



# AISC Round 3 (Problems)

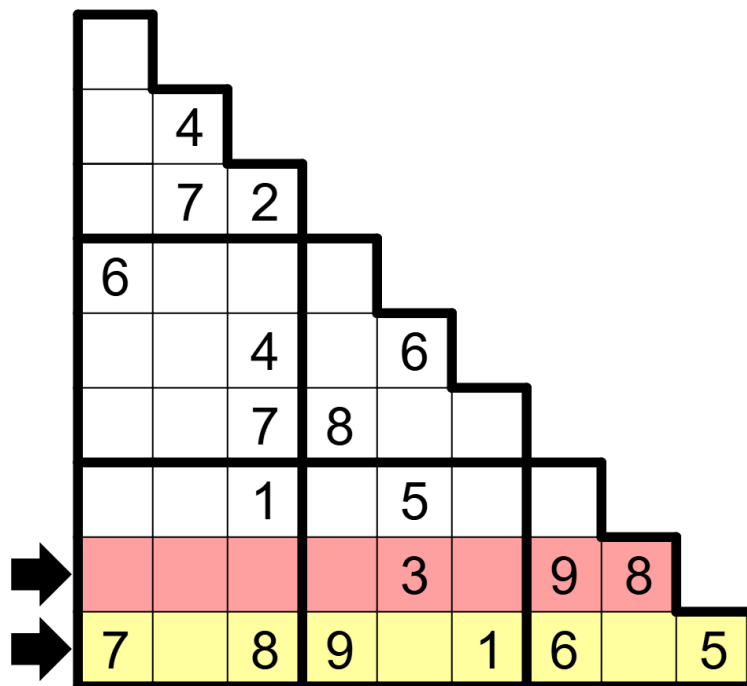
## Rules

1. **Twodoku** ("*Sensei Sudoku*", "*DoubleDoku*") consists of two grids  $9 \times 9$ . The numbers must be placed correctly for both puzzle squares.
2. **Sujiken** (from Japanese "*sujikai*", literally "*diagonal*") is a variation of **Sudoku**, invented by **George Heineman (USA)**. The puzzle consists of a triangular grid of cells containing digits from 1 to 9. The objective is to fill a grid with digits so that each cell contains a digit and no digit is repeated in any column, row and diagonal in any direction. Also, no digit occurs twice in any of the three larger  $3 \times 3$  square regions and any of the three larger triangular regions enclosed by thick borders.
3. **Little Unique Killer Sudoku** is a variation of **Little Killer Sudoku**. Clues outside the grid indicate the sums of digits in the direction of the corresponding arrow. Digits may not repeat within a sum.
4. **Note the answer key, all digits in highlighted cell without space, left to right.**
5. **Submit the answer key at contest page.**

### Problem 1: Twodoku Sudoku

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

## Problem 2 : Sujiken Sudoku



Problem 3: Little Unique Killer

