

FRENCH SUDOKU TEAM WSC 2011

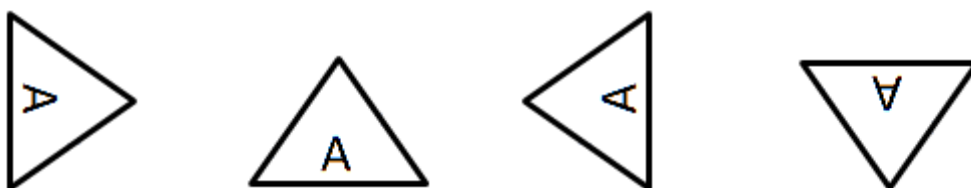
PRE-QUALIFICATION

23 – 24 april

Duration : 2 hours

Information on the tournament

The answer-codes will be constituted by the digits of rows or columns indicated by the following symbols, where letters from A to C will represent rows and columns,



at the exception of Just one cell sudoku. For this one, there will be two fields. In the first one you will have to enter the digit which can be placed with certainty and in the second one the row and the column of this digit.

Puzzles were created by Yannick Meyapin and Bastien Vial-Jaime.

Composition of the test

- Classical sudoku 15 points - 30 points - 50 points
- Tight fit sudoku 20 points
- Diagonal sudoku 75 points
- Just one cell sudoku 35 points
- Product sudoku 70 points
- Sudoku 1 – 4 – 7 45 points
- Frame sudoku 75 points
- Alphabet sudoku 20 points
- Arrow sudoku 60 points
- Surprise : even sudoku 65 points
- Untouch sudoku 40 points

Total points : 600 points

We wish you good luck and hope that you will have pleasure to solve these puzzles. If you liked in particular the puzzles untouch sudoku, diagonal sudoku and arrow sudoku you will probably like the puzzles from website <http://ile-logique.blogspot.com> of Bastien Vial-Jaime.

Sudoku Classique – Classical sudoku 1**15 points**

Each row, column and 3x3 region must contain the digits from 1 to 9.

