WCPN puzzle archive - September 2017

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

World Class Puzzles
from The Netherlands

SUDOKU - clone

01092017 - RS - 5* - 1752

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.

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

YAJILIN

04092017 - RS - 3* - 1753

Paint some cells black
so that every arrow
points to exactly the
corresponding number
of black squares. 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.

3▼	0▼							
			2►					
		2▼					◄1	
				3►				
					1▼			
	2►					◄2		
					1▲			
							◄2	2▲

World Class Puzzles
from The Netherlands

SUDOKU - disjoint groups

05092017 - RS - 3* - 1754

Place the digits 1-9
in each column, each
row and in all nine 3x3
blocks.
No digit can appear in
the same position in
different 3x3 blocks.

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

CAVE

06092017 - WZ - 4* - 1755

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.

9									
	2		2			7		7	
									3
	9		9			6		6	
				7					
			5						
	10		10			4		4	
6									
	11		11			5		5	
									12

World Class Puzzles
from The Netherlands

EASY AS ABCDE

07092017 - Hns - 4* - 1756

Fill in the grid with letters ABCDE so that each row and column contains each letter exactly once. Some cells remain empty. Letters outside the grid indicate the letter and the relative position of that letter in that row or column from that direction.

	D2	B1	C3	A1	E1	D2	C2	
C1								B1
E2								C3
A2								E2
E2								A2
A1								C1
C3								B1
A2								B2
	E1	D2	B2	D1	A2	C1	D3	

World Class Puzzles
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SUDOKU WITH GAPS

08092017 - RS - 5* - 1757

This sudoku is extra large and contains gaps, so that every row and column has 9 cells where the digits 1 to 9 have to be filled in, as well as in every 3x3-block; the gaps must be ignored while solving.

World Class Puzzles
from The Netherlands

STAR BATTLE

Place two stars with the size of one cell in each row, column and outlined region. The stars do not touch each other, not even diagonally.
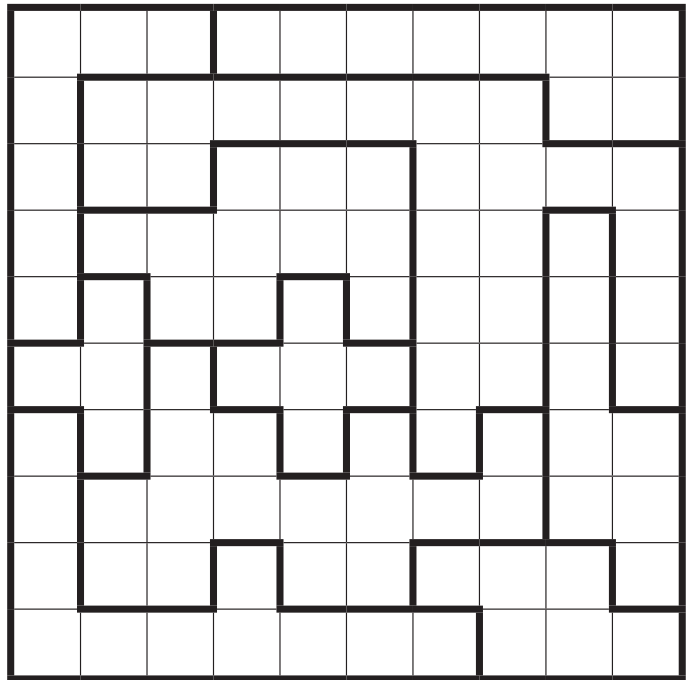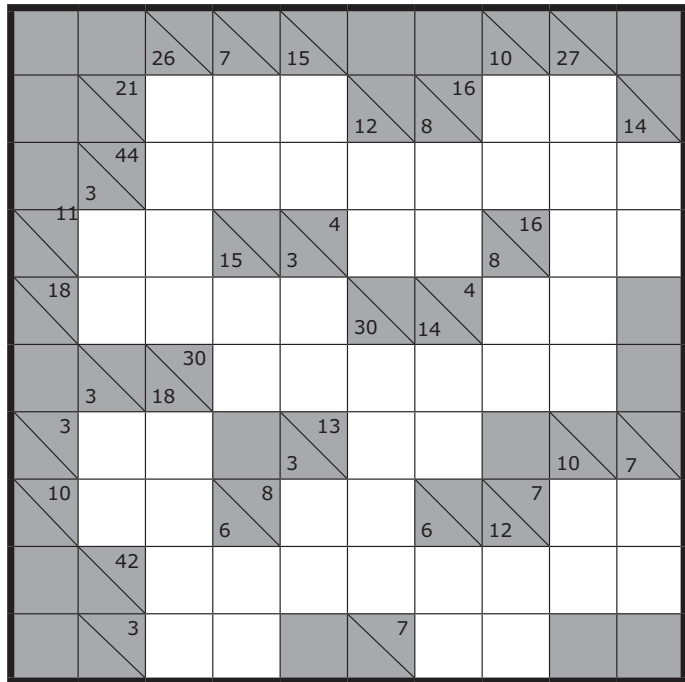
SUDOKU - cloned strands

