



DOMINO

01032017 - RS - 3* - 1620

A complete set of dominoes is placed in the grid. The boundaries are all removed and the number of pips is indicated by digits. Draw the boundaries so that the complete set of dominoes is shown.

00
01 11
02 12 22
03 13 23 33
04 14 24 34 44
05 15 25 35 45 55
06 16 26 36 46 56 66

1	4	1	3	3	2	6	1
4	1	6	0	6	2	6	1
4	0	6	4	2	5	2	1
5	2	5	0	5	1	2	3
5	4	5	2	6	4	3	3
5	4	3	3	0	3	6	4
6	0	2	1	0	0	0	5

YAJILIN - four directions

02032017 - Hns - 3* - 1621

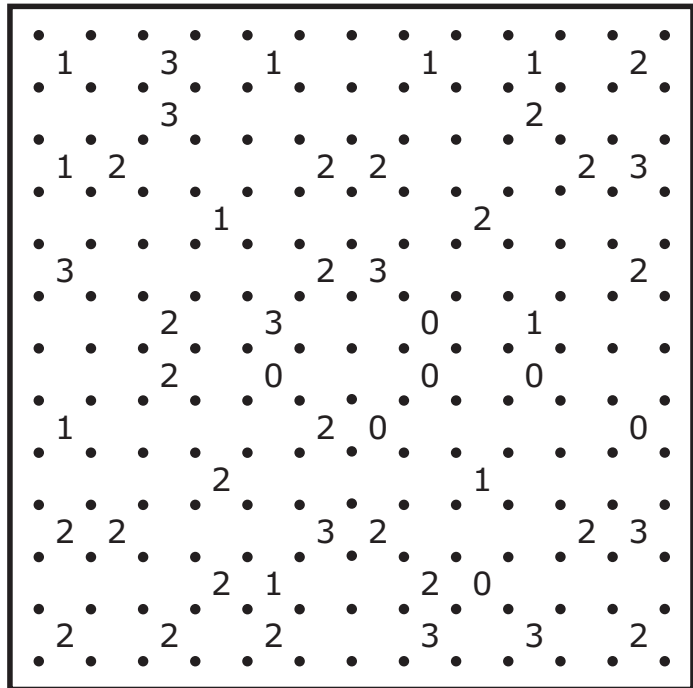
Paint some cells black. Numbered squares indicate the amount of blackened squares in the corresponding row and column. Black squares cannot touch each other from the sides but they may touch diagonally, and all remaining white cells not occupied by a number or not blackened should be traversed by a single closed loop that connects the centers of adjacent squares and doesn't cross itself. One black square is given.

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

MINI PENTOMINO LOOPS

03032017 - RS - 4* - 1622

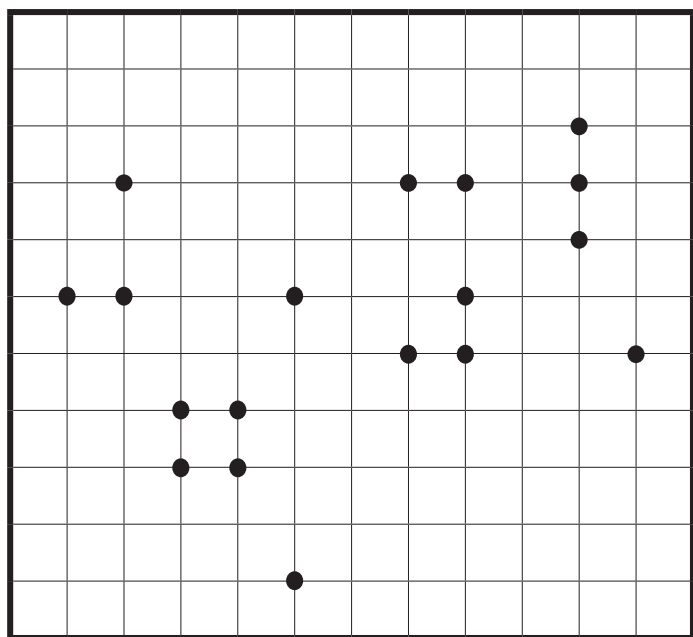
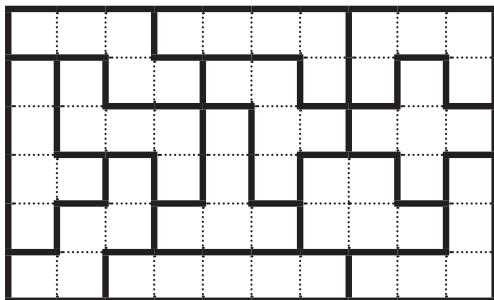
Draw twelve loops that only consist of horizontal and vertical segments between the dots. The loops may not touch each other or intersect themselves, and they must be in the shapes of twelve different pentominoes. Each pentomino shape is used exactly once, but can be rotated or reflected. A number inside a cell indicates how many of the edges of that cell are part of any loop (that is, part of an edge of a pentomino).