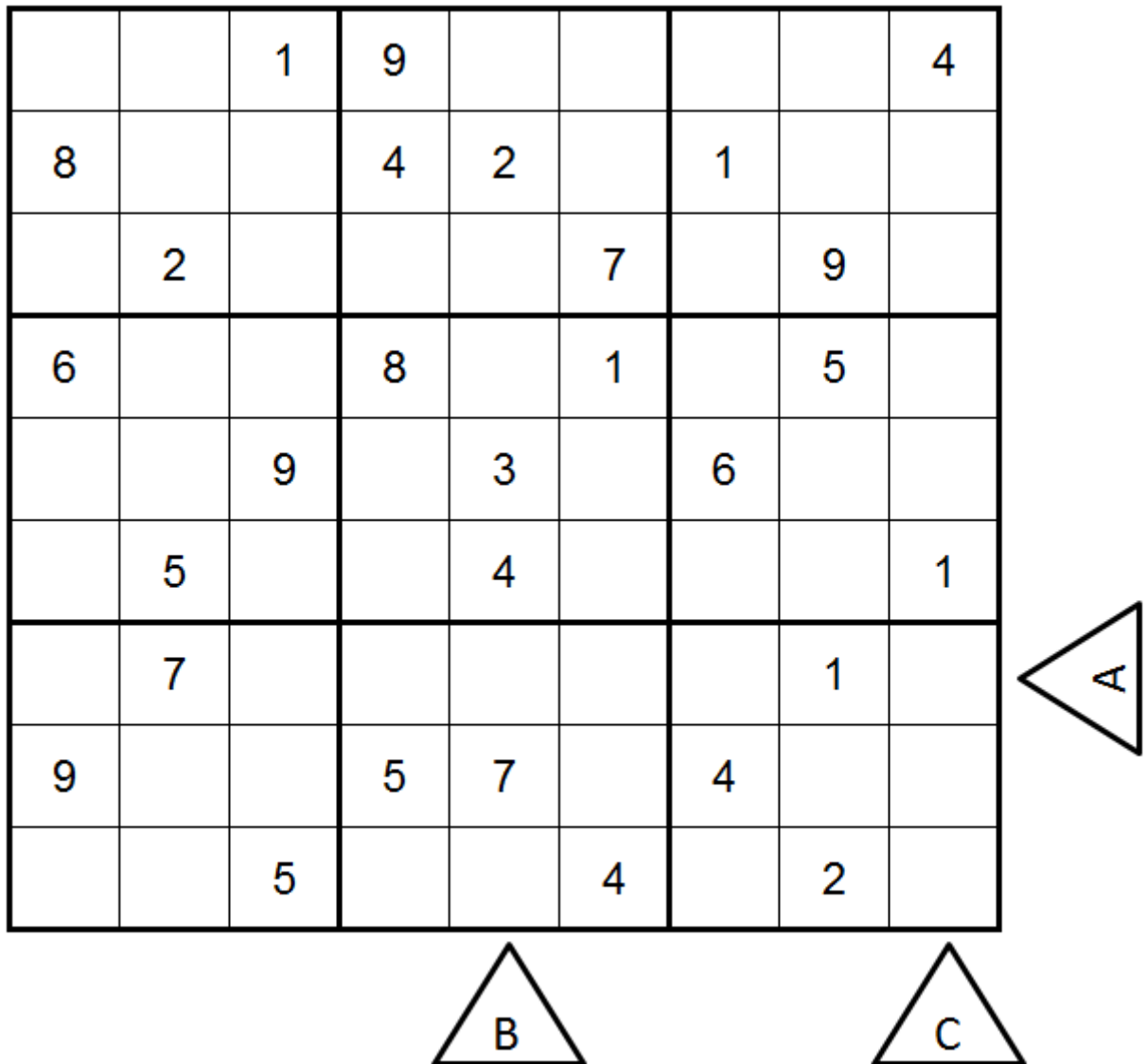
1			6		4	9		
	5		3				2	
		8	2					5
		1	8		5			6
	8			3			1	
3			4		1	2		
7					9	5		
	1				3		7	
		5	7		6			3