Standard sudoku rules apply.
Each strand (the grey lines) must have exactly the same sequence of digits. Digits may repeat on strands.
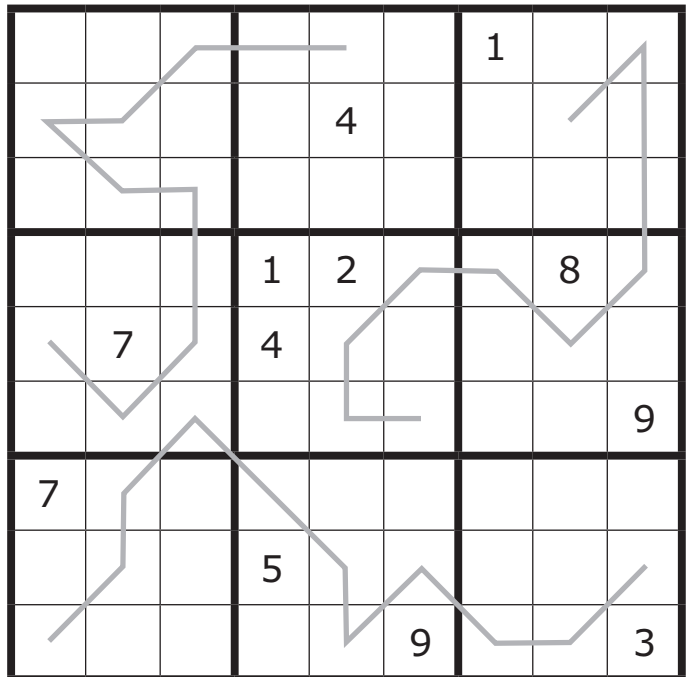
KAKURO
(aka Swedish Arithmetic Riddle)

13092017 - Hns - 3* - 1760

For each number the sum is equal to the number in the grey box. A number above a diagonal relates to the digits you need to fill in to the right. A number below a diagonal relates to the digits you need to fill in vertically below it. Enter digits 1–9 so that no digit repeats in any of the numbers.
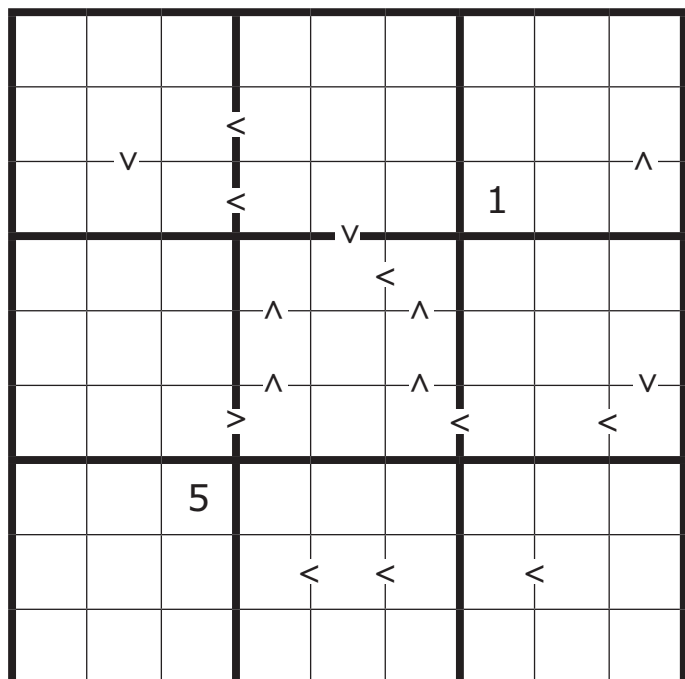
SUDOKU - greater than consecutive

14092017 - RS - 3* - 1761

Standard sudoku rules apply. In **all** cases where the difference between two neighbouring digits is 1, there is a greater or less sign between those digits. Digits must be placed in accordance with the signs.