PENTOMINO - TOUCHING

06032017 - RS - 3* - 1623

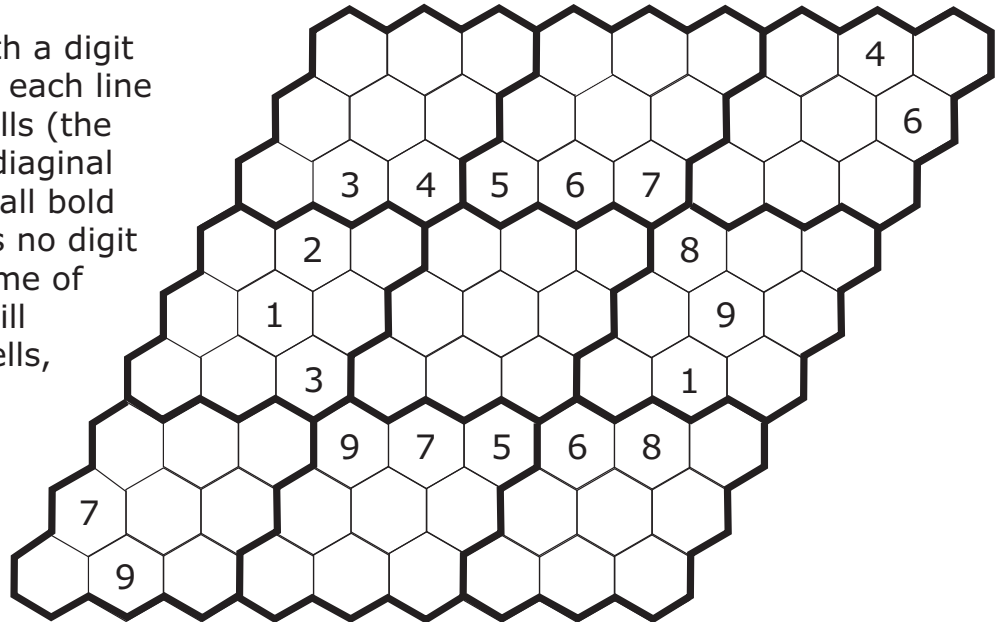
Place all twelve pentominos in the grid. The shapes can be mirrored and reflected, but they can only touch diagonally. All points where two pentominos touch are indicated by a black dot.