A

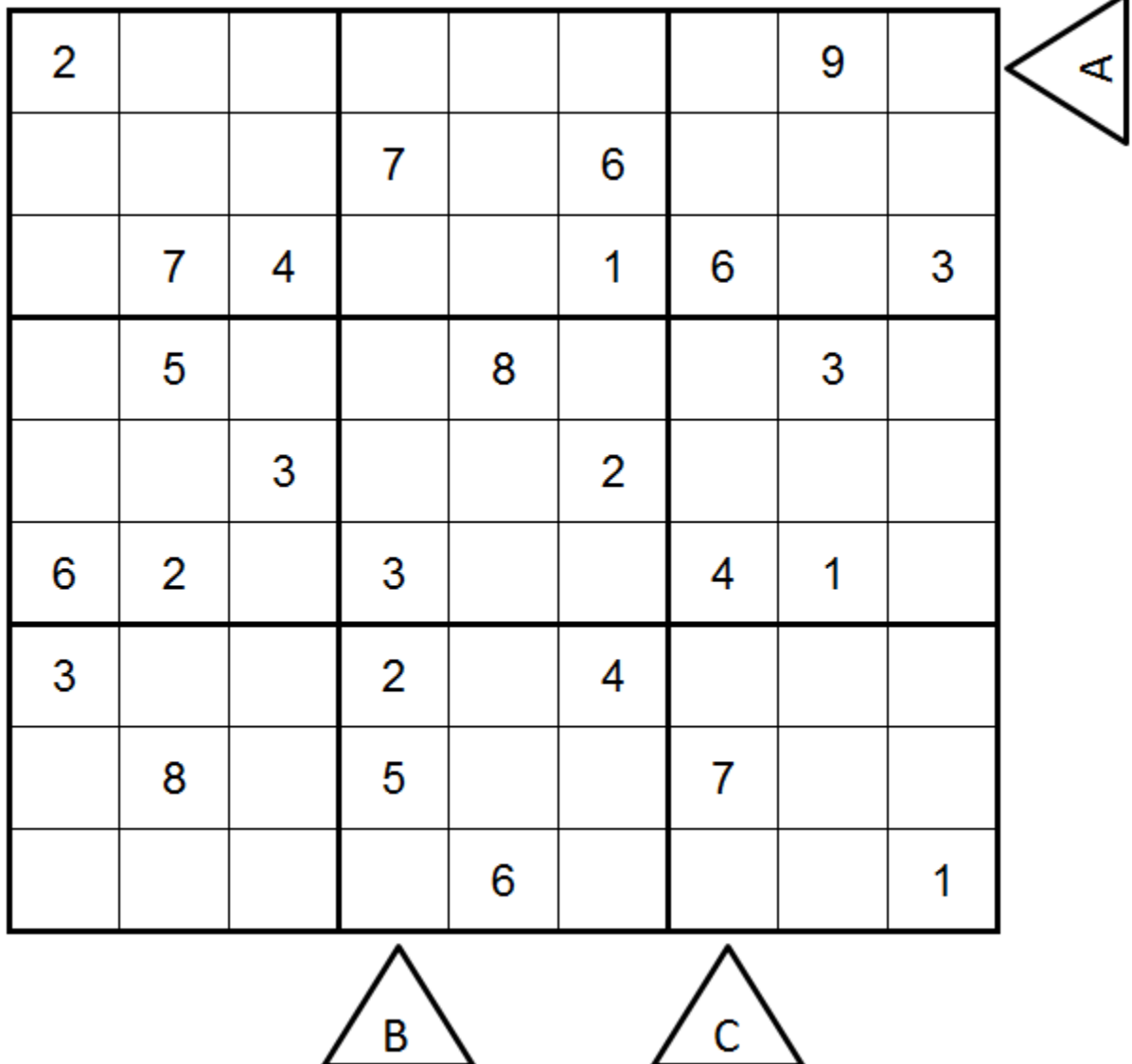
B

C

Each row, column and 3x3 region must contain the digits from 1 to 9.



Each row, column and 3x3 region must contain the digits from 1 to 9.

