WCPN puzzle archive - December 2017

These are all the puzzles that are published on wcpn.nl in December 2017, including solutions, puzzle designers and difficulty level.

World Class Puzzles
from The Netherlands

FILLOMINO

01122017 - RS - 5* - 1817

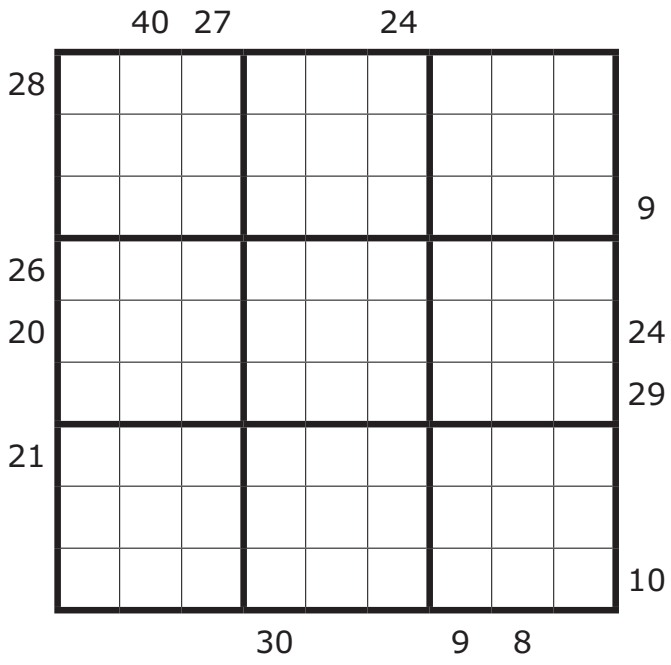
Divide the grid into polyominoes. Every digit in the grid must be contained in a polyomino containing that number of cells. No two polyominoes containing the same number of cells may touch horizontally or vertically. A polyomino may contain one, more than one, or none of the digits that are already given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

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

SUDOKU - x-sums

04122017 - RS - 4* - 1818

Place the digits 1-9 in each column, each row and in all 3x3 regions.
Numbers outside the grid indicate the sum of the first X digits in the corresponding direction. X is the first digit in the corresponding direction.



World Class Puzzles
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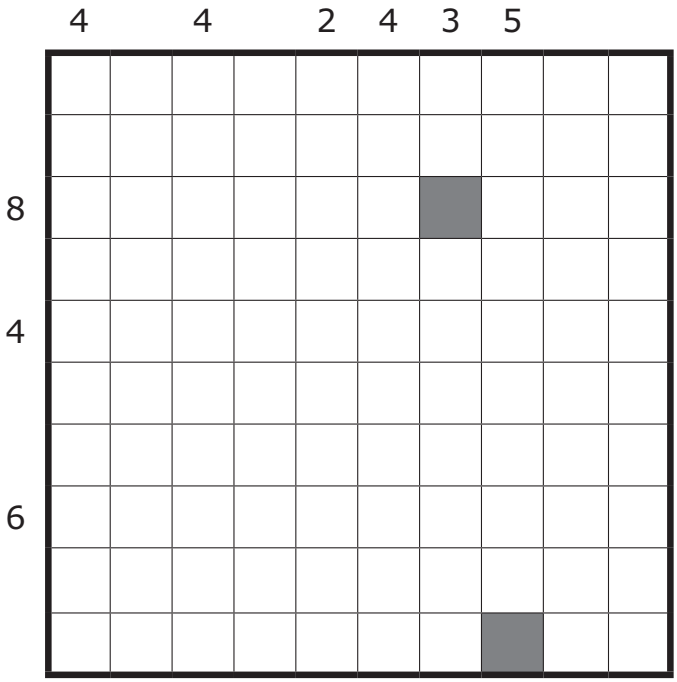
SNAKE

05122017 - Hns - 4* - 1819

Find a snake in the grid whose head and tail are indicated by the grey cells. The snake wriggles horizontally and vertically and never touches itself, not even diagonally. The digits outside the grid indicate the number of cells occupied by the snake in that row or column.



SUDOKU XV

06122017 - RS - 4* - 1820

Place the digits 1-9 in each column, each row and in all 3x3 regions. X markers show **all** adjacent pairs of squares where the two values in those squares add up to 10, while V markers show **all** pairs where the two values sum to 5.