World Class Puzzles
from The Netherlands

Easy as WCPN12345

Every row, column and 3x3-block contains the letters W, C, P and N and digits 1-5. Clues outside the grid indicate the first letter or digit seen from that position.

	1	C	4	W	2	P	4	W	1	
C				5						N
5								C		3
W										P
4			2							1
W					P	4				N
1										4
W							1			C
3		P								5
C					3					P
	N	1	C	2	C	1	N	2	W	

FENCES aka slitherlink

Draw a single closed loop into the grid by connecting the dots. The loop cannot touch itself, not even diagonally. The numbers in the cells indicate how many parts of the loop are directly beside, under or above the number.

World Class Puzzles
from The Netherlands

SUDOKU - five pair

190917 - WZ - 3* - 1764

Place the digits 1-9
in each column, each
row and in all nine 3x3
regions. A grey area
contains five different
digits. Each digit appears
exactly twice in that
area.

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

CITY CONSTRUCTION - spiral

20092017 - RS - 4* - 1765

Place all buildings in the grid.
Buildings may be rotated. They
may not touch each other, not
even diagonally. Draw a closed
loop that passes through all the
remaining white cells. The loop
does not cross or overlap itself.
The given grid is a spiral. Building
segments are numbered from 1
to 26, starting from the entrance
of the spiral (top left) and moving
towards the center. The numbers
outside the grid represent the sum
of the building segments in the
corresponding row or column. One
part of the loop is given.

	24		62	63	28	37		35	39
10									
10									
51									
86									
13									
50									
57									
14									
11									

1x museum 1x office 1x park

5x flat 5x house

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from The Netherlands
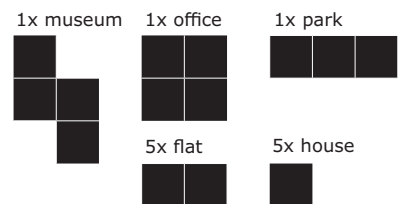
SUDOKU - extra regions surplus

Place the digits 1-9 in each column, each row and in all nine 3x3 regions. Both grey areas of 10 connected cells contain all digits 1-9 at least once.

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

NURIKABE

Shade some empty cells black so that the grid is divided into white areas, each containing exactly one number and with an area in cells equal to the value of that number. Two white areas may only touch diagonally. All black cells must be connected with each other, but no 2x2 square of cells can be entirely shaded black.

									4
	9		5		1				
								4	
		2			2				
				2			2		
	3								
				3		3		9	
2									

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from The Netherlands

LITS

Shade exactly four cells in each of the outlined regions so that they are orthogonally interconnected within the region and form one of the given shapes. Identical pieces may not touch each other orthogonally. Tetrominoes may be rotated and reflected, however they are still considered as the same type. All the shaded cells must be interconnected. Shaded cells cannot form a 2x2 square.

SUDOKU - renban

Place the numbers 1 to 9 on each row, in all columns and in the nine 3x3 regions. Numbers in coloured regions are consecutive.