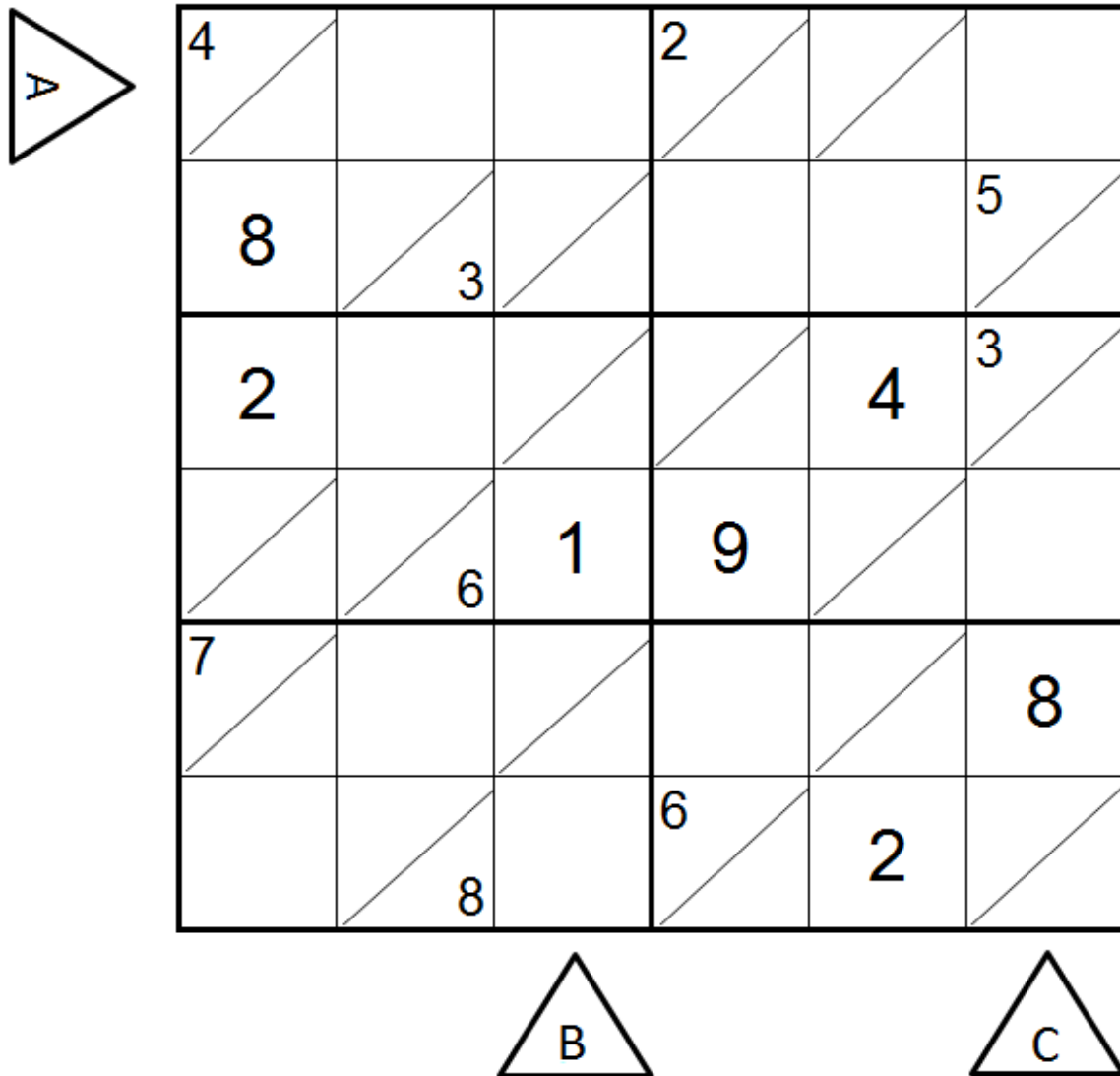


Sudoku imbriqué – Tight-fit sudoku**20 points**

Each row, column and 3x3 region must contain the digits from 1 to 9.

A cell divided by an oblique line must contain two digits.

