

Table 4: A list of all 192 structurally distinct latin squares of order 5, constructed after table 1, 2, and 3 of this paper. The orientation of the centered patterns 1 up to 7 (shown in black) and the sequence of the 3rd row 1 2 3 4 5 has been kept constant. None of the given squares can be made identical with another one by means of rotation, reflection and/or permutation of the digits.

numbers 101 - 119 : All squares with centered pattern 1; the numbers between the brackets below give the supplementary four patterns, see table 1 of this paper.

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numbers 201 - 220: All squares with centered pattern 2, the supplementary patterns between the brackets below, see table 1.

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(10,11,12,15)	(10,12,20,21)	(11,12,16,23)	(11,12,20,23)	(11,14,15,15)																																																																																																																													
216	217	218	219	220																																																																																																																													
<table border="1"> <tr><td>2</td><td><b>3</b></td><td>4</td><td>5</td><td>1</td></tr> <tr><td><b>3</b></td><td>5</td><td>1</td><td>2</td><td>4</td></tr> <tr><td>1</td><td>2</td><td><b>3</b></td><td>4</td><td>5</td></tr> <tr><td>5</td><td>4</td><td>2</td><td>1</td><td><b>3</b></td></tr> <tr><td>4</td><td>1</td><td>5</td><td><b>3</b></td><td>2</td></tr> </table>	2	<b>3</b>	4	5	1	<b>3</b>	5	1	2	4	1	2	<b>3</b>	4	5	5	4	2	1	<b>3</b>	4	1	5	<b>3</b>	2	<table border="1"> <tr><td>5</td><td><b>3</b></td><td>1</td><td>2</td><td>4</td></tr> <tr><td><b>3</b></td><td>4</td><td>5</td><td>1</td><td>2</td></tr> <tr><td>1</td><td>2</td><td><b>3</b></td><td>4</td><td>5</td></tr> <tr><td>4</td><td>1</td><td>2</td><td>5</td><td><b>3</b></td></tr> <tr><td>2</td><td>5</td><td>4</td><td><b>3</b></td><td>1</td></tr> </table>	5	<b>3</b>	1	2	4	<b>3</b>	4	5	1	2	1	2	<b>3</b>	4	5	4	1	2	5	<b>3</b>	2	5	4	<b>3</b>	1	<table border="1"> <tr><td>4</td><td><b>3</b></td><td>1</td><td>5</td><td>2</td></tr> <tr><td><b>3</b></td><td>4</td><td>5</td><td>2</td><td>1</td></tr> <tr><td>1</td><td>2</td><td><b>3</b></td><td>4</td><td>5</td></tr> <tr><td>2</td><td>5</td><td>4</td><td>1</td><td><b>3</b></td></tr> <tr><td>5</td><td>1</td><td>2</td><td><b>3</b></td><td>4</td></tr> </table>	4	<b>3</b>	1	5	2	<b>3</b>	4	5	2	1	1	2	<b>3</b>	4	5	2	5	4	1	<b>3</b>	5	1	2	<b>3</b>	4	<table border="1"> <tr><td>2</td><td><b>3</b></td><td>4</td><td>5</td><td>1</td></tr> <tr><td><b>3</b></td><td>4</td><td>5</td><td>1</td><td>2</td></tr> <tr><td>1</td><td>2</td><td><b>3</b></td><td>4</td><td>5</td></tr> <tr><td>4</td><td>5</td><td>1</td><td>2</td><td><b>3</b></td></tr> <tr><td>5</td><td>1</td><td>2</td><td><b>3</b></td><td>4</td></tr> </table>	2	<b>3</b>	4	5	1	<b>3</b>	4	5	1	2	1	2	<b>3</b>	4	5	4	5	1	2	<b>3</b>	5	1	2	<b>3</b>	4	<table border="1"> <tr><td>4</td><td><b>3</b></td><td>2</td><td>5</td><td>1</td></tr> <tr><td><b>3</b></td><td>5</td><td>1</td><td>2</td><td>4</td></tr> <tr><td>1</td><td>2</td><td><b>3</b></td><td>4</td><td>5</td></tr> <tr><td>2</td><td>4</td><td>5</td><td>1</td><td><b>3</b></td></tr> <tr><td>5</td><td>1</td><td>4</td><td><b>3</b></td><td>2</td></tr> </table>	4	<b>3</b>	2	5	1	<b>3</b>	5	1	2	4	1	2	<b>3</b>	4	5	2	4	5	1	<b>3</b>	5	1	4	<b>3</b>	2
2	<b>3</b>	4	5	1																																																																																																																													
<b>3</b>	5	1	2	4																																																																																																																													
1	2	<b>3</b>	4	5																																																																																																																													
5	4	2	1	<b>3</b>																																																																																																																													
4	1	5	<b>3</b>	2																																																																																																																													
5	<b>3</b>	1	2	4																																																																																																																													
<b>3</b>	4	5	1	2																																																																																																																													
1	2	<b>3</b>	4	5																																																																																																																													
4	1	2	5	<b>3</b>																																																																																																																													
2	5	4	<b>3</b>	1																																																																																																																													
4	<b>3</b>	1	5	2																																																																																																																													
<b>3</b>	4	5	2	1																																																																																																																													
1	2	<b>3</b>	4	5																																																																																																																													
2	5	4	1	<b>3</b>																																																																																																																													
5	1	2	<b>3</b>	4																																																																																																																													
2	<b>3</b>	4	5	1																																																																																																																													
<b>3</b>	4	5	1	2																																																																																																																													
1	2	<b>3</b>	4	5																																																																																																																													
4	5	1	2	<b>3</b>																																																																																																																													
5	1	2	<b>3</b>	4																																																																																																																													
4	<b>3</b>	2	5	1																																																																																																																													
<b>3</b>	5	1	2	4																																																																																																																													
1	2	<b>3</b>	4	5																																																																																																																													
2	4	5	1	<b>3</b>																																																																																																																													
5	1	4	<b>3</b>	2																																																																																																																													
(11,15,17,20)	(12,13,16,17)	(14,15,20,20)	(16,16,20,20)	(17,17,21,21)																																																																																																																													

