	0	0	4	0	22	1	1	1	1	1	3	1	3	1	3	1	1	1	1	1	1	30	
54	0	8	0	0	0	0	0	16	0	0	4	0	22	1	1	1	1	1	3	2	1	2	3	1	1	1	1	1	1	28	
55	0	12	0	0	0	0	0	4	0	0	0	0	22	1	1	1	1	1	4	1	1	1	4	1	1	1	1	1	1	16	
56	0	8	0	0	0	0	0	8	0	0	0	0	22	1	1	1	1	2	2	2	1	2	2	2	1	1	1	1	1	16	
57	0	4	0	0	0	0	0	32	0	0	0	0	22	1	1	1	1	2	3	1	1	1	3	2	1	1	1	1	1	36	
58	48	20	2	0	0	2	0	68	0	12	4	24	22	1	1	1	2	1	1	1	5	1	1	1	2	1	1	1	1	180	
59	0	0	0	0	0	0	0	28	0	0	0	0	22	1	1	1	2	2	1	2	1	2	1	2	2	1	1	1	1	28	
60	0	12	0	0	0	0	0	16	0	0	0	0	22	1	1	1	2	2	2	1	1	1	2	2	2	1	1	1	1	28	
61	48	32	0	0	0	0	0	48	0	12	0	24	22	1	1	1	3	1	1	1	3	1	1	1	3	1	1	1	1	164	
62	48	20	2	0	0	0	0	80	0	12	0	24	22	1	1	1	4	1	1	1	1	1	1	1	1	4	1	1	1	186	
63	48	8	4	0	0	0	0	88	0	12	0	24	22	1	2	1	1	1	2	1	3	1	2	1	1	1	1	2	1	184	
64	0	8	0	0	0	0	0	32	0	0	0	0	22	1	2	3	1	1	1	1	1	1	1	1	1	3	2	1	40		
65	0	16	0	0	0	0	0	24	0	0	4	0	22	1	3	1	1	1	1	1	3	1	1	1	1	1	3	1	44		
66	48	12	6	0	0	0	0	96	2	12	0	24	22	1	3	1	2	1	1	1	1	1	1	1	2	1	3	1	200		
67	48	20	2	0	0	0	0	68	0	12	0	24	22	2	1	1	1	1	1	2	3	2	1	1	1	1	1	1	2	174	
68	0	16	0	0	0	0	0	8	0	0	4	0	22	2	1	1	2	1	1	2	1	2	1	1	2	1	1	2	2	28	
69	48	36	2	0	0	2	0	56	0	12	4	24	22	2	2	1	1	1	2	1	1	1	2	1	1	1	2	2	184		
70	0	12	0	0	0	0	0	20	2	0	0	0	22	2	2	1	2	1	1	1	1	1	1	1	2	1	2	2	34		
71	48	36	2	0	0	0	0	68	0	12	0	24	22	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	190	
72	48	24	4	0	0	0	0	100	0	12	0	24	22	3	2	1	1	1	1	1	1	1	1	1	1	1	1	2	3	212	
73	0	12	0	2	2	0	0	16	0	0	0	0	22	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	32	
74	0	4	0	0	0	0	0	36	0	0	0	0	23	1	1	1	1	1	2	3	2	3	2	1	1	1	1	1	1	40	

75	0	16	0	0	0	0	0	40	0	0	0	0	23	1	1	1	1	1	4	1	2	1	4	1	1	1	1	1	1	1	56
76	0	0	0	0	0	0	0	20	0	0	0	0	23	1	1	1	1	3	2	1	2	1	2	3	1	1	1	1	1	1	20
77	48	20	2	0	0	2	0	56	0	12	4	24	23	1	1	1	2	1	1	1	6	1	1	1	2	1	1	1	1	168	