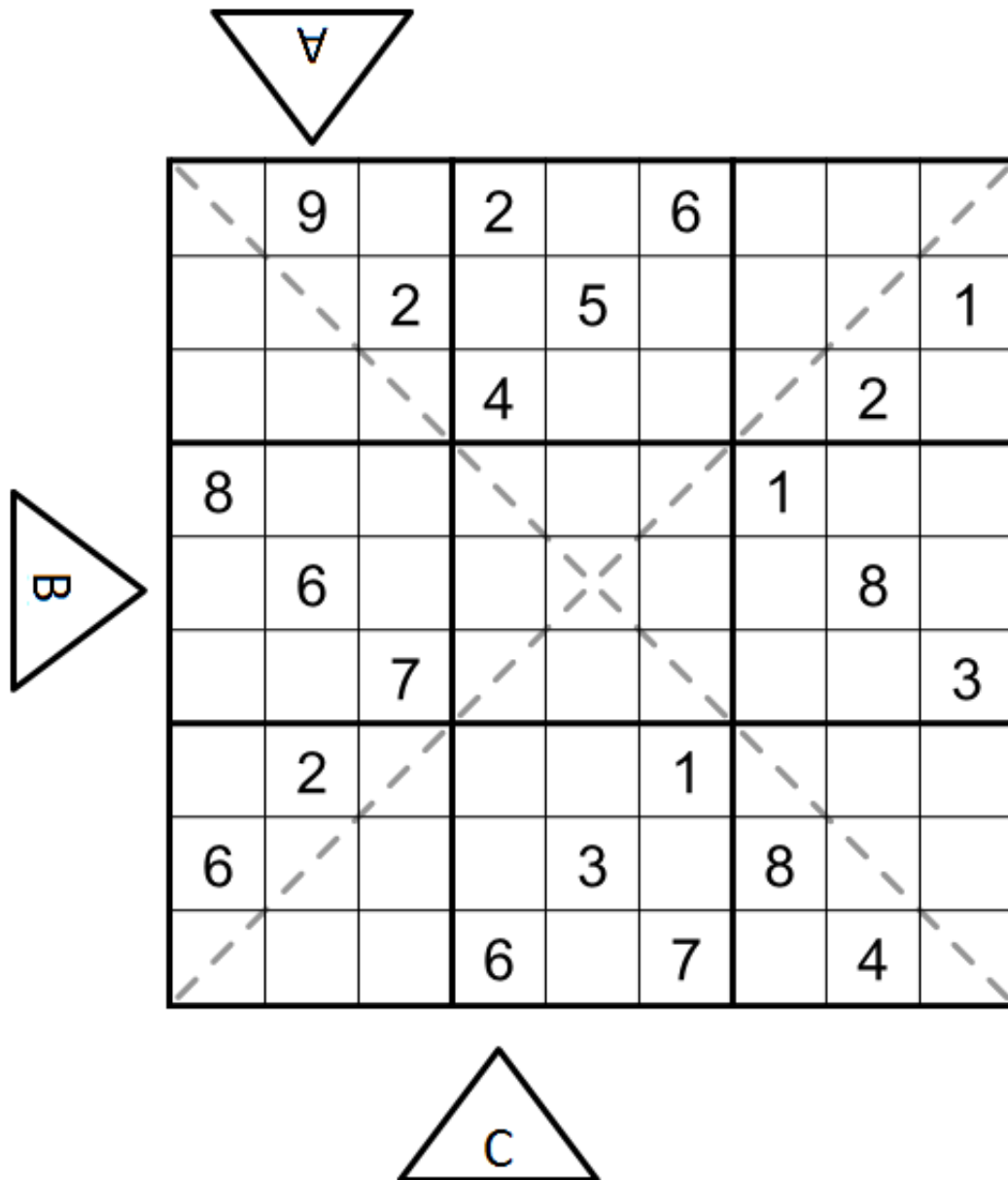
The digit located under the line is always bigger than the digit on top of the line.



Sudoku diagonal**75 points**

Each row, column and 3x3 region must contain the digits from 1 to 9.

Moreover, each of the two diagonals marked by a dotted line must also contain the digits from 1 to 9.



Sudoku pour une seule cellule – Just one cell sudoku**35 points**

Each row, column and 3x3 region must contain the digits from 1 to 9.

The puzzle has several solutions. However, one additional digit regarding the given digits can be placed with certainty in the puzzle.

Find which digit and in which cell.

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

Sudoku Produit – Product sudoku

70 points

Each row, column and 3x3 region must contain the digits from 1 to 9.

In the areas delimited by dotted lines, the clues give the value of the product of digits within the area. It is possible to find several times the same digit in an area.



210	8		16	270		108	672	
	216							
			84			120		
864		54	240					378
					280			
540		2940	96					
						240	54	
336				864				
						140		