numbers 301 - 318: All squares with centered pattern 3; the supplementary patterns between the brackets below.

301	302	303	304	305
<b>3</b> 5 1 2 4 5 1 4 <b>3</b> 2 1 2 <b>3</b> 4 5 4 <b>3</b> 2 5 1 2 4 5 1 <b>3</b>	<b>3</b> 4 1 5 2 5 1 2 <b>3</b> 4 1 2 <b>3</b> 4 5 4 <b>3</b> 5 2 1 2 5 4 1 <b>3</b>	<b>3</b> 5 1 2 4 4 1 5 <b>3</b> 2 1 2 <b>3</b> 4 5 2 <b>3</b> 4 5 1 5 4 2 1 <b>3</b>	<b>3</b> 4 1 5 2 2 5 4 <b>3</b> 1 1 2 <b>3</b> 4 5 5 <b>3</b> 2 1 4 4 1 5 2 <b>3</b>	<b>3</b> 4 2 5 1 5 1 4 <b>3</b> 2 1 2 <b>3</b> 4 5 2 <b>3</b> 5 1 4 4 5 1 2 <b>3</b>
(8,8,13,13)	(8,11,18,18)	(8,21,22,23)	(10,10,15,15)	(10,12,18,18)

306	307	308	309	310
<b>3</b> 4 5 2 1 5 1 4 <b>3</b> 2 1 2 <b>3</b> 4 5 2 <b>3</b> 1 5 4 4 5 2 1 <b>3</b>	<b>3</b> 5 1 2 4 2 4 5 <b>3</b> 1 1 2 <b>3</b> 4 5 5 <b>3</b> 4 1 2 4 1 2 5 <b>3</b>	<b>3</b> 1 5 2 4 5 4 1 <b>3</b> 2 1 2 <b>3</b> 4 5 2 <b>3</b> 4 5 1 4 5 2 1 <b>3</b>	<b>3</b> 5 4 2 1 4 1 5 <b>3</b> 2 1 2 <b>3</b> 4 5 5 <b>3</b> 2 1 4 2 4 1 5 <b>3</b>	<b>3</b> 5 4 2 1 5 1 2 <b>3</b> 4 1 2 <b>3</b> 4 5 4 <b>3</b> 5 1 2 2 4 1 5 <b>3</b>
(10,19,21,23)	(11,15,18,18)	(11,19,23,23)	(12,13,18,18)	(12,22,23,23)

311	312	313	314	315
<b>3</b> 1 5 2 4 5 4 1 <b>3</b> 2 1 2 <b>3</b> 4 5 4 <b>3</b> 2 5 1 2 5 4 1 <b>3</b>	<b>3</b> 1 2 5 4 4 5 1 <b>3</b> 2 1 2 <b>3</b> 4 5 5 <b>3</b> 4 2 1 2 4 5 1 <b>3</b>	<b>3</b> 4 2 5 1 2 5 1 <b>3</b> 4 1 2 <b>3</b> 4 5 4 <b>3</b> 5 1 2 5 1 4 2 <b>3</b>	<b>3</b> 1 4 5 2 4 5 2 <b>3</b> 1 1 2 <b>3</b> 4 5 2 <b>3</b> 5 1 4 5 4 1 2 <b>3</b>	<b>3</b> 1 4 5 2 2 5 1 <b>3</b> 4 1 2 <b>3</b> 4 5 4 <b>3</b> 5 2 1 5 4 2 1 <b>3</b>
(13,17,19,23)	(15,17,22,23)	(17,17,18,23)	(17,18,19,22)	(17,21,23,23)

316	317	318							
<b>3</b> 4 5 2 1 5 1 2 <b>3</b> 4 1 2 <b>3</b> 4 5 4 <b>3</b> 1 5 2 2 5 4 1 <b>3</b>	<b>3</b> 5 4 2 1 4 1 5 <b>3</b> 2 1 2 <b>3</b> 4 5 2 <b>3</b> 1 5 4 5 4 2 1 <b>3</b>	<b>3</b> 4 5 1 2 5 1 2 <b>3</b> 4 1 2 <b>3</b> 4 5 2 <b>3</b> 4 5 1 4 5 1 2 <b>3</b>							
(18,19,21,22)	(18,21,21,23)	(19,19,22,22)							

numbers 401 - 417: All squares with centered pattern 4, the supplementary patterns between brackets below.