SUDOKU - hex

07032017 - RS - 4* - 1624

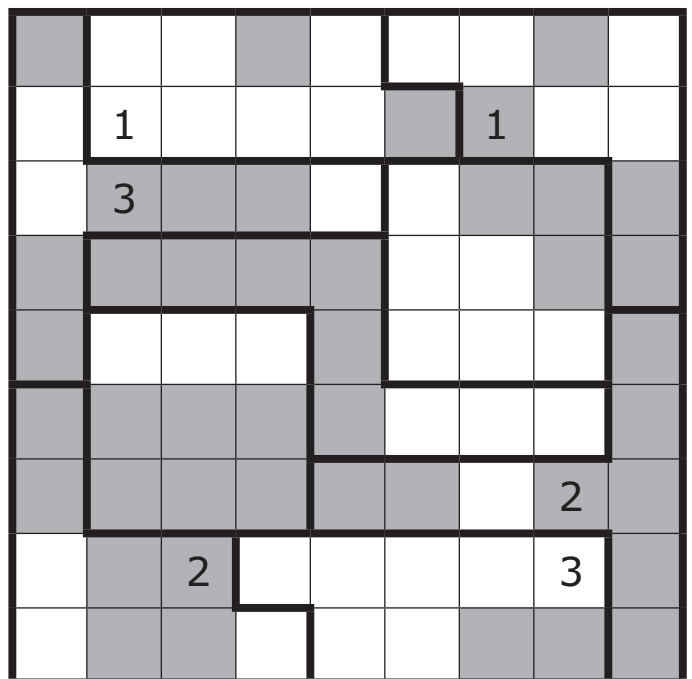
Fill each cell with a digit from 1 to 9. On each line of connected cells (the rows and both diagonal directions) and all bold outlined regions no digit is repeated. Some of the diagonals will not contain 9 cells, but no digit will repeat within them.



NEIGHBOURS - irregular

08032017 - RS - 3* - 1625

Place digits 1–3 in the grid so that in each row, column an blackened region, each digit appears three times. Numbers in grey cells do not share an edge with a cell containing the same number. Numbers in white cells share an edge with at least one cell containing the same number. **All** grey cells are given.



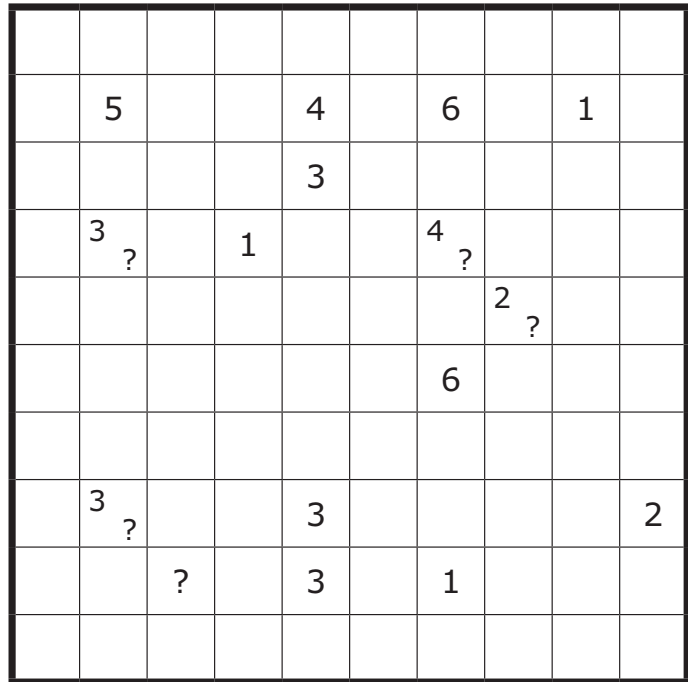


TAPA

09032017 - Hns - 4* - 1626

Grid cells must be filled in so that all the black cells form one contiguous region, not counting squares touching at a corner to be adjacent, but it is not allowed to have a two by two square of black cells. Clue cells with numbers may not be filled in and tell the length of each consecutive black cell block in the eight surrounding cells. Two cell blocks clued by two different numbers must be separated by at least one white cell.

Some numbers are replaced by question marks; the position of the question mark is not important. A question mark never replaces a zero.



JAPANESE SQUARE

10032017 - RS - 4* - 1627

Place digits 1–9 into the grid so that no digit is repeated within a row or column. Numbers outside the grid indicate the sums of contiguous blocks of digits in that row or column. Blocks have to be separated by at least one empty square.