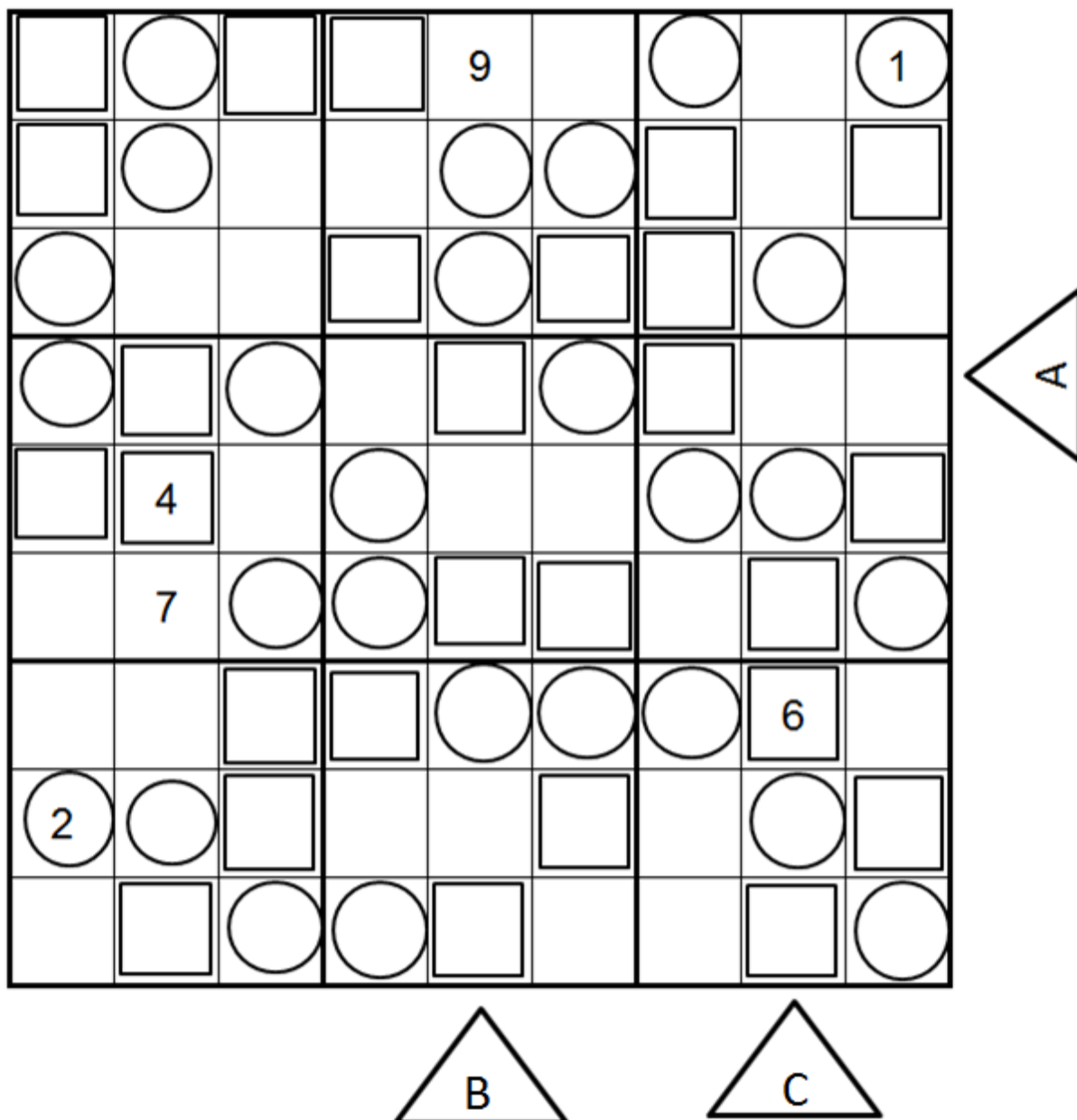


Sudoku 1-4-7 45 points

Each row, column and 3x3 region must contain the digits from 1 to 9.

The grid contains three types of cells which all have a distinct particularity.

Digits from 1 to 3 are contained in cells of the same type ; so are the digits from 4 to 6, and the digits from 7 to 9.



Sudoku encadré - Frame sudoku

75 points

Each row, column and 3x3 region must contain the digits from 1 to 9.