401	402	403	404	405
5 3 1 2 4 4 1 2 5 3 1 2 3 4 5 3 5 4 1 2 2 4 5 3 1	2 3 1 5 4 5 1 4 2 3 1 2 3 4 5 3 4 5 1 2 4 5 2 3 1	5 3 1 2 4 2 1 4 5 3 1 2 3 4 5 3 4 5 1 2 4 5 2 3 1	4 3 1 5 2 5 1 4 2 3 1 2 3 4 5 3 5 2 1 4 2 4 5 3 1	5 3 1 2 4 4 1 2 5 3 1 2 3 4 5 3 4 5 1 2 2 5 4 3 1
(9,12,22,22)	(9,14,17,18)	(9,14,18,21)	(9,14,19,22)	(9,16,21,22)

406	407	408	409	410
2 3 1 5 4 4 1 5 2 3 1 2 3 4 5 3 5 4 1 2 5 4 2 3 1	5 3 4 1 2 4 1 2 5 3 1 2 3 4 5 3 5 1 2 4 2 4 5 3 1	4 3 1 5 2 5 4 2 1 3 1 2 3 4 5 3 1 5 2 4 2 5 4 3 1	4 3 1 5 2 5 4 2 1 3 1 2 3 4 5 3 5 4 2 1 2 1 5 3 4	5 3 4 1 2 4 1 2 5 3 1 2 3 4 5 3 4 5 2 1 2 5 1 3 4
(9,17,20,22)	(11,12,16,18)	(11,12,18,20)	(11,14,19,19)	(11,17,19,21)

411	412	413	414	415
4 3 1 5 2 2 5 4 1 3 1 2 3 4 5 3 1 5 2 4 5 4 2 3 1	5 3 4 1 2 4 1 5 2 3 1 2 3 4 5 3 4 2 5 1 2 5 1 3 4	4 3 5 1 2 5 4 1 2 3 1 2 3 4 5 3 1 2 5 4 2 5 4 3 1	5 3 2 1 4 4 1 5 2 3 1 2 3 4 5 3 4 1 5 2 2 5 4 3 1	2 3 4 5 1 4 5 1 2 3 1 2 3 4 5 3 4 5 1 2 5 1 2 3 4
(12,17,21,22)	(14,16,17,19)	(14,19,20,21)	(16,16,16,16)	(17,17,17,17)

416	417				
4 3 2 5 1 2 4 5 1 3 1 2 3 4 5 3 5 1 2 4 5 1 4 3 2	5 3 4 1 2 2 4 1 5 3 1 2 3 4 5 3 1 5 2 4 4 5 2 3 1				
(20,20,20,20)	(21,21,21,21)				

numbers 501 - 531: All squares with centered pattern 5, the supplementary patterns between brackets below.

501	502	503	504	505
<b>3</b> 5 1 2 4 4 1 2 5 <b>3</b> 1 2 <b>3</b> 4 5 2 4 5 <b>3</b> 1 5 <b>3</b> 4 1 2	<b>3</b> 4 1 5 2 4 1 5 2 <b>3</b> 1 2 <b>3</b> 4 5 2 5 4 <b>3</b> 1 5 <b>3</b> 2 1 4	<b>3</b> 4 1 5 2 5 1 4 2 <b>3</b> 1 2 <b>3</b> 4 5 4 5 2 <b>3</b> 1 2 <b>3</b> 5 1 4	<b>3</b> 4 5 1 2 2 1 4 5 <b>3</b> 1 2 <b>3</b> 4 5 4 5 2 <b>3</b> 1 5 <b>3</b> 1 2 4	<b>3</b> 4 5 2 1 4 1 2 5 <b>3</b> 1 2 <b>3</b> 4 5 2 5 1 <b>3</b> 4 5 <b>3</b> 4 1 2
(8,10,16,16)	(8,13,20,20)	(8,14,19,22)	(9,10,19,22)	(9,10,21,23)