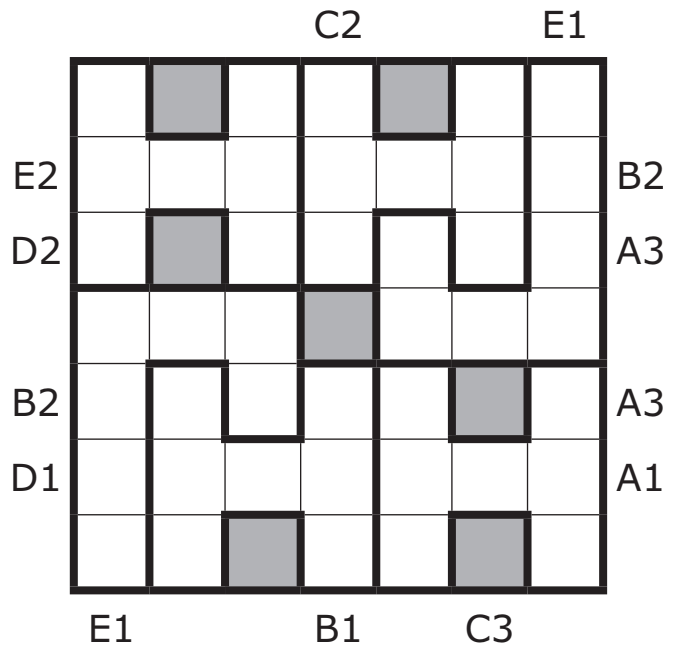## EASY AS ABCDE - scattered

27092017 - RS - 3* - 1770

Fill in the grid with letters ABCDE so that each row, column, bold outlined region and the grey cells contains each letter exactly once. Some cells remain empty. Letters outside the grid indicate the letter and the relative position of that letter in that row or column from that direction.

```
              C2        E1

       ┌──────────────────────┐
       │                      │
  E2   │                      │  B2
  D2   │                      │  A3
       │                      │
  B2   │                      │  A3
  D1   │                      │  A1
       │                      │
       └──────────────────────┘

       E1        B1   C3
```

BOXES

28092017 - RS - 4* - 1771

We have five separate boxes. Each box contains five different letters. Drawing one letter from each box can form these words. What letters are in the same box?

ADOPT
ALIVE
BEACH
BROKE
CHYME
FIGHT
FLIRT
MAQUI
MAZES
PILAW
PIXEL
PUJAS

1	2	3	4	5

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SUDOKU - killer

Fill in the whole grid with numbers from 1 to 9 so that no digit is repeated within a row, a column or an outlined 3x3 square.
There are some small coloured cages marked in the grid. For all of them, the following rules apply: number in the top left corner indicates the sum of all the numbers within the cage, whereas all of these numbers must be distinct.
White is a colour as well.

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01092017 - RS - 5* - 1752

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

04092017 - RS - 3* - 1753
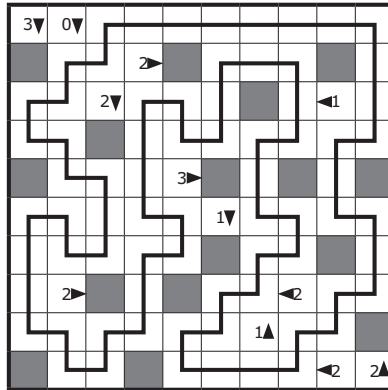
05092017 - RS - 3* - 1754

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

06092017 - WZ - 4* - 1755
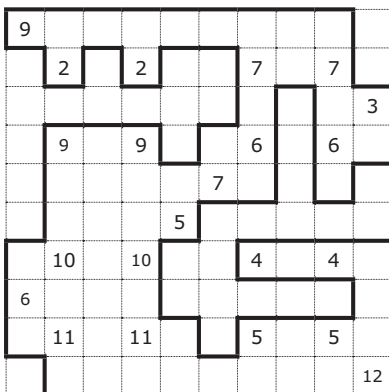
07092017 - Hns - 4* - 1756

	D2	B1	C3	A1	E1	D2	C2	
C1	C		D	A	E	B		B1
E2		B	E		C	D	A	C3
A2	D	A		B		E	C	E2
E2	B	E	C			A	D	A2
A1	A		B	E	D	C		C1
C3	E	D		C	A		B	B1
A2		C	A	D	B		E	B2
	E1	D2	B2	D1	A2	C1	D3	

08092017 - RS - 5* - 1757
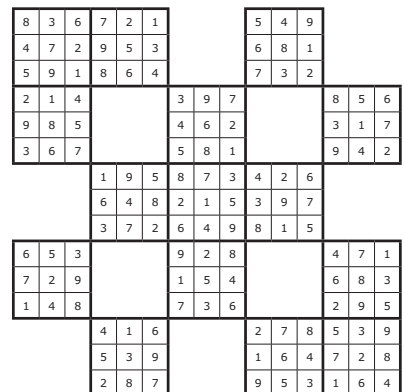
11092017 - RS - 3* - 1758
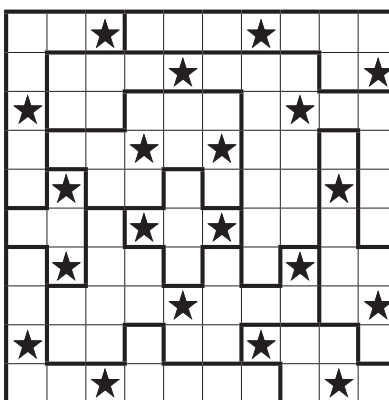
12092017 - RS - 4* - 1759