NON - XV

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

World Class Puzzles
from The Netherlands

DOMINION

07122017 - Hns - 4* - 1821

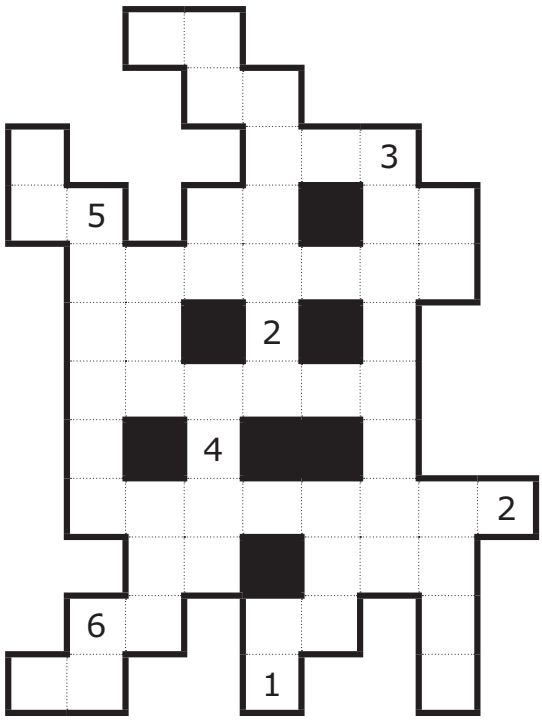
Place some dominoes (1x2 black cells) in the grid, in order to divide the grid into some regions of adjacent squares. Dominoes cannot overlap or touch each other from the sides. It is also not possible to cover a letter with a domino. Same letters belong to the same region, different letters belong to a different region. All regions contain one or more letter(s).

									B
	H						B		
				J					
						I			E
	A		A				E		
		A			A				
							G		
D		A			F			G	
	D								G
D				C			F		

DOMINO - plus

08122017 - RS - 4* - 1822

A complete set of dominoes is placed in the grid. The ends of adjacent stones have the same value.



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

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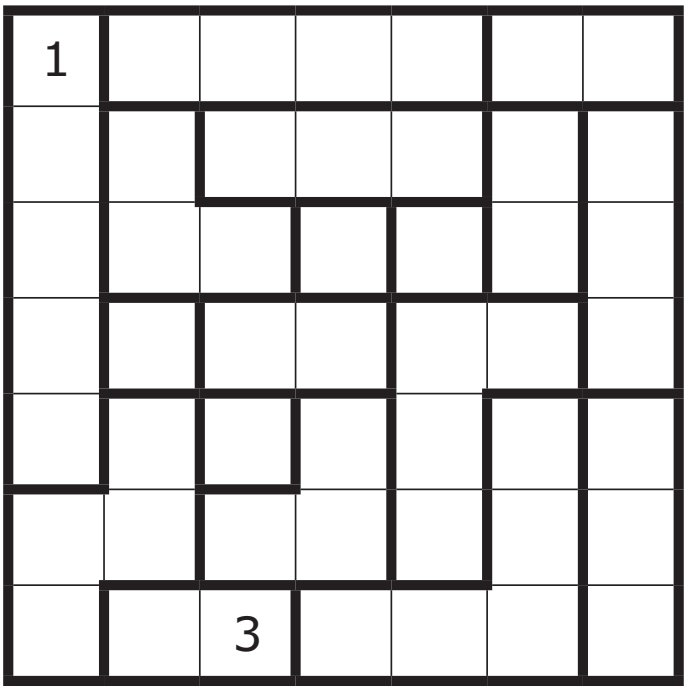
RENBAN

11122017 - Hns - 4* - 1823

Place the numbers 1-7 on each row and in each column. Numbers in black edged regions are consecutive.



SUDOKU - even sandwich

12122017 - RS - 3* - 1824

Place the digits 1-9 in each column, each row and in all 3x3 regions. Clues outside the grid show all the digits that have even digits as neighbours on both sides in the corresponding row or column.

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

World Class Puzzles
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BINARY PUZZLE

13122017 - Hns - 3* - 1825

Place a 0 or a 1 in each cell. The number of 0's and 1's in each row and each column is equal. No more than two similar numbers below or next to each other are allowed.