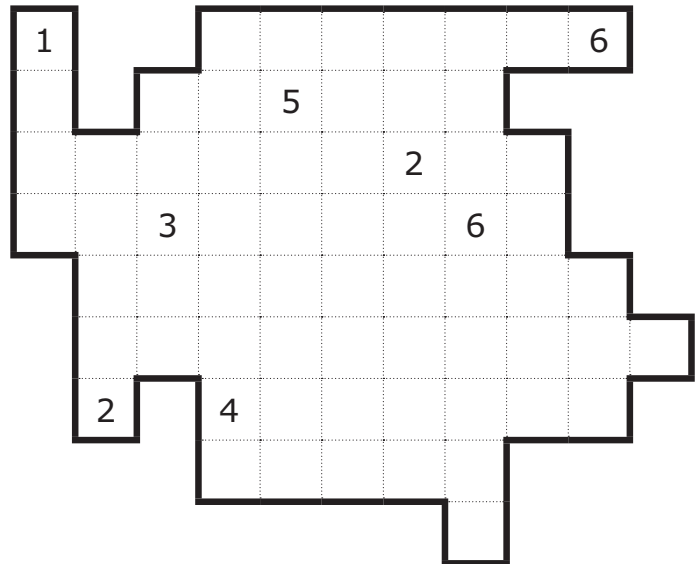
7	16
11 8 12	3 14 17
7 5 15 14 25 12	4 22 33 12
21 8 2 24 10 9	3 13 12 12

7	18	15												
	22	23												
1	23	5												
2	10	28												
10	10	23												
3	4	3	11											
22	7	3												
5	15	7	1											
8	9	19												
26	1	10												

DOMINO - blackout

13032017 - RS - 3* - 1628

A complete set of dominoes is placed in the grid. The ends of adjacent stones have the same value. Some cells have to be blackened. Black cells must not touch the border nor each other orthogonally.



00
01 11
02 12 22
03 13 23 33
04 14 24 34 44
05 15 25 35 45 55
06 16 26 36 46 56 66

SUDOKU - round off

14032017 - RS - 4* - 1629

Place the digits 1-9 in each column, each row and in all 3x3 regions. When considering two digits in each coloured cage as a two-figure number, the number on the top left of each cage must be the result of rounding off the two figure number in the cage to the closest multiple of 10; 5 is rounded up.

50		60		90		40		
	20		30		70		30	
70		30		60		60		
	80		80		30		60	
70		50		70		30		
	90		70		50		90	
40		10		30		60		
	60		70		30		40	

MATHRAX

15032017 - Hns - 4* - 1630

Fill in the numbers 1-8 on each row and column. On some intersections you find hints. E means that in all four squares the number is even, and O means that all four numbers are odd. A number and a sign (+, -, x, /) means that that is the result of the two paired diagonally adjacent squares.

		3-				
					7+	O
		5-	E		6+	
		3-		4-		
					12+	8+
	16x	9+	O			
		1-				

SUDOKU - consecutive

16032017 - RS - 4* - 1631

Place the digits 1-9 in each column, each row and in all 3x3 regions. All the places where consecutive numbers have to be filled in are marked with a circle.

				○	3			
	6	2	4	○	5			
				○	1			
	○	○	○					
		4	○		○	○		
		8	○	9	7	3		
		3	○					

FILLOMINO

17032017- RS - 4* - 1632

Divide the grid into polyominoes. Every digit in the grid must be contained in a polyomino containing that number of cells. No two polyominoes containing the same number of cells may touch horizontally or vertically. A polyomino may contain one, more than one, or none of the digits that are already given in the puzzle.

1									7
		2	3	4	5	6	7		
	1								8
	5				4	6		1	
	2				8			2	
	5			5					3
	5		7	7					4
	4								5
		3	2	1	8	7	6		
8									2

SUDOKU - compressed

20032017 - RS - 3* - 1633

Fill the grid with digits 1 to 9. No digit is repeated within a row, a column, the four grey 3x3 blocks and the five outlined 3x3 blocks.

	3				4	1
1						9
		5				8
					7	
9				2		
8	2	3				

NUMBER CHAIN

21032017 - Hns - 3* - 1634

Draw a single continuous line from the 1 in the top left square to the 39 in the bottom right square. The line includes all numbers from 1 to 39 exactly once.