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

13092017 - Hns - 3* - 1760

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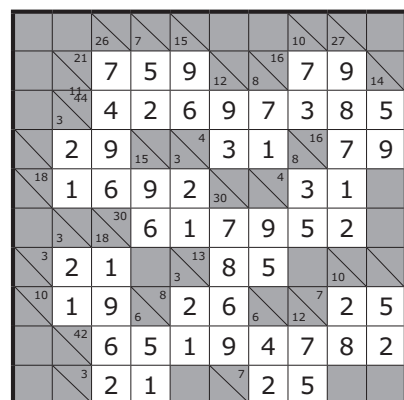
14092017 - RS - 3* - 1761

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

15092017 - WZ - 6* - 1762

	1	C	4	W	2	P	4	W	1	
C	1	C	P	5	2	3	4	W	N	N
5	W	5	N	4	1	P	2	3	C	3
W	2	3	4	W	N	C	P	5	1	P
4	C	4	2	N	W	5	3	1	P	1
W	3	W	5	1	P	4	C	N	2	N
1	P	N	1	3	C	2	5	4	W	4
W	4	2	W	P	5	N	1	C	3	C
3	N	P	3	C	4	1	W	2	5	5
C	5	1	C	2	3	W	N	P	4	P
	N	1	C	2	C	1	N	2	W	

18092017 - RS - 4* - 1763
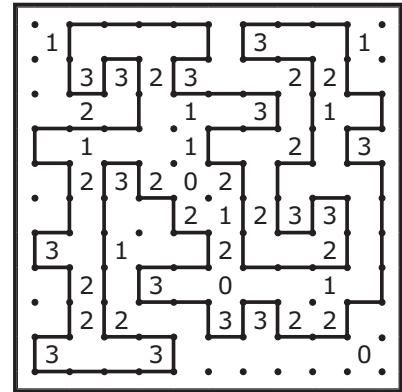
190917 - WZ - 3* - 1764

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

20092017 - RS - 4* - 1765
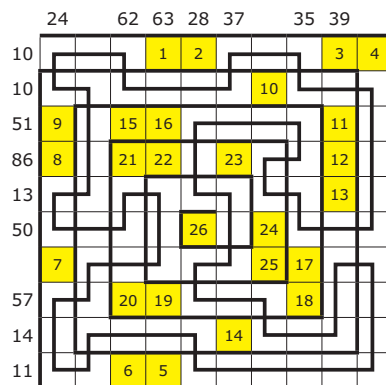
21092017 - WZ - 3* - 1766

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

22092017 - RS - 5* - 1767
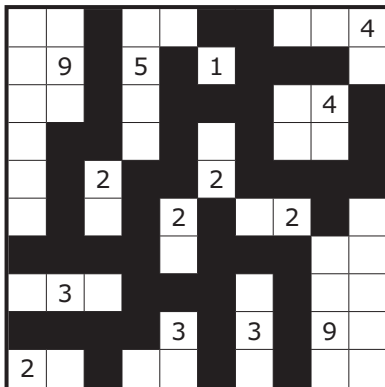
25092017 - RS - 3* - 1768
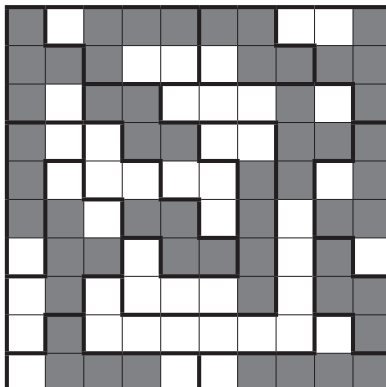
26092017 - WZ - 3* - 1769

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

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World Class Puzzles
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27092017 - RS - 3* - 1770

			C2			E1	
	C	B		D		A	E
E2	A	E		C	B		D	B2
D2	B		D		A	E	C	A3
	D	A	C	E			B
B2	E		B	A	D	C		A3
D1		D	E		C	B	A	A1
		C	A	B	E	D	
	E1		B1		C3		

28092017 - RS - 4* - 1771

1	2	3	4	5
P	D	A	T	O
V	I	R	E	L
B	C	Y	Q	H
M	K	G	W	U
F	S	X	J	Z

29092017 - WZ - 5* - 1772

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

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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