



WPF
SUDOKU/PUZZLE
GRAND PRIX
2022

WPF SUDOKU GP 2022
INSTRUCTION BOOKLET

ROUND 2

Puzzle authors:
Czech Republic & Slovakia
Jakub Hrazdira
Jan Vondruška
Matúš Demiger

Organised by



WORLD PUZZLE FEDERATION

General Answer Format:

Each Sudoku has two marked rows or columns. You need to submit all digits in the corresponding directions, from left to right or from top to bottom.



In the example, the two answer keys are:

1A: 367594218

1B: 283749165

All puzzles will use digits 1-9 in the submission.



Submission Page:

<http://gp.worldpuzzle.org/content/sudoku-gp>

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

Version:

This is version 1 of the instruction booklet.

Points:

1	Classic Sudoku	18
2	Classic Sudoku	20
3	Classic Sudoku	26
4	Classic Sudoku	27
5	Classic Sudoku	27
6	Classic Sudoku	30
7	Diagonal Sudoku	38
8	Multi Diagonal Sudoku	52
9	Thermo Sudoku	27
10	Stretched Thermo Sudoku	63
11	Non-Consecutive Sudoku	49
12	Diagonally Non-Consecutive Sudoku	84
13	Killer Sudoku	75
14	Number 5 is Alive Sudoku	64

TOTAL: 600

1-6 Classic Sudoku

Place a digit from 1-9 in each empty cell in the grid such that each row, column and marked 3×3 box contains each digit exactly once.

Example

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

Solution

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

7 Diagonal Sudoku

Apply classic sudoku rules. Each marked diagonal must also contain each digit from 1-9 exactly once.

Example

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

Solution

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

8 Multi Diagonal Sudoku

Apply classic sudoku rules. Every marked diagonal line contains each digit no more than once.

Example

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

Solution

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

9 Thermo Sudoku

Apply classic sudoku rules. Starting at the "bulb", digits placed along each marked thermometer must form a strictly increasing sequence.

Example

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

Solution

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

10 Stretched Thermo Sudoku

Apply classic sudoku rules. Starting at the "bulb", digits placed along each marked thermometer cannot decrease (they can increase or stay equal).

Example

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

Solution

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

11 Non-Consecutive Sudoku

Apply classic sudoku rules. Digits placed in adjacent cells must not be consecutive.

Example

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

Solution

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

12 Diagonally Non-Consecutive Sudoku

Apply classic sudoku rules. Digits placed in diagonally neighbouring cells must not be consecutive.

Example

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

Solution

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

13 Killer Sudoku

Apply classic sudoku rules. The digits placed in each marked cage must sum to the total given in its top-left. Digits must not repeat in cages.

Example

16				12				17
		29						
23						27		
								2
			4	2				10
2	12							
				10				
9								
		7						14

Solution

16	7	9	4	3	12	5	6	1	2	8
	1	3	29	5	7	2	8	6	4	9
23	6	2	8	9	1	4	27	5	7	3
	8	4	7	1	3	5	9	6	2	
	9	5	6	4	8	2	7	3	10	1
	2	12	1	3	6	9	7	8	5	4
	3	6	2	8	7	10	1	4	9	5
9	4	8	9	5	6	3	2	1	7	
	5	7	1	2	4	9	3	8	6	

**14 Number 5 is Alive Sudoku**

Apply classic sudoku rules. Digits must not repeat in cages and their sums end with 5 (the sums can be 5, 15, 25, 35 or 45).

Example

				3	2			
			9			8		
		5						3
	2							
	8						1	
					9			
5				9				
	3			8				
		9	3					

Solution

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