506	507	508	509	510
<b>3</b> 4 5 1 2 4 1 2 5 <b>3</b> 1 2 <b>3</b> 4 5 2 5 4 <b>3</b> 1 5 <b>3</b> 1 2 4	<b>3</b> 4 5 1 2 4 1 2 5 <b>3</b> 1 2 <b>3</b> 4 5 2 5 1 <b>3</b> 4 5 <b>3</b> 4 2 1	<b>3</b> 1 5 2 4 2 4 1 5 <b>3</b> 1 2 <b>3</b> 4 5 4 5 2 <b>3</b> 1 5 <b>3</b> 4 1 2	<b>3</b> 4 5 2 1 2 1 4 5 <b>3</b> 1 2 <b>3</b> 4 5 4 5 1 <b>3</b> 2 5 <b>3</b> 2 1 4	<b>3</b> 4 1 5 2 2 5 4 1 <b>3</b> 1 2 <b>3</b> 4 5 5 1 2 <b>3</b> 4 4 <b>3</b> 5 2 1
(9,13,19,22)	(9,16,22,23)	(9,17,22,23)	(9,18,21,22)	(10,10,12,15)

511	512	513	514	515
<b>3</b> 1 5 2 4 5 4 2 1 <b>3</b> 1 2 <b>3</b> 4 5 2 5 4 <b>3</b> 1 4 <b>3</b> 1 5 2	<b>3</b> 1 4 5 2 2 4 5 1 <b>3</b> 1 2 <b>3</b> 4 5 4 5 2 <b>3</b> 1 5 <b>3</b> 1 2 4	<b>3</b> 5 4 1 2 2 4 1 5 <b>3</b> 1 2 <b>3</b> 4 5 5 1 2 <b>3</b> 4 4 <b>3</b> 5 2 1	<b>3</b> 5 1 2 4 2 4 5 1 <b>3</b> 1 2 <b>3</b> 4 5 5 1 4 <b>3</b> 2 4 <b>3</b> 2 5 1	<b>3</b> 5 2 1 4 2 4 1 5 <b>3</b> 1 2 <b>3</b> 4 5 5 1 4 <b>3</b> 2 4 <b>3</b> 5 2 1
(10,11,15,15)	(10,15,16,20)	(10,19,21,21)	(11,12,18,18)	(11,19,21,23)

516	517	518	519	520
<b>3</b> 5 1 2 4 5 4 2 1 <b>3</b> 1 2 <b>3</b> 4 5 4 1 5 <b>3</b> 2 2 <b>3</b> 4 5 1	<b>3</b> 4 2 5 1 4 5 1 2 <b>3</b> 1 2 <b>3</b> 4 5 5 1 4 <b>3</b> 2 2 <b>3</b> 5 1 4	<b>3</b> 1 2 5 4 2 5 4 1 <b>3</b> 1 2 <b>3</b> 4 5 5 4 1 <b>3</b> 2 4 <b>3</b> 5 2 1	<b>3</b> 1 5 2 4 2 5 4 1 <b>3</b> 1 2 <b>3</b> 4 5 5 4 2 <b>3</b> 1 4 <b>3</b> 1 5 2	<b>3</b> 5 2 1 4 2 1 4 5 <b>3</b> 1 2 <b>3</b> 4 5 5 4 1 <b>3</b> 2 4 <b>3</b> 5 2 1
(12,17,22,23)	(13,15,16,16)	(14,15,17,23)	(14,15,19,22)	(14,16,19,23)

521

<b>3</b>	1	5	2	4
2	5	4	1	<b>3</b>
1	2	<b>3</b>	4	5
5	4	1	<b>3</b>	2
4	<b>3</b>	2	5	1

(14,17,18,19)

522

<b>3</b>	5	2	1	4
5	1	4	2	<b>3</b>
1	2	<b>3</b>	4	5
2	4	5	<b>3</b>	1
4	<b>3</b>	1	5	2

(14,19,21,23)

523

<b>3</b>	1	4	5	2
4	5	2	1	<b>3</b>
1	2	<b>3</b>	4	5
2	4	5	<b>3</b>	1
5	<b>3</b>	1	2	4

(15,17,17,22)

524

<b>3</b>	5	2	1	4
4	1	5	2	<b>3</b>
1	2	<b>3</b>	4	5
5	4	1	<b>3</b>	2
2	<b>3</b>	4	5	1

(16,16,16,18)

525

<b>3</b>	5	4	1	2
4	1	2	5	<b>3</b>
1	2	<b>3</b>	4	5
2	4	5	<b>3</b>	1
5	<b>3</b>	1	2	4

(16,17,19,22)

526

<b>3</b>	4	2	5	1
4	5	1	2	<b>3</b>
1	2	<b>3</b>	4	5
2	1	5	<b>3</b>	4
5	<b>3</b>	4	1	2

(16,17,21,23)

527

<b>3</b>	1	2	5	4
4	5	1	2	<b>3</b>
1	2	<b>3</b>	4	5
2	4	5	<b>3</b>	1
5	<b>3</b>	4	1	2

(16,17,21,23)\*

528

<b>3</b>	4	2	5	1
5	1	4	2	<b>3</b>
1	2	<b>3</b>	4	5
4	5	1	<b>3</b>	2
2	<b>3</b>	5	1	4

(16,19,21,22)

529

<b>3</b>	1	2	5	4
2	4	5	1	<b>3</b>
1	2	<b>3</b>	4	5
4	5	1	<b>3</b>	2
5	<b>3</b>	4	2	1

(17,17,20,23)

530

<b>3</b>	1	4	5	2
5	4	2	1	<b>3</b>
1	2	<b>3</b>	4	5
2	5	1	<b>3</b>	4
4	<b>3</b>	5	2	1

(17,19,21,22)

531

<b>3</b>	5	4	1	2															
5	4	1	2	<b>3</b>															
1	2	<b>3</b>	4	5															
2	1	5	<b>3</b>	4															
4	<b>3</b>	2	5	1															

(20,21,21,23)

\* = same patterns as in 526, differently arranged. Numbering in accordance with table 3.

Numbers 601 - 631: All squares with centered pattern 6, the supplementary patterns between brackets below.

601	602	603	604	605
<b>3</b> 4 5 1 2 4 <b>3</b> 2 5 1 1 2 <b>3</b> 4 5 5 1 4 2 <b>3</b> 2 5 1 <b>3</b> 4	<b>3</b> 5 4 2 1 5 <b>3</b> 2 1 4 1 2 <b>3</b> 4 5 2 4 1 5 <b>3</b> 4 1 5 <b>3</b> 2	<b>3</b> 5 1 2 4 5 <b>3</b> 4 1 2 1 2 <b>3</b> 4 5 4 1 2 5 <b>3</b> 2 4 5 <b>3</b> 1	<b>3</b> 1 5 2 4 4 <b>3</b> 1 5 2 1 2 <b>3</b> 4 5 5 4 2 1 <b>3</b> 2 5 4 <b>3</b> 1	<b>3</b> 1 5 2 4 2 <b>3</b> 4 5 1 1 2 <b>3</b> 4 5 5 4 2 1 <b>3</b> 4 5 1 <b>3</b> 2
(8,8,11,13)	(8,10,20,20)	(8,12,13,13)	(8,13,16,20)	(8,14,19,22)

606	607	608	609	610
<b>3</b> 5 2 1 4 5 <b>3</b> 4 2 1 1 2 <b>3</b> 4 5 2 4 1 5 <b>3</b> 4 1 5 <b>3</b> 2	<b>3</b> 4 5 1 2 2 <b>3</b> 1 5 4 1 2 <b>3</b> 4 5 5 1 4 2 <b>3</b> 4 5 2 <b>3</b> 1	<b>3</b> 4 5 2 1 5 <b>3</b> 2 1 4 1 2 <b>3</b> 4 5 2 1 4 5 <b>3</b> 4 5 1 <b>3</b> 2	<b>3</b> 4 2 5 1 4 <b>3</b> 5 1 2 1 2 <b>3</b> 4 5 5 1 4 2 <b>3</b> 2 5 1 <b>3</b> 4	<b>3</b> 1 5 2 4 2 <b>3</b> 4 5 1 1 2 <b>3</b> 4 5 4 5 2 1 <b>3</b> 5 4 1 <b>3</b> 2
(8,14,21,23)	(8,21,21,22)	(9,10,19,22)	(9,13,17,23)	(9,13,19,22)

611	612	613	614	615
<b>3</b> 4 2 5 1 5 <b>3</b> 4 1 2 1 2 <b>3</b> 4 5 4 1 5 2 <b>3</b> 2 5 1 <b>3</b> 4	<b>3</b> 1 5 2 4 4 <b>3</b> 1 5 2 1 2 <b>3</b> 4 5 2 5 4 1 <b>3</b> 5 4 2 <b>3</b> 1	<b>3</b> 4 5 1 2 2 <b>3</b> 4 5 1 1 2 <b>3</b> 4 5 4 5 1 2 <b>3</b> 5 1 2 <b>3</b> 4	<b>3</b> 5 1 2 4 4 <b>3</b> 2 5 1 1 2 <b>3</b> 4 5 2 4 5 1 <b>3</b> 5 1 4 <b>3</b> 2	<b>3</b> 4 1 5 2 5 <b>3</b> 2 1 4 1 2 <b>3</b> 4 5 4 1 5 2 <b>3</b> 2 5 4 <b>3</b> 1
(9,17,18,22)	(9,20,22,23)	(9,21,22,23)	(10,15,16,16)	(11,12,18,18)

616	617	618	619	620
<b>3</b> 1 4 5 2 5 <b>3</b> 2 1 4 1 2 <b>3</b> 4 5 4 5 1 2 <b>3</b> 2 4 5 <b>3</b> 1	<b>3</b> 4 1 5 2 2 <b>3</b> 5 1 4 1 2 <b>3</b> 4 5 5 1 4 2 <b>3</b> 4 5 2 <b>3</b> 1	<b>3</b> 4 1 5 2 4 <b>3</b> 5 2 1 1 2 <b>3</b> 4 5 2 5 4 1 <b>3</b> 5 1 2 <b>3</b> 4	<b>3</b> 5 4 2 1 4 <b>3</b> 1 5 2 1 2 <b>3</b> 4 5 5 4 2 1 <b>3</b> 2 1 5 <b>3</b> 4	<b>3</b> 5 1 2 4 2 <b>3</b> 4 5 1 1 2 <b>3</b> 4 5 5 4 2 1 <b>3</b> 4 1 5 <b>3</b> 2
(11,17,19,23)	(12,21,22,23)	(13,15,20,20)	(13,17,17,19)	(14,15,19,22)

621	622	623	624	625
<b>3</b> 1 5 2 4	<b>3</b> 1 2 5 4	<b>3</b> 5 2 1 4	<b>3</b> 1 2 5 4	<b>3</b> 5 4 1 2
5 <b>3</b> 4 1 2	5 <b>3</b> 4 2 1	2 <b>3</b> 4 5 1	4 <b>3</b> 5 1 2	2 <b>3</b> 1 5 4
1 2 <b>3</b> 4 5	1 2 <b>3</b> 4 5	1 2 <b>3</b> 4 5	1 2 <b>3</b> 4 5	1 2 <b>3</b> 4 5
2 4 1 5 <b>3</b>	2 4 5 1 <b>3</b>	5 4 1 2 <b>3</b>	5 4 1 2 <b>3</b>	4 1 5 2 <b>3</b>
4 5 2 <b>3</b> 1	4 5 1 <b>3</b> 2	4 1 5 <b>3</b> 2	2 5 4 <b>3</b> 1	5 4 2 <b>3</b> 1
(14,17,19,23)	(14,18,19,21)	(14,19,20,23)	(16,17,17,23)	(16,21,21,23)

626	627	628	629	630
<b>3</b> 4 2 5 1	<b>3</b> 5 2 1 4	<b>3</b> 5 4 1 2	<b>3</b> 5 4 2 1	<b>3</b> 4 2 5 1
5 <b>3</b> 4 1 2	4 <b>3</b> 1 5 2	4 <b>3</b> 5 2 1	4 <b>3</b> 5 1 2	2 <b>3</b> 5 1 4
1 2 <b>3</b> 4 5	1 2 <b>3</b> 4 5	1 2 <b>3</b> 4 5	1 2 <b>3</b> 4 5	1 2 <b>3</b> 4 5
4 5 1 2 <b>3</b>	5 1 4 2 <b>3</b>	2 4 1 5 <b>3</b>	2 4 1 5 <b>3</b>	4 5 1 2 <b>3</b>
2 1 5 <b>3</b> 4	2 4 5 <b>3</b> 1	5 1 2 <b>3</b> 4	5 1 2 <b>3</b> 4	5 1 4 <b>3</b> 2
(17,19,20,22)	(17,19,21,22)	(17,20,21,23)	(17,20,21,23)*	(18,20,20,20)

631				
<b>3</b> 4 5 1 2				
5 <b>3</b> 1 2 4				
1 2 <b>3</b> 4 5				
2 1 4 5 <b>3</b>				
4 5 2 <b>3</b> 1				
(19,20,21,22)				

\* = same patterns as in 628, differently arranged. Numbering in accordance with table 3.



Numbers 701 - 756: All squares with centered pattern 7, the supplementary patterns between brackets below.

701	702	703	704	705
<b>3</b> 5 1 2 4 5 4 2 <b>3</b> 1 1 2 <b>3</b> 4 5 2 1 4 5 <b>3</b> 4 <b>3</b> 5 1 2	<b>3</b> 4 5 1 2 2 5 4 <b>3</b> 1 1 2 <b>3</b> 4 5 4 1 2 5 <b>3</b> 5 <b>3</b> 1 2 4	<b>3</b> 5 4 1 2 2 4 5 <b>3</b> 1 1 2 <b>3</b> 4 5 4 1 2 5 <b>3</b> 5 <b>3</b> 1 2 4	<b>3</b> 5 4 2 1 5 1 2 <b>3</b> 4 1 2 <b>3</b> 4 5 2 4 1 5 <b>3</b> 4 <b>3</b> 5 1 2	<b>3</b> 4 5 1 2 4 5 2 <b>3</b> 1 1 2 <b>3</b> 4 5 5 1 4 2 <b>3</b> 2 <b>3</b> 1 5 4
(8,10,11,19)	(8,10,12,22)	(8,10,16,21)	(8,10,20,21)	(8,11,13,19)

706	707	708	709	710
<b>3</b> 5 4 1 2 5 4 2 <b>3</b> 1 1 2 <b>3</b> 4 5 4 1 5 2 <b>3</b> 2 <b>3</b> 1 5 4	<b>3</b> 5 2 1 4 2 4 5 <b>3</b> 1 1 2 <b>3</b> 4 5 5 1 4 2 <b>3</b> 4 <b>3</b> 1 5 2	<b>3</b> 5 2 1 4 5 4 1 <b>3</b> 2 1 2 <b>3</b> 4 5 2 1 4 5 <b>3</b> 4 <b>3</b> 5 2 1	<b>3</b> 4 5 1 2 4 5 2 <b>3</b> 1 1 2 <b>3</b> 4 5 2 1 4 5 <b>3</b> 5 <b>3</b> 1 2 4	<b>3</b> 5 4 2 1 5 4 1 <b>3</b> 2 1 2 <b>3</b> 4 5 4 1 2 5 <b>3</b> 2 <b>3</b> 5 1 4
(8,11,16,23)	(8,11,18,20)	(8,11,18,21)	(8,12,13,22)	(8,13,16,16)

711	712	713	714	715
<b>3</b> 5 2 1 4 5 1 4 <b>3</b> 2 1 2 <b>3</b> 4 5 2 4 1 5 <b>3</b> 4 <b>3</b> 5 2 1	<b>3</b> 5 4 1 2 5 1 2 <b>3</b> 4 1 2 <b>3</b> 4 5 2 4 1 5 <b>3</b> 4 <b>3</b> 5 2 1	<b>3</b> 4 1 5 2 2 1 5 <b>3</b> 4 1 2 <b>3</b> 4 5 4 5 2 1 <b>3</b> 5 <b>3</b> 4 2 1	<b>3</b> 5 1 2 4 4 1 5 <b>3</b> 2 1 2 <b>3</b> 4 5 5 4 2 1 <b>3</b> 2 <b>3</b> 4 5 1	<b>3</b> 5 1 2 4 5 1 4 <b>3</b> 2 1 2 <b>3</b> 4 5 2 4 5 1 <b>3</b> 4 <b>3</b> 2 5 1
(8,14,16,18)	(8,16,20,22)	(9,10,18,20)	(9,13,16,18)	(9,14,23,23)

716	717	718	719	720
<b>3</b> 4 1 5 2 5 1 2 <b>3</b> 4 1 2 <b>3</b> 4 5 2 5 4 1 <b>3</b> 4 <b>3</b> 5 2 1	<b>3</b> 1 5 2 4 5 4 2 <b>3</b> 1 1 2 <b>3</b> 4 5 2 5 4 1 <b>3</b> 4 <b>3</b> 1 5 2	<b>3</b> 4 5 2 1 5 1 2 <b>3</b> 4 1 2 <b>3</b> 4 5 2 5 4 1 <b>3</b> 4 <b>3</b> 1 5 2	<b>3</b> 1 5 2 4 4 5 2 <b>3</b> 1 1 2 <b>3</b> 4 5 2 4 1 5 <b>3</b> 5 <b>3</b> 4 1 2	<b>3</b> 4 5 1 2 2 5 1 <b>3</b> 4 1 2 <b>3</b> 4 5 4 1 2 5 <b>3</b> 5 <b>3</b> 4 2 1
(9,19,22,22)	(10,11,15,19)	(10,12,15,22)	(10,12,16,18)	(10,12,18,21)

721

3	5	4	2	1
5	1	2	3	4
1	2	3	4	5
2	4	5	1	3
4	3	1	5	2

(10,12,20,23)

722

3	1	4	5	2
2	5	1	3	4
1	2	3	4	5
5	4	2	1	3
4	3	5	2	1

(10,15,20,20)

723

3	1	4	5	2
2	4	5	3	1
1	2	3	4	5
4	5	2	1	3
5	3	1	2	4

(10,16,19,20)

724

3	4	1	5	2
4	5	2	3	1
1	2	3	4	5
5	1	4	2	3
2	3	5	1	4

(11,13,15,19)

725

3	4	5	1	2
5	1	2	3	4
1	2	3	4	5
4	5	1	2	3
2	3	4	5	1

(11,15,16,18)

726

3	1	4	5	2
4	5	2	3	1
1	2	3	4	5
5	4	1	2	3
2	3	5	1	4

(11,15,17,18)

727

3	1	5	2	4
5	4	1	3	2
1	2	3	4	5
2	5	4	1	3
4	3	2	5	1

(11,15,20,23)

728

3	1	4	5	2
5	4	2	3	1
1	2	3	4	5
4	5	1	2	3
2	3	5	1	4

(11,16,18,19)

729

3	1	2	5	4
5	4	1	3	2
1	2	3	4	5
2	5	4	1	3
4	3	5	2	1

(11,18,19,20)

730

3	4	5	2	1
5	1	4	3	2
1	2	3	4	5
4	5	2	1	3
2	3	1	5	4

(12,13,15,22)

731

3	4	5	2	1
4	5	1	3	2
1	2	3	4	5
2	1	4	5	3
5	3	2	1	4

(12,13,16,23)

732

3	5	4	2	1
4	1	5	3	2
1	2	3	4	5
5	4	2	1	3
2	3	1	5	4

(12,13,17,18)

733

3	4	2	5	1
4	1	5	3	2
1	2	3	4	5
2	5	4	1	3
5	3	1	2	4

(12,13,18,20)

734

3	4	5	2	1
2	5	1	3	4
1	2	3	4	5
4	1	2	5	3
5	3	4	1	2

(12,16,18,22)

735

3	5	4	2	1
2	1	5	3	4
1	2	3	4	5
5	4	2	1	3
4	3	1	5	2

(12,18,20,22)

736

3	4	2	5	1
4	5	1	3	2
1	2	3	4	5
5	1	4	2	3
2	3	5	1	4

(13,15,16,17)

737

3	1	5	2	4
5	4	1	3	2
1	2	3	4	5
4	5	2	1	3
2	3	4	5	1

(13,15,17,20)

738

3	1	5	2	4
4	5	1	3	2
1	2	3	4	5
5	4	2	1	3
2	3	4	5	1

(13,16,19,20)

739

3	1	2	5	4
2	5	4	3	1
1	2	3	4	5
5	4	1	2	3
4	3	5	1	2

(14,15,18,20)

740

3	1	5	2	4
2	5	4	3	1
1	2	3	4	5
5	4	2	1	3
4	3	1	5	2

(14,19,19,22)

741	742	743	744	745
<b>3</b> 4 2 5 1	<b>3</b> 5 2 1 4	<b>3</b> 5 2 1 4	<b>3</b> 1 2 5 4	<b>3</b> 4 2 5 1
2 5 1 <b>3</b> 4	4 1 5 <b>3</b> 2	4 1 5 <b>3</b> 2	4 5 1 <b>3</b> 2	2 5 1 <b>3</b> 4
1 2 <b>3</b> 4 5	1 2 <b>3</b> 4 5	1 2 <b>3</b> 4 5	1 2 <b>3</b> 4 5	1 2 <b>3</b> 4 5
5 1 4 2 <b>3</b>	5 4 1 2 <b>3</b>	2 4 1 5 <b>3</b>	2 4 5 1 <b>3</b>	4 1 5 2 <b>3</b>
4 <b>3</b> 5 1 2	2 <b>3</b> 4 5 1	5 <b>3</b> 4 2 1	5 <b>3</b> 4 2 1	5 <b>3</b> 4 1 2
(15,16,20,22)	(16,16,17,18)	(16,16,18,21)	(16,17,18,20)	(16,17,18,20)*

746	747	748	749	750
<b>3</b> 5 4 1 2	<b>3</b> 1 4 5 2	<b>3</b> 1 4 5 2	<b>3</b> 5 2 1 4	<b>3</b> 1 2 5 4
2 1 5 <b>3</b> 4	2 4 5 <b>3</b> 1	4 5 2 <b>3</b> 1	5 4 1 <b>3</b> 2	2 4 5 <b>3</b> 1
1 2 <b>3</b> 4 5	1 2 <b>3</b> 4 5	1 2 <b>3</b> 4 5	1 2 <b>3</b> 4 5	1 2 <b>3</b> 4 5
5 4 1 2 <b>3</b>	4 5 1 2 <b>3</b>	2 4 5 1 <b>3</b>	4 1 5 2 <b>3</b>	4 5 1 2 <b>3</b>
4 <b>3</b> 2 5 1	5 <b>3</b> 2 1 4	5 <b>3</b> 1 2 4	2 <b>3</b> 4 5 1	5 <b>3</b> 4 1 2
(16,18,20,21)	(16,18,20,21)*	(17,17,19,22)	(17,17,21,23)	(17,18,20,20)

751	752	753	754	755
<b>3</b> 4 1 5 2	<b>3</b> 5 1 2 4	<b>3</b> 4 2 5 1	<b>3</b> 5 4 2 1	<b>3</b> 4 2 5 1
2 5 4 <b>3</b> 1	2 4 5 <b>3</b> 1	5 1 4 <b>3</b> 2	4 1 5 <b>3</b> 2	2 1 5 <b>3</b> 4
1 2 <b>3</b> 4 5	1 2 <b>3</b> 4 5	1 2 <b>3</b> 4 5	1 2 <b>3</b> 4 5	1 2 <b>3</b> 4 5
4 1 5 2 <b>3</b>	4 1 2 5 <b>3</b>	4 5 1 2 <b>3</b>	2 4 1 5 <b>3</b>	4 5 1 2 <b>3</b>
5 <b>3</b> 2 1 4	5 <b>3</b> 4 1 2	2 <b>3</b> 5 1 4	5 <b>3</b> 2 1 4	5 <b>3</b> 4 1 2
(17,19,21,22)	(17,19,21,22)*	(17,19,21,22)**	(17,21,21,23)	(18,20,20,21)

756				
<b>3</b> 4 5 1 2				
2 5 1 <b>3</b> 4				
1 2 <b>3</b> 4 5				
5 1 4 2 <b>3</b>				
4 <b>3</b> 2 5 1				
(19,21,21,22)				

\* = same patterns as in foregoing one, differently arranged. Numbering in accordance with table 3.

