



Name

Number

WCPN Dutch Sudoku Championships 2017

Saturday June 17th, 2017

Part II - Miscellaneous

60 minutes

puzzle	points			
1 Arrows	60	<input type="text"/>	<input type="text"/>	<input type="text"/>
2 Parity	55	<input type="text"/>	<input type="text"/>	<input type="text"/>
3 XV	75	<input type="text"/>	<input type="text"/>	<input type="text"/>
4 Maxed Quads	80	<input type="text"/>	<input type="text"/>	<input type="text"/>
5 Thermometers	65	<input type="text"/>	<input type="text"/>	<input type="text"/>
6 Renban	95	<input type="text"/>	<input type="text"/>	<input type="text"/>
7 Consecutive	90	<input type="text"/>	<input type="text"/>	<input type="text"/>
8 Chaos	65	<input type="text"/>	<input type="text"/>	<input type="text"/>
9 Killer 2017	115	<input type="text"/>	<input type="text"/>	<input type="text"/>
	700	<input type="text"/>		

ORTEC

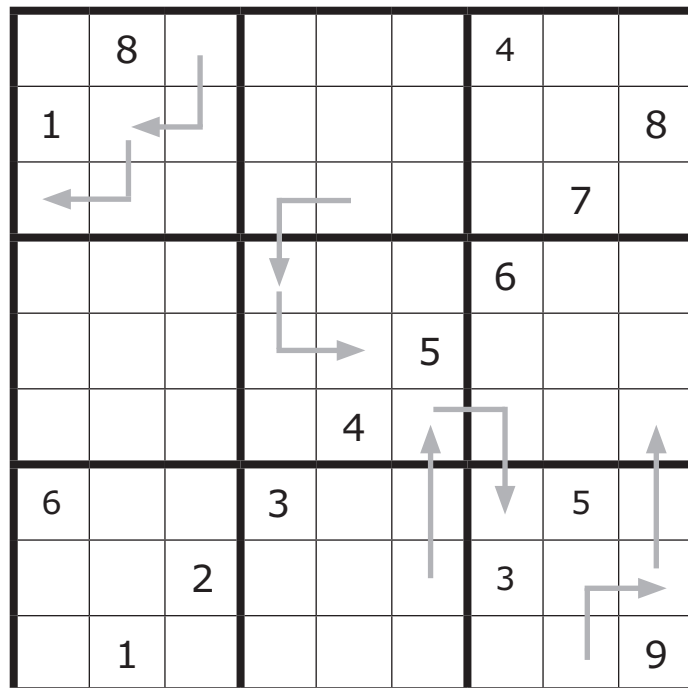
OPTIMIZE YOUR WORLD

WCPN Dutch Sudoku Championships 2017

Part II - Miscellaneous

1 SUDOKU - arrows

Place the digits 1-9 in each column, each row and in all nine 3x3 regions.
The digits in the arrow points are the sum of the digits in the arrow.
The arrows in the puzzle form the WCPN-logo.



60
points

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Part II - Miscellaneous

2 SUDOKU - parity

Standard sudoku rules apply. All numbers on a grey line have the same parity (odd or even). The lines in the puzzle form the WCPN-logo.

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

55
points

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Part II - Miscellaneous

3 SUDOKU - XV

Standard sudoku rules apply. X markers show **all** adjacent pairs of cells where the two values in those cells add up to 10, while V markers show **all** pairs where the two values sum to 5.

X		X						
	X		X			V		
	9		3	2	V	7		
		7			9	2		
	6		7			5		
		V						
		V				X		X
						X		X

75
points

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Part II - Miscellaneous

4 SUDOKU - maxed quads

Standard sudoku rules apply. Arrows are present between two diagonally adjacent quads. In the quad pointed at by the arrow, all digits are greater than the digits in their corresponding positions in the other quad. Digits may repeat in quads.

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

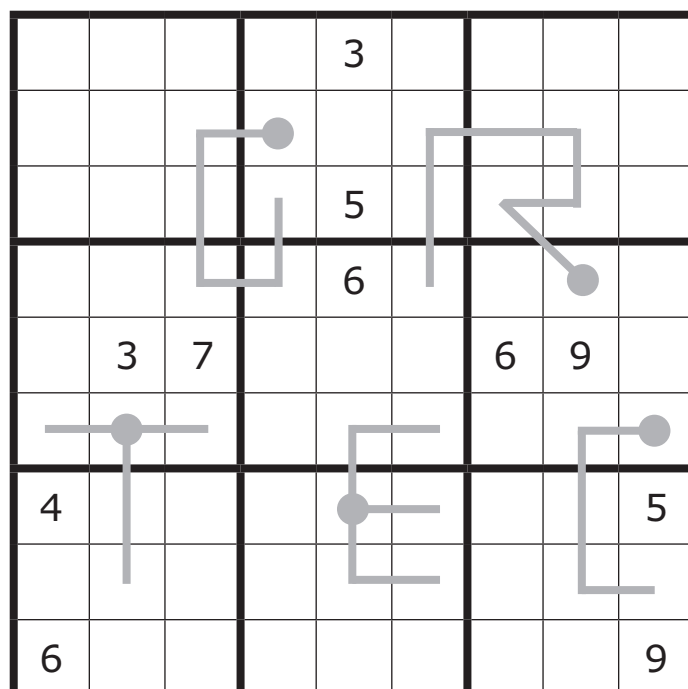
80
points

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Part II - Miscellaneous

5 SUDOKU - thermometers

Standard sudoku rules apply. The digits in each thermometer-shaped region should be in increasing order, from the bulb towards the end(s). Note the shape of the thermometers!



