



WPF
SUDOKU/PUZZLE
GRAND PRIX
2015

WPF SUDOKU GP 2015 COMPETITION BOOKLET

ROUND 5

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Organised by



WORLD PUZZLE FEDERATION

**1 Classic Sudoku****(20 points)**

Place a digit from 1 to 9 in each empty cell so that each digit appears exactly once in every row, column, and outlined 3×3 region.

1A →

1B →

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

2 Classic Sudoku**(25 points)**

Place a digit from 1 to 9 in each empty cell so that each digit appears exactly once in every row, column, and outlined 3×3 region.

2A →

2B →

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

**3 Classic Sudoku****(30 points)**

Place a digit from 1 to 9 in each empty cell so that each digit appears exactly once in every row, column, and outlined 3×3 region.

3A →

3B →

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

4 Classic Sudoku**(30 points)**

Place a digit from 1 to 9 in each empty cell so that each digit appears exactly once in every row, column, and outlined 3×3 region.

4A →

4B →

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

**5 Classic Sudoku****(55 points)**

Place a digit from 1 to 9 in each empty cell so that each digit appears exactly once in every row, column, and outlined 3×3 region.

5A →

5B →

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

6 Odd Sudoku**(25 points)**

Apply Classic Sudoku rules. Additionally, all digits in the grey cells must be odd.

6A →

6B →

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

**7 Anti-Knight Sudoku****(25 points)**

Apply Classic Sudoku rules. Additionally, no two identical digits can be a chess knight's move away from each other (as shown in the diagram below).

	x		x	
x				x
		1		
x				x
	x		x	

7A →

7B →

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

8 Fortress Sudoku**(105 points)**

Apply Classic Sudoku rules. Additionally, each digit in a shaded cell must be larger than any digit in an unshaded cell that it shares an edge with.

8A →

8B →

			1		2			
	3						4	
5				6				7
			8		9			

**9 Extra Region Sudoku****(40 points)**

Apply Classic Sudoku rules. Additionally, each digit appears exactly once in each of the extra shaded regions.

9A →

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

9B →

10 Thermo-Sudoku**(50 points)**

Apply Classic Sudoku rules. Additionally, some thermometers are in the grid. Digits on a thermometer are strictly increasing from the round bulb.