1	6	29	32	19	23	22	37	6	17
15	33	26	34	23	3	24	14	24	13
20	35	2	6	4	29	5	10	37	32
13	22	20	18	38	30	28	25	35	21
35	19	1	14	12	26	24	10	15	4
29	5	15	36	27	5	37	4	7	35
3	7	6	28	17	8	11	9	21	25
37	4	22	30	11	30	29	31	26	13
3	10	29	2	22	13	7	14	15	16
38	16	17	20	32	24	14	18	33	39

SUDOKU - clone

22032017 - RS - 3* - 1635

Standard sudoku rules apply.
In each shaded region of the same shape, the digits placed in corresponding cells of the regions must be the same. Rotating or mirroring of the shapes is not allowed.

7							6	
								1
								5
			1				5	
		5				3		
	4				5			
3								
2								
	1							8



CAVE

2303017 - RS - 4* - 1636

Draw a closed loop over the grid lines. The loop goes around all numbers. The numbers in the grid indicate how many cells inside the loop can be seen horizontally and vertically from that cell, including the cell itself.

		3		9				3	
2									4
	7								4
	5				3			4	
				9					
					4				
	6			8				5	
6								10	
7									5
	4				4		4		

CORRAL

24032017 - RS - 4* - 1637

Paint a single connected set of cells (the corral) so that it does not touch itself, not even diagonally, does not surround any white areas and does not contain any 2x2 painted area. Numbers outside the grid indicate the sizes of consecutive painted blocks in that row/column. Numbers are given in increasing order and not in the order the blocks appear. There must be at least one white cell between any consecutive blocks.

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



SUDOKU - high-low

27032017 - RS - 3* - 1638

Place the digits 1-9 in each column, each row and in all 3x3 regions. The numbers outside the grid indicate the sum of the highest and lowest digit in the first three cells, seen from that direction.

	10	11	12	11	12	8	10	8	12	
14										10
9										10
7										7
10										14
8										9
10										9
11										13
11										10
9										8
	9	8	13	9	12	7	13	7	9	

MAGNETS

28032017 - RS - 3* - 1639

Place magnets into some of the regions so that each magnet has a positive and a negative pole. Cells containing magnet halves of the same polarity cannot share an edge. Numbers outside the grid indicate the number of positive and negative poles in the rows and columns.

+		3	2	3	1	4	2	3	1	4	2
-		2	2	3	3	3	3	2	3	1	3
3	2										
0	3										
3	2										
3	3										
1	2										
4	4										
2	1										
3	2										
3	2										
3	4										



SUDOKU -

29032017 - RS - 4* - 1640

Japanese square odd/even

Standard sudoku rules apply. Clues outside the grid indicate the sums of digit groups in that row or column in the given order. Clues on top refer to groups of even digits. These groups are separated by at least one odd digit. Clues on the left refer to groups of odd digits, that are separated by at least one even digit.

		EVEN		4						
			8	8	6	10	14	8	6	
			4	8	2	4	2	12	6	4
ODD			8	4	8	6	4	8	6	16
	16	4	5							
1	5	9	7	3						
		15	10							
	10	7	8							
	5	7	13							
	3	15	7							
	3	10	12							
	16	9								
	5	20								

MAGIC SUMMER

30032017 - RS - 3* - 1641

Place a digit from 1 to 5 into some cells so that each digit appears exactly once in each row and column. The digits in the grid connect with horizontally and vertically adjacent digits to form multi-digit numbers. The numbers outside the grid indicate the sums of the numbers appearing in the respective rows and columns, where empty cells separate numbers.