65
points

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Part II - Miscellaneous

6 SUDOKU - renban

Standard sudoku rules apply. Digits placed on each shape (formed by a gray line) form a renban group. A renban group contains consecutive digits, without repetition, in any order. Note the shape of the renban groups!

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

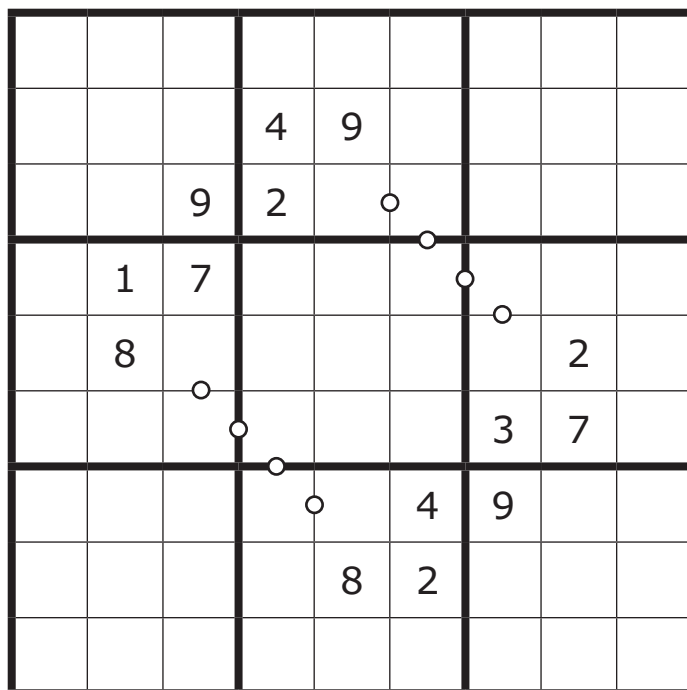
95
points

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Part II - Miscellaneous

7 SUDOKU - consecutive

Standard sudoku rules apply. **All** places where consecutive numbers have to be filled in are marked with a circle.



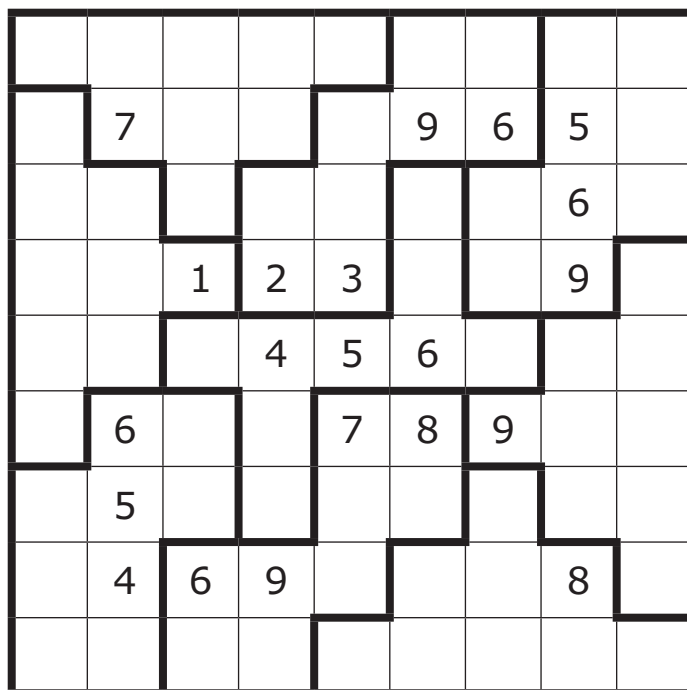
90
points

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Part II - Miscellaneous

8 SUDOKU - chaos

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



65
points

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Part II - Miscellaneous

9 SUDOKU - killer

Standard sudoku rules apply. The sum of the cells in a cage must equal the total given for the cage. Each digit in the cage must be unique.

	20		3			14		
		17		8			10	
			20		6			
17				17		16		
	9				20		18	
		13				17		
9			7				20	
	8			20				17

115
points

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Part II - Miscellaneous - solutions

1 arrows

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

2 parity

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

3 XV

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

4 maxed quads

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

5 thermometers

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

6 renban

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

7 consecutive

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

8 chaos

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

9 killer

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

Puzzle design:
Richard Stolk
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