78	48	20	2	0	0	0	0	84	0	12	0	24	23	1	1	1	4	1	1	1	2	1	1	1	4	1	1	1	1	190	
79	0	12	0	0	0	0	2	20	0	0	4	0	23	1	1	2	2	2	1	1	2	1	1	2	2	2	2	1	1	38	
80	0	12	0	0	0	0	0	36	0	0	0	0	23	1	1	3	1	1	1	1	4	1	1	1	1	1	3	1	1	48	
81	0	4	0	0	0	0	0	48	0	0	0	0	23	1	2	1	1	1	1	3	2	3	1	1	1	1	1	2	1	52	
82	48	12	6	0	0	0	0	84	0	12	0	24	23	1	2	1	1	1	2	1	4	1	2	1	1	1	1	2	1	186	
83	0	8	0	0	0	0	0	48	0	0	0	0	23	1	2	1	1	2	1	2	2	2	1	2	1	1	1	2	1	56	
84	0	12	0	0	0	0	0	40	0	0	0	0	23	1	2	1	1	3	1	1	2	1	1	3	1	1	1	2	1	52	
85	0	4	0	0	0	0	0	40	0	0	0	0	23	1	2	1	3	1	1	1	2	1	1	1	3	1	2	1	44		
86	0	12	0	0	0	0	0	48	0	0	0	0	23	1	3	1	1	1	2	1	2	1	2	1	1	1	1	3	1	60	
87	0	20	0	0	0	0	0	32	0	0	4	0	23	2	1	1	2	1	1	2	2	2	1	1	2	1	1	2	1	56	
88	0	8	0	0	0	0	0	40	0	0	4	0	23	2	1	2	1	1	1	1	4	1	1	1	1	1	2	1	2	52	
89	0	20	0	0	0	0	0	32	0	0	0	0	23	2	2	2	1	1	1	1	2	1	1	1	1	1	2	2	2	52	
90	0	24	0	0	0	0	0	48	0	0	0	0	23	3	2	1	1	1	1	1	2	1	1	1	1	1	1	2	3	72	
91	0	4	0	0	0	0	0	16	2	0	0	0	24	1	1	1	1	1	3	3	1	3	3	1	1	1	1	1	1	22	
92	0	8	0	0	0	0	0	4	0	0	4	0	24	1	1	1	1	1	4	1	3	1	4	1	1	1	1	1	1	16	
93	0	8	0	0	0	0	0	28	0	0	4	0	24	1	1	1	1	1	4	2	1	2	4	1	1	1	1	1	1	40	
94	0	12	0	0	0	0	0	0	0	0	0	0	24	1	1	1	1	1	5	1	1	1	5	1	1	1	1	1	1	12	
95	0	0	0	0	0	0	0	32	0	0	0	0	24	1	1	1	2	1	3	1	3	1	3	1	2	1	1	1	1	32	
96	0	0	0	0	0	0	0	24	0	0	0	0	24	1	1	1	2	3	2	1	1	1	2	3	2	1	1	1	1	24	
97	48	20	2	0	0	0	0	56	0	12	0	24	24	1	1	1	3	1	1	1	5	1	1	1	3	1	1	1	162		
98	0	8	0	0	0	0	0	0	0	0	0	0	24	1	1	1	4	1	2	1	1	1	2	1	4	1	1	1	8		
99	0	16	0	0	0	0	0	4	0	0	0	0	24	1	1	2	1	2	1	1	5	1	1	2	1	2	1	1	20		
100	0	12	0	0	0	0	2	4	0	0	4	0	24	1	1	2	2	2	1	1	3	1	1	2	2	2	2	1	1	22	
101	0	8	0	0	0	0	0	12	0	0	4	0	24	1	1	4	2	1	1	1	1	1	1	1	1	2	4	1	1	24	
102	48	8	4	0	0	0	0	76	0	12	0	24	24	1	2	1	1	1	2	1	5	1	2	1	1	1	1	2	1	172	
103	48	4	2	0	0	0	0	92	0	12	0	24	24	1	2	1	3	1	2	1	1	1	2	1	3	1	2	1	182		