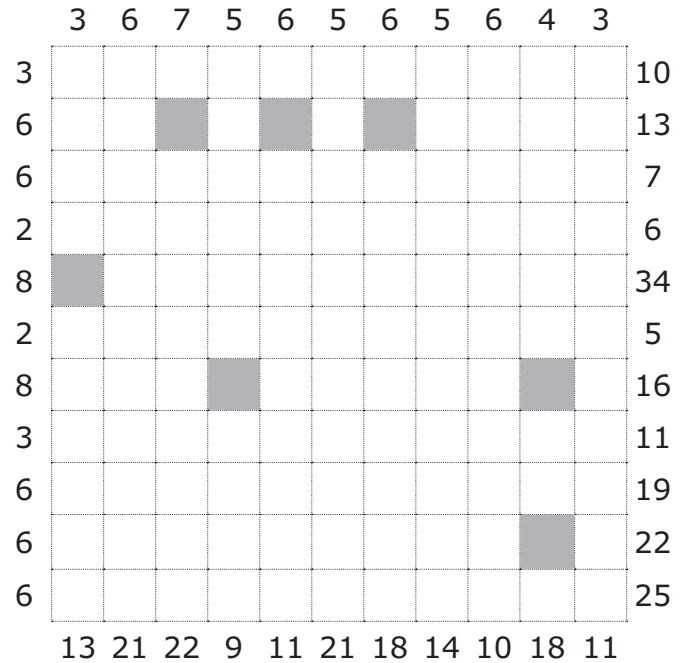
		60	366	393	258
321					
1545					
195					
69					
276					



DOMINO LOOP

31032017 - RS - 5* - 1642

Place the given domino tiles in the grid in such a way that they form a closed loop that does not touch itself, not even diagonally. The normal domino rules have to be followed: adjacent cells covered by different tiles contain equal numbers. The numbers above and on the left of the grid represent the number of cells occupied by dominos in the respective row or column. The numbers below and on the right of the grid represent the sum of the digits on dominos in that row or column. The grey cells are part of a domino with two equal digits.



Spring contest

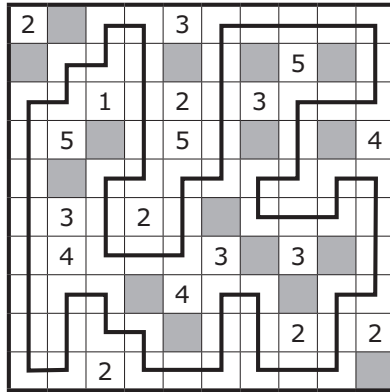
Ten friends know all one different joke. They can only communicate by phone. How many phonecalls have to be made before all friends know all jokes?

Send your solution to contest@wcpn.nl. We will give a puzzle related present to one of the puzzlers with the correct solution.

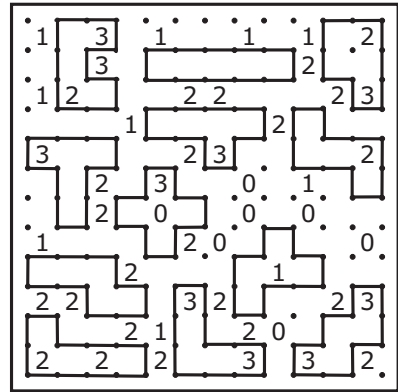
01032017 - RS - 3* - 1620

1	4	1	3	3	2	6	1
4	1	6	0	6	2	6	1
4	0	6	4	2	5	2	1
5	2	5	0	5	1	2	3
5	4	5	2	6	4	3	3
5	4	3	3	0	3	6	4
6	0	2	1	0	0	0	5