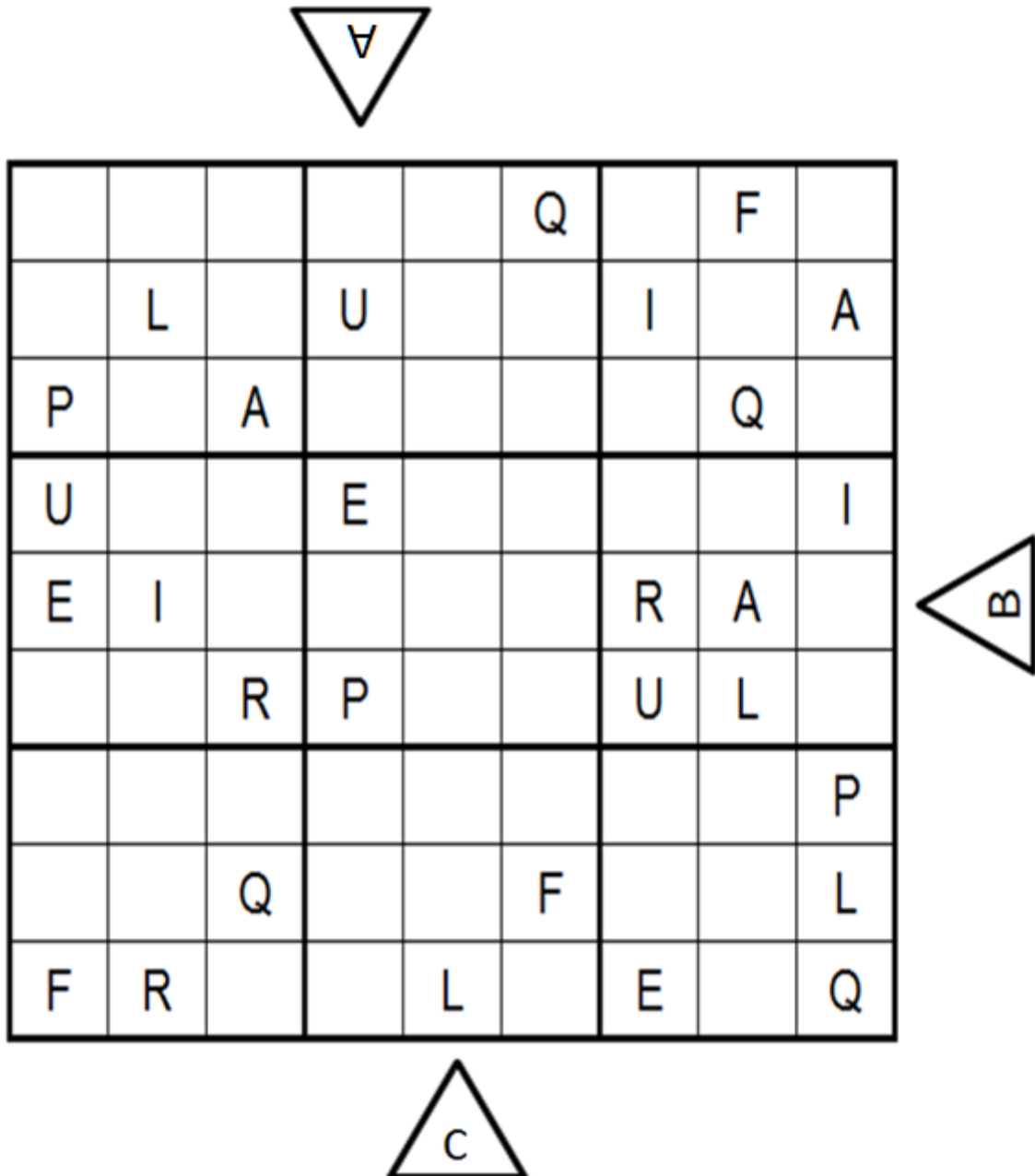
Clues outside the puzzle give the sum of the first three digits in the corresponding row / column.

Row clues (top): 22, 7, 16, 19, 15, 11, 16, 10, 19
 Column clues (left): 12, 21, 12, 12, 16, 17, 16, 16, 13
 Column clues (right): 13, 18, 14, 12, 19, 14, 6, 20, 19
 Row clues (bottom): 16, 22, 7, 18, 13, 14, 14, 14, 17

Clue A: Triangle pointing right, containing the number 4.
 Clue B: Triangle pointing left, containing the number 8.
 Clue C: Triangle pointing up, containing the number 3.

Alphabet sudoku**20 points**

In this puzzle, digits from 1 to 9 are replaced by a series of 9 letters.
Each row, column and 3x3 region must contain the letters of the series.