104	0	8	0	0	0	0	0	36	2	0	0	0	24	1	2	3	2	1	1	1	1	1	1	1	2	3	2	1	46		
105	0	4	0	0	0	0	0	44	0	0	0	0	24	1	3	1	2	1	1	1	3	1	1	1	2	1	3	1	48		
106	0	12	0	0	0	0	2	24	0	0	4	0	24	2	1	1	1	2	1	3	1	3	1	2	1	1	1	2	42		
107	48	24	4	0	0	2	0	64	0	12	4	24	24	2	2	2	1	2	1	1	1	1	1	2	1	2	2	2	182		
108	48	24	4	0	0	0	0	64	0	12	0	24	24	2	3	1	1	1	2	1	1	1	2	1	1	1	3	2	176		
109	0	16	0	0	0	0	0	12	0	0	4	0	24	3	1	2	1	1	1	2	1	2	1	1	1	2	1	3	32		
110	0	12	0	0	0	0	0	28	0	0	0	0	24	3	2	1	1	2	1	1	1	1	1	2	1	1	2	3	40		
111	0	16	0	0	0	0	0	24	0	0	0	0	25	1	1	1	1	1	5	1	2	1	5	1	1	1	1	1	40		
112	0	4	0	0	0	0	0	4	0	0	0	0	25	1	1	1	2	1	2	1	6	1	2	1	2	1	1	1	8		
113	48	16	0	0	0	0	0	60	0	12	0	24	25	1	1	1	3	1	1	1	6	1	1	1	3	1	1	1	160		
114	48	16	0	0	0	0	0	88	0	12	0	24	25	1	1	1	5	1	1	1	2	1	1	1	5	1	1	1	188		
115	0	8	0	0	0	0	0	36	0	0	4	0	25	1	1	2	1	1	3	2	2	2	3	1	1	2	1	1	48		
116	0	12	0	0	0	0	2	8	0	0	4	0	25	1	1	2	2	2	1	1	4	1	1	2	2	2	1	1	26		

117	0	8	0	0	0	0	0	40	0	0	0	0	25	1	1	3	1	1	1	3	2	3	1	1	1	3	1	1	48
118	48	8	4	0	0	0	0	64	0	12	0	24	25	1	2	1	1	1	2	1	6	1	2	1	1	1	2	1	160
119	48	16	0	0	0	0	0	72	0	12	0	24	25	1	2	1	2	1	2	1	4	1	2	1	2	1	2	1	172
120	48	12	6	0	0	0	0	72	0	12	0	24	25	1	2	1	3	1	2	1	2	1	2	1	3	1	2	1	174
121	48	8	4	0	0	0	0	84	0	12	0	24	25	1	3	1	1	1	3	1	2	1	3	1	1	1	3	1	180
122	0	8	0	0	0	0	0	36	0	0	0	0	25	2	1	1	1	2	1	1	6	1	1	2	1	1	1	2	44
123	0	16	0	0	0	0	0	4	0	0	4	0	25	2	1	1	2	1	1	2	4	2	1	1	2	1	1	2	24
124	0	0	0	0	0	0	0	36	0	0	0	0	25	2	1	2	1	1	2	1	4	1	2	1	1	2	1	2	36
125	48	16	0	0	0	0	0	84	0	12	0	24	25	2	1	2	1	2	1	2	2	2	1	2	1	2	1	2	184
126	0	8	0	0	0	0	0	56	0	0	0	0	25	2	1	2	2	1	1	1	4	1	1	1	2	2	1	2	64
127	0	4	0	0	0	0	0	24	2	0	0	0	25	2	2	1	1	2	2	1	2	1	2	2	1	1	2	2	30
128	48	8	4	0	0	0	0	96	0	12	0	24	25	2	3	2	1	1	1	1	2	1	1	1	1	2	3	2	192
129	48	20	2	0	0	0	0	96	0	12	0	24	25	3	1	2	1	2	1	1	2	1	1	2	1	2	1	3	202