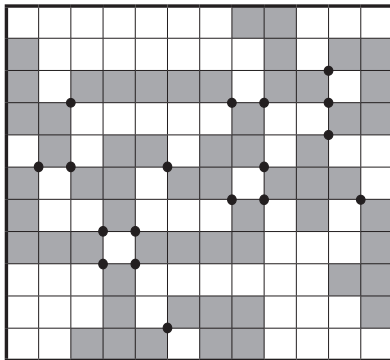
02032017 - Hns - 3* - 1621



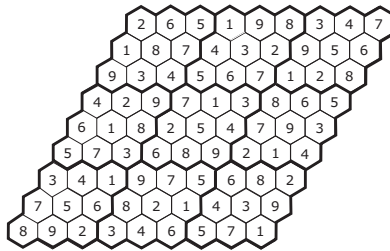
03032017 - RS - 4* - 1622



06032017 - RS - 3* - 1623



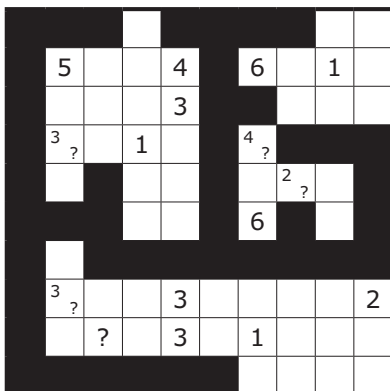
07032017 - RS - 4* - 1624



08032017 - RS - 3* - 1625

1	3	3	1	2	2	2	1	3
2	1	1	2	2	3	1	3	3
2	3	2	3	1	1	3	1	2
1	2	3	2	3	1	2	3	1
3	1	1	1	2	3	2	2	3
2	3	2	3	1	3	1	1	2
1	2	3	2	3	1	3	2	1
3	1	2	1	1	2	3	3	2
3	2	1	3	3	2	1	2	1

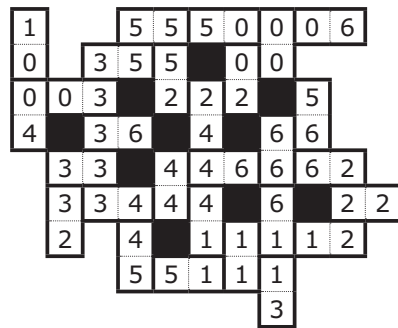
09032017 - Hns - 4* - 1626



10032017 - RS - 4* - 1627

		7					16							
		11	8	12		3		14		17				
		7	5	15	14	25	12	4	22	33	12			
		21	8	2	24	10	9	3	13	12	12			
7	18	15	2	4	1		3	6	9		7	8		
	22	23	8	3	5	6		1	7	4	2	9		
1	23	5	1		6	4	8	5		2	3			
	2	10	28		2		3	7		6	8	9	5	
	10	10	23		4	6		1	9	8	3	5	7	
3	4	3	11		3		4		1	2		5	6	
	22	7	3		5	8	9		3	4		1	2	
5	15	7	1		5		3	2	6	4		7	1	
	8	9	19		7	1		5	4		2	6	8	3
	26	1	10		9	7	2	8			1		4	6

13032017 - RS - 3* - 1628





14032017 - RS - 4* - 1629

5	2	6	1	8	7	4	3	9
9	1	8	3	4	6	7	2	5
7	4	3	2	5	9	6	1	8
1	7	5	8	3	2	9	6	4
2	3	9	5	6	4	8	7	1
6	8	4	9	7	1	2	5	3
4	9	2	7	1	5	3	8	6
3	6	1	4	2	8	5	9	7
8	5	7	6	9	3	1	4	2

15032017 - Hns - 4* - 1630

2	8	3	5	6	7	1	4
1	5	8	6	4	2	3	7
6	1	2	8	7	4	5	3
3	7	6	4	5	1	2	8
5	3	4	1	8	6	7	2
8	4	7	3	2	5	6	1
4	2	5	7	1	3	8	6
7	6	1	2	3	8	4	5

16032017 - RS - 4* - 1631

4	7	9	5	3	1	6	2	8
8	1	5	2	7	6	3	9	4
3	6	2	4	9	8	5	1	7
9	3	6	8	4	5	1	7	2
5	2	7	9	1	3	8	4	6
1	8	4	7	6	2	9	5	3
6	4	8	1	2	9	7	3	5
2	9	3	6	5	7	4	8	1
7	5	1	3	8	4	2	6	9

17032017- RS - 4* - 1632

1	3	5	5	5	6	6	7	7
3	3	2	3	4	5	6	7	7
5	1	2	3	4	6	6	8	8
5	5	5	3	4	4	6	8	1
5	2	2	8	8	8	8	8	2
4	5	5	5	5	6	3	3	4
4	5	7	7	7	6	6	6	4
4	4	3	2	7	7	6	5	4
8	3	3	2	1	8	7	6	5
8	8	8	8	8	8	5	5	5

20032017 - RS - 3* - 1633

2	3	8	9	6	4	1
1	6	4	2	7	5	9
7	9	5	1	3	2	8
3	8	2	7	4	1	6
4	1	6	8	9	7	5
9	5	7	4	2	8	3
8	2	3	5	1	6	4