10A →

						9	
							7
			3				
							4
			8				
2							
			2				
5							
	6						

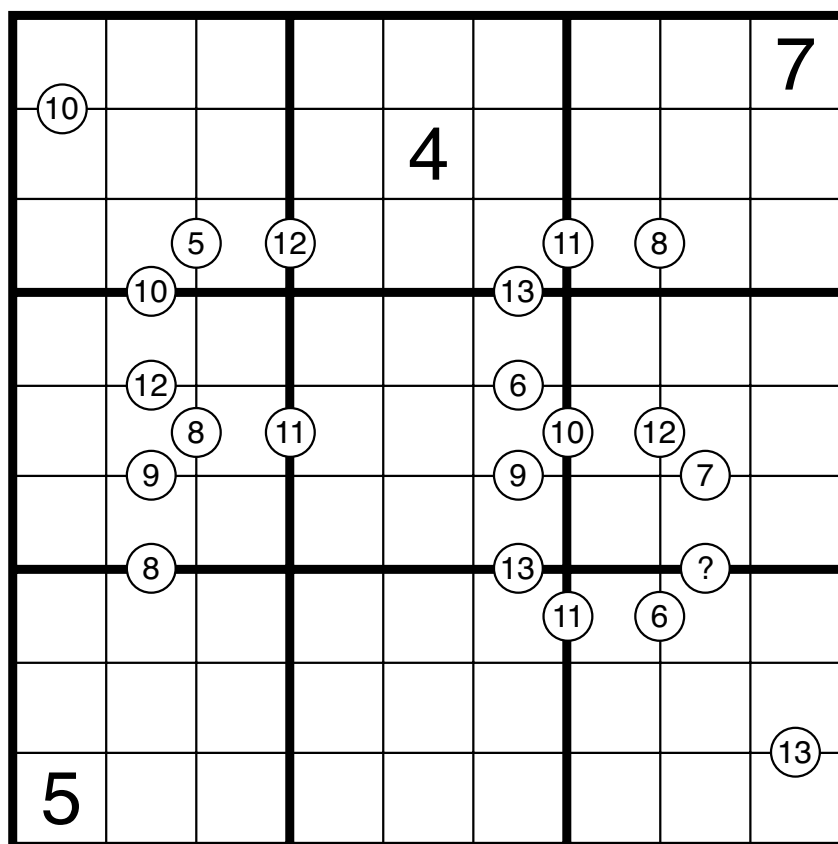
10B →

**11 Neighbor Sums Sudoku****(30 points)**

Apply Classic Sudoku rules. Additionally, some edges are marked with the sums of the digits in the adjacent cells.

11A →

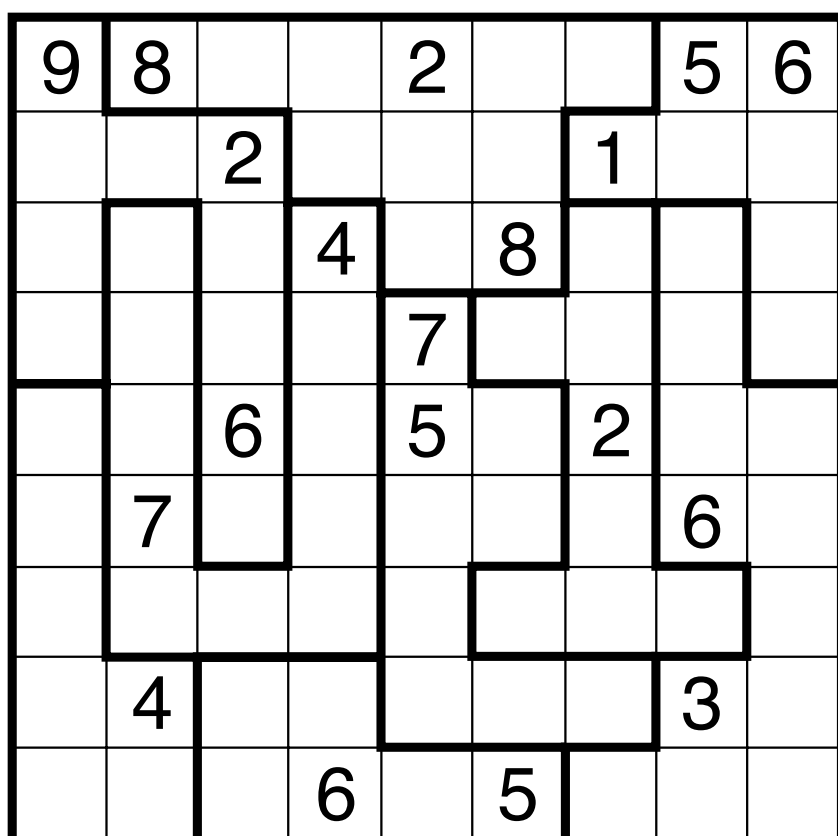
11B →

**12 Serbian Irregular Sudoku****(55 points)**

Place a digit from 1 to 9 in each empty cell so that each digit appears exactly once in every row and column. In bold regions of size $N \leq 9$, the digits 1 to N must appear exactly once. In bold regions of size $N > 9$, the $(N-9)$ largest digits will appear twice while the remaining digits will appear once. For example, a region with 11 cells will contain the digits 1, 2, 3, 4, 5, 6, 7, 8, 8, 9, 9, with the two largest digits, 8 and 9, repeated.

12A →

12B →



**13 Diagonal Consecutive Sudoku****(45 points)**

Apply Classic Sudoku rules. Additionally, all pairs of diagonally adjacent cells containing consecutive digits are marked by a line. (This means that all diagonally adjacent cells without a line cannot contain consecutive digits.)

13A →

13B →

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

14 Diagonal Sum is Nine Sudoku**(65 points)**

Apply Classic Sudoku rules. Additionally, all pairs of diagonally adjacent cells containing digits that sum to nine are marked by a line. (This means that all diagonally adjacent cells without a line cannot contain digits that sum to nine.)

14A →

14B →

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