130	48	32	0	0	0	0	0	80	0	12	0	24	25	3	2	1	2	1	1	1	2	1	1	1	2	1	2	3	196
131	0	4	0	0	0	0	0	28	2	0	0	0	26	1	1	1	1	1	4	3	1	3	4	1	1	1	1	1	34
132	0	8	0	0	0	0	0	0	0	0	4	0	26	1	1	1	1	1	5	1	3	1	5	1	1	1	1	1	12
133	48	16	0	0	0	0	0	48	0	12	0	24	26	1	1	1	3	1	1	1	7	1	1	1	3	1	1	1	148
134	0	16	0	0	0	0	0	0	0	0	0	0	26	1	1	2	1	2	1	1	7	1	1	2	1	2	1	1	16
135	0	8	0	0	0	0	0	4	0	0	0	0	26	1	1	2	3	1	1	2	3	2	1	1	3	2	1	1	12
136	48	4	2	0	0	0	0	80	0	12	0	24	26	1	2	1	4	1	2	1	1	1	2	1	4	1	2	1	170
137	0	8	0	0	0	0	0	32	0	0	4	0	26	1	4	1	1	1	2	1	3	1	2	1	1	1	4	1	44
138	48	4	2	0	0	0	0	68	0	12	0	24	27	1	2	1	4	1	2	1	2	1	2	1	4	1	2	1	158
139	0	0	0	0	0	0	0	40	0	0	0	0	27	1	2	2	1	1	1	4	2	4	1	1	1	2	2	1	40
140	0	16	0	0	0	0	0	0	0	0	4	0	27	2	1	1	2	1	1	2	6	2	1	1	2	1	1	2	20
141	0	0	0	0	0	0	0	48	0	0	0	0	27	2	1	2	3	1	1	1	4	1	1	1	3	2	1	2	48
142	48	8	4	0	0	0	0	72	0	12	0	24	27	3	1	1	2	1	1	3	2	3	1	1	2	1	1	3	168
143	0	8	0	0	0	0	0	24	0	0	4	0	27	3	1	2	2	2	1	1	2	1	1	2	2	2	1	3	36
144	0	20	0	0	0	0	0	40	0	0	0	0	27	3	3	1	2	1	1	1	2	1	1	1	2	1	3	3	60
145	0	16	0	0	0	0	0	32	0	0	0	0	27	4	1	1	2	1	1	2	2	2	1	1	2	1	1	4	48
146	0	4	0	0	0	0	0	0	0	0	0	0	28	1	1	1	1	1	5	1	5	1	5	1	1	1	1	1	4
147	48	0	0	0	0	0	0	84	0	12	0	24	28	1	2	1	5	1	2	1	1	1	2	1	5	1	2	1	168
148	0	12	0	0	0	0	2	0	0	0	4	0	29	1	1	2	2	2	1	1	8	1	1	2	2	2	1	1	18
149	48	0	0	0	0	0	0	72	0	12	0	24	29	2	3	1	1	1	3	2	2	2	3	1	1	1	3	2	156
150	0	8	0	0	0	0	0	20	2	0	0	0	29	3	2	2	2	2	1	1	2	1	1	2	2	2	2	3	30
151	48	4	2	0	0	0	0	56	0	12	0	24	30	1	2	1	4	1	2	1	5	1	2	1	4	1	2	1	146
152	48	0	0	0	0	0	0	60	0	12	0	24	31	1	2	1	4	1	2	1	6	1	2	1	4	1	2	1	144
153	0	0	0	0	0	0	0	44	0	0	0	0	31	3	3	1	1	1	4	1	2	1	4	1	1	1	3	3	44
154	48	0	0	0	0	0	0	48	0	12	0	24	34	1	2	1	4	1	2	1	9	1	2	1	4	1	2	1	132

representatives of the 12 equivalence classes

(read row as 4x4-matrix and connect equal numbers by a line):