21032017 - Hns - 3* - 1634

1	6	29	32	19	23	22	37	6	17
15	33	26	34	23	3	24	14	24	13
20	35	2	6	4	29	5	10	37	32
13	22	20	18	38	30	28	25	35	21
35	19	1	14	12	26	24	10	15	4
29	5	15	36	27	5	37	4	7	35
3	7	6	28	17	8	11	9	21	25
37	4	22	30	11	30	29	31	26	13
3	10	29	2	22	13	7	14	15	16
38	16	17	20	32	24	14	18	33	39

22032017 - RS - 3* - 1635

7	3	1	5	4	9	8	6	2
5	8	2	7	3	6	9	4	1
6	9	4	8	2	1	7	3	5
9	7	3	1	8	2	4	5	6
8	2	5	6	9	4	3	1	7
1	4	6	3	7	5	2	8	9
3	5	8	2	1	7	6	9	4
2	6	9	4	5	8	1	7	3
4	1	7	9	6	3	5	2	8

2303017 - RS - 4* - 1636

		3		9				3	
2									4
	7								4
	5			3					4
				9					
				4					
	6			8				5	
6								10	
7									5
	4				4		4		

24032017 - RS - 4* - 1637

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



27032017 - RS - 3* - 1638

	10	11	12	11	12	8	10	8	12	
14	9	8	5	2	4	1	6	7	3	10
9	2	4	7	3	5	6	8	1	9	10
7	1	3	6	9	8	7	2	4	5	7
10	8	6	2	4	1	3	5	9	7	14
8	4	5	3	6	7	9	1	8	2	9
10	7	9	1	5	2	8	3	6	4	9
11	6	2	9	1	3	4	7	5	8	13
11	5	7	4	8	6	2	9	3	1	10
9	3	1	8	7	9	5	4	2	6	8
	9	8	13	9	12	7	13	7	9	

28032017 - RS - 3* - 1639

			3	2	3	1	4	2	3	1	4	2	
			-	2	2	3	3	3	3	2	3	1	3
3	2		+	-				+	-	+			
0	3						-		-		-		
3	2			+	-	+	-	+					
3	3		+	-		-	+	-	+				
1	2		-				+	-					
4	4		+	-	+		-	+		-	+	-	
2	1				-		+						+
3	2		+		+	-					+	-	
3	2		-			+		-	+			+	
3	4		+	-		-	+			-	+	-	

29032017 - RS - 4* - 1640

				4											
				8	8	6	10	14		8		6			
				4	8	2	4	2	12	6	4	2			
				8	4	8	6	4	8	6	16	12			
16	4	5		7	9	4	2	3	1	8	5	6			
1	5	9	7	3	1	2	5	8	9	6	7	4	3		
			15	10	8	6	3	5	7	4	2	1	9		
10	7	8		9	1	6	7	8	2	4	3	5			
5	7	13		5	8	7	4	6	3	1	9	2			
3	15	7		4	3	2	9	1	5	6	8	7			
3	10	12		3	4	9	1	2	7	5	6	8			
16	9			6	7	1	3	5	8	9	2	4			
5	20			2	5	8	6	4	9	3	7	1			

30032017 - RS - 3* - 1641

			60	366	393	258				
321	3	1	4		2					5
1545	2		1	5	4	3				
		3		1	5	2	4			
195	1	4	3			5	2			
69	5		2	3		4	1			
		2	5	4	1					3
276	4	5		2	3	1				

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			3	6	7	5	6	5	6	5	6	4	3		
3				4	4	2									10
6		4	4		2		1	1	1						13
6	1	1			2	2	1		0						7
2	6								0						6
8	6	6	6	0		6	6	2	2						34
2				0		5									5
8		0	0		5	1	1	3	3	3					16
3		4	4										3		11
6		3			0	3	3					5	5		19
6		3	2		0		6	6		5					22
6			2	5	5			4	4	5					25
			13	21	22	9	11	21	18	14	10	18	11		

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puzzle names

date (ddmmyyyy) - author - difficulty level - wcpn puzzle ID



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