				1					
				0			1		
							1		
			0						1
	0			1	1				
				1					1
		1						1	
0								1	
	1						0		
	1					0	0		0

SUDOKU - consecutive

14122017 - RS - 4* - 1826

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.

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

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CORRAL

15122017 - RS - 4* - 1827

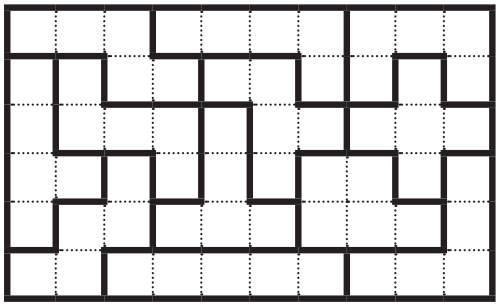
Kleur vakjes zodanig dat die allemaal met elkaar verbonden zijn. De te kleuren vakjes vormen een figuur dat zichzelf niet raakt, ook niet diagonaal. De figuur sluit nergens witte vakjes in en nergens ontstaat een 2x2 gekleurd blok. De cijfers buiten het diagram geven aan hoeveel vakjes er in de betreffende rij of kolom aaneengesloten moeten worden gekleurd. Die cijfers staan in oplopende volgorde. Tussen twee blokken staat ten minste één wit vakje.

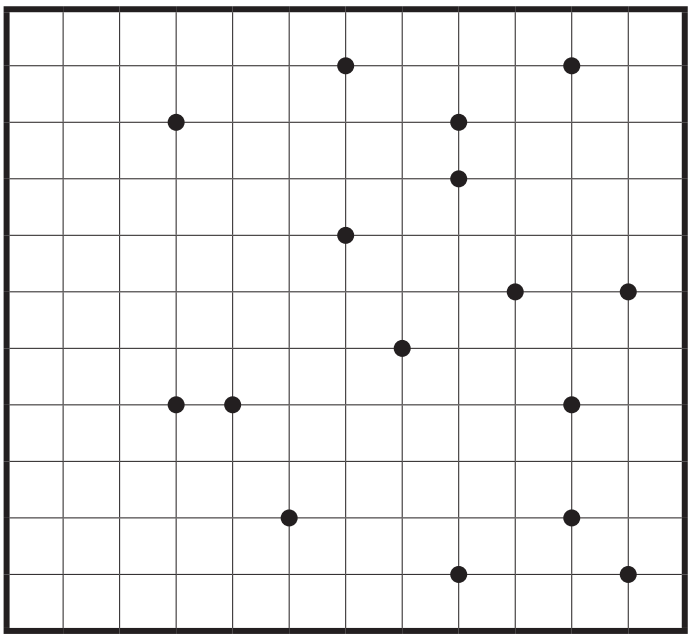
				1					
			2	1	2	1		1	1		
			1	3	1	2	1	2	1	1	2	1
			3	3	1	3	2	2	4	3	5	3
	1	1	2									
		1	4									
	1	2	3									
1	1	2	2									
	1	1	2									
	2	2	3									
		1	3									
		2	3									
	1	1	3									
		3	4									

PENTOMINO - touching

18122017 - RS - 3* - 1828

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.





World Class Puzzles
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SUDOKU - no touch

19122017 - RS - 3* - 1829

Place the digits 1-9 in each column, each row and in all nine 3x3 regions. Equal digits do not touch diagonally.

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

CAVE

20122017 - RS - 3* - 1830

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.

				2		8			
	6								
6		6						2	
				9		11	6		11
7									
									7
3		4	4		4				
	5						3		6
								4	
			2		3				

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SUDOKU - chaos

21122017 - RS - 4* - 1831

Place the digits 1-9 in each column, each row and in all nine outlined regions.

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

JAPANESE SQUARE

22122017 - RS - 5* - 1832

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.

					5			14				
					14	12	24		9	5	19	23	19	4
					5	10	8	4	7	21	11	7	16	13
					5	17	7	19	5	13	5	8	2	16
			8	17	13									
				16	18									
				18	27									
6	5	5	7	1										
				13	31									
			3	24	5									
			19	1	16									
				12	16									
		12	6	10	2									
			17	9	10									

World Class Puzzles
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SUDOKU - between 1 and 9

25122017 - RS - 3* - 1833

Place the digits 1-9 in each column, each row and in all 3x3 regions. Clues outside the grid indicate the sum of the digit(s) placed between 1 and 9 in the corresponding row or column. (A zero outside the grid means that 1 and 9 are placed next to each other or right above each other.)

	23	11	33	0	17	4	23	6	7
7									
18		1		3					
3									
16		5		7					
0									
7						2		4	
9									
24						6		8	
9									

YAJILIN - outside

26122017 - WZ - 3* - 1834

Paint some cells black so that every arrow points to exactly the corresponding number of black squares. Numbers outside the grid indicate the number of black squares in the corresponding row or column. Black squares cannot touch each other from the sides but they may touch diagonally, and all remaining white cells not occupied by an arrow or not blackened should be traversed by a single closed loop that connects the centers of adjacent squares and doesn't cross itself. Draw the loop and blacken all the necessary squares.

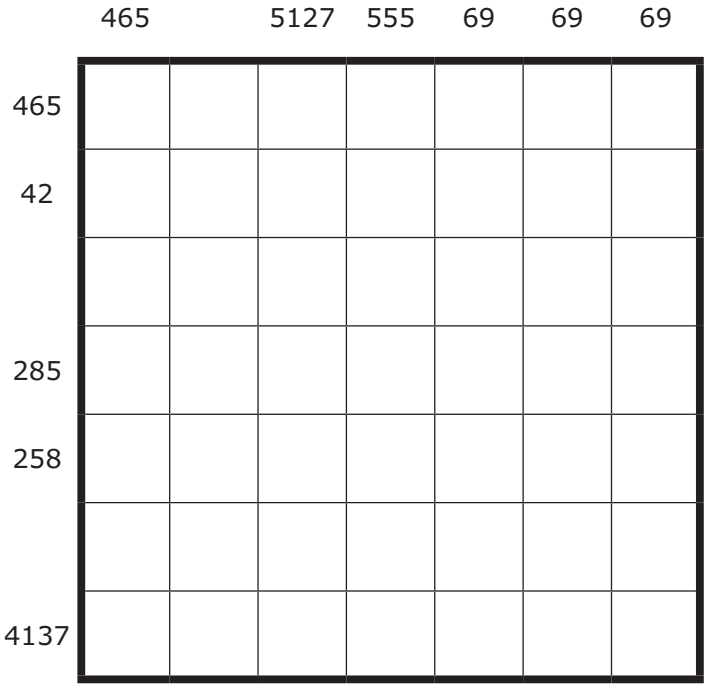
	4			4			2			
3										
2										
2										
									1▾	
							◂0			

World Class Puzzles
from The Netherlands

MAGIC SUMMER

27122017 - RS - 3* - 1835

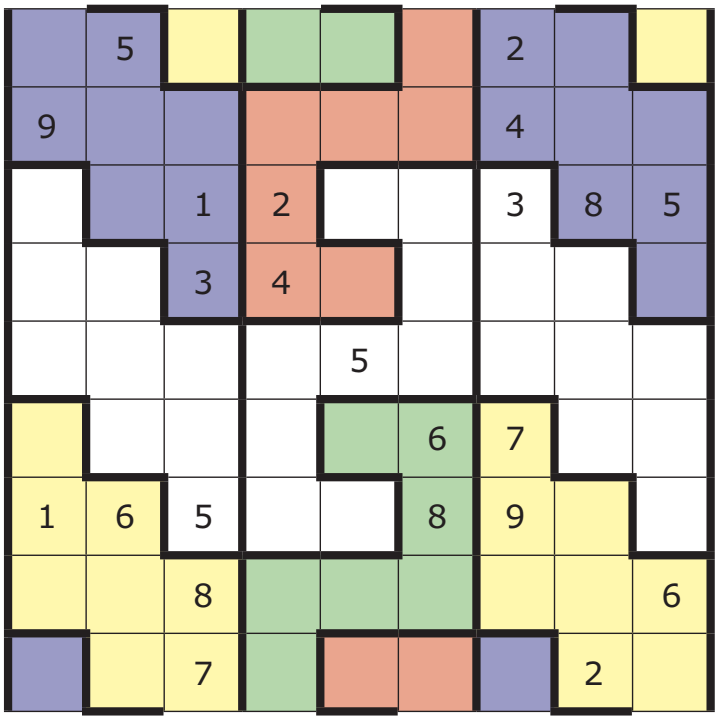
Place a digit from 1 to 5 into some cells so that each digit appears exactly once in each row and column. The digits in the grid connect with horizontally and vertically adjacent digits to form multi-digit numbers. The numbers outside the grid indicate the sums of the numbers appearing in the respective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



SUDOKU - toroidal

2812017 - RS - 4* - 1836

Place digits 1-9 on each row and column, and also in the bold outlined areas. Some of those areas are wrapped around the corners of the grid. To make clear how these areas are formed, they are indicated by their unique colour.



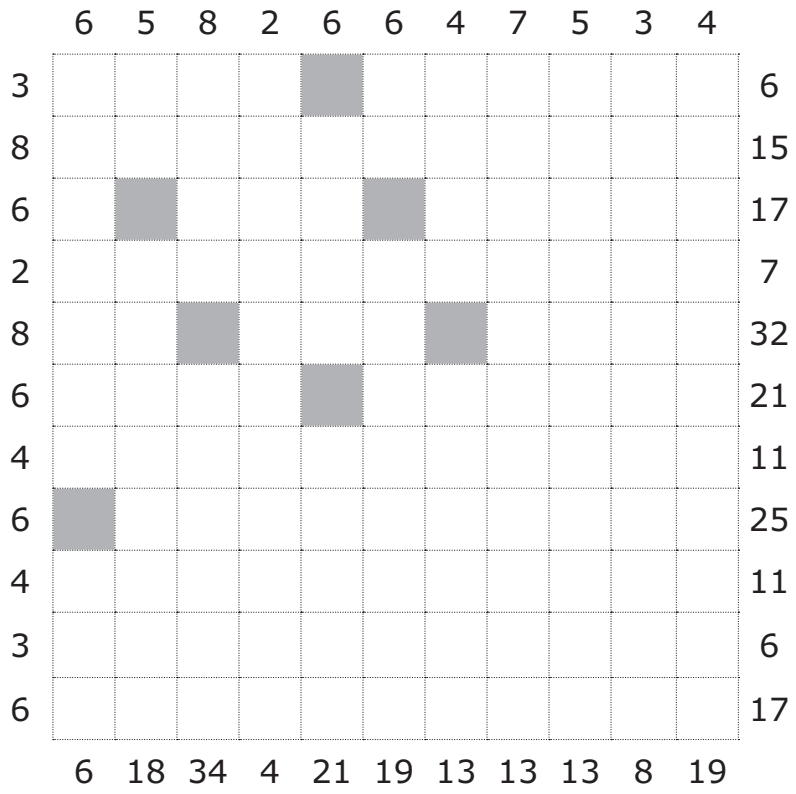
World Class Puzzles
from The Netherlands

DOMINO LOOP

29122017 - RS - 5* - 1837

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.

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



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World Class Puzzles
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01122017 - RS - 5* - 1817

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

04122017 - RS - 4* - 1818

		40	27			24				
28	5	8	6	7	2	4	9	3	1	
	2	7	4	3	1	9	6	5	8	
	9	1	3	5	8	6	4	7	2	9
26	6	2	1	8	4	5	7	9	3	
20	3	9	8	1	6	7	2	4	5	24
	7	4	5	9	3	2	8	1	6	29
21	4	6	9	2	5	3	1	8	7	
	1	3	2	4	7	8	5	6	9	
	8	5	7	6	9	1	3	2	4	10
				30			9	8		

05122017 - Hns - 4* - 1819

	4		4			2	4	3	5	
8										
4										
6										

06122017 - RS - 4* - 1820

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

07122017 - Hns - 4* - 1821

									B
	H						B		
				J					
						I			E
	A		A				E		
		A			A				
							G		
D		A			F			G	
	D								G
D				C			F		

08122017 - RS - 4* - 1822

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

11122017 - Hns - 4* - 1823

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

12122017 - RS - 3* - 1824

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

13122017 - Hns - 3* - 1825

0	1	0	0	1	0	1	0	1	1
1	0	1	0	0	1	0	1	0	1
0	1	0	1	1	0	1	1	0	0
0	0	1	0	0	1	1	0	1	1
1	0	1	0	1	1	0	1	0	0
0	1	0	1	1	0	0	1	0	1
1	0	1	1	0	0	1	0	1	0
0	0	1	0	1	1	0	1	1	0
1	1	0	1	0	0	1	0	0	1
1	1	0	1	0	1	0	0	1	0

WCPN puzzle archive - December 2017 solutions

World Class Puzzles
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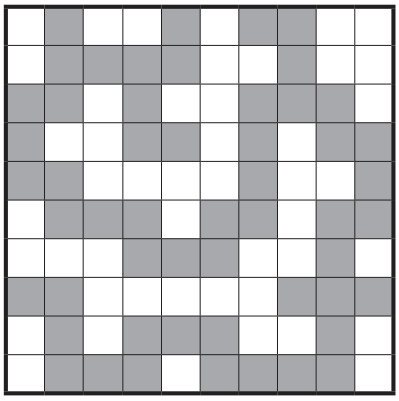
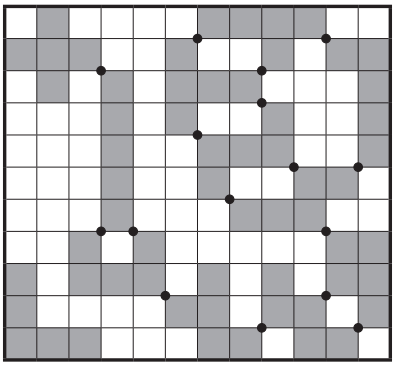
14122017 - RS - 4* - 1826

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

15122017 - RS - 4* - 1827



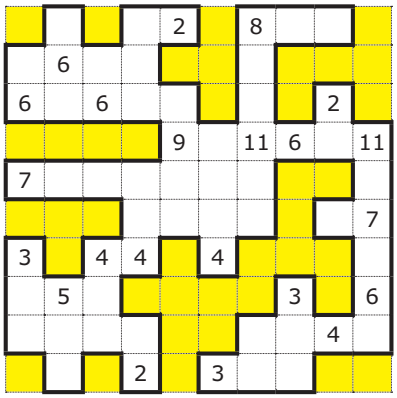
18122017 - RS - 3* - 1828



19122017 - RS - 3* - 1829

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

20122017 - RS - 3* - 1830



21122017 - RS - 4* - 1831

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

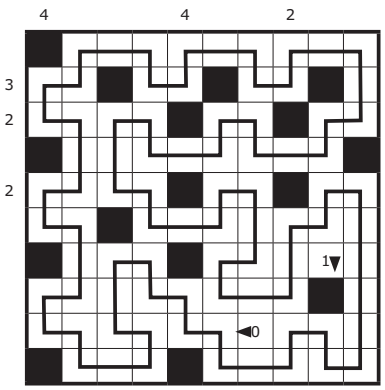
22122017 - RS - 5* - 1832

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

25122017 - RS - 3* - 1833

	23	11	33	0	17	4	23	6	7
7	3	8	9	2	5	1	4	7	6
18	7	1	5	3	6	4	9	2	8
3	2	4	6	8	7	9	3	1	5
16	1	5	4	7	9	3	8	6	2
0	8	2	3	6	4	5	7	9	1
7	6	9	7	1	8	2	5	4	3
9	5	6	8	9	2	7	1	3	4
24	4	7	1	5	3	6	2	8	9
9	9	3	2	4	1	8	6	5	7

26122017 - WZ - 3* - 1834



World Class Puzzles
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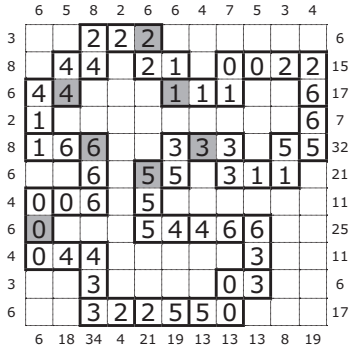
27122017 - RS - 3* - 1835

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

2812017 - RS - 4* - 1836

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

29122017 - RS - 5* - 1837



puzzle authors
RS - Richard Stolk
BdL - Bram de Laat
WZ - Wilbert Zwart
AB - Arvid Baars
Hns - Hns Eendebak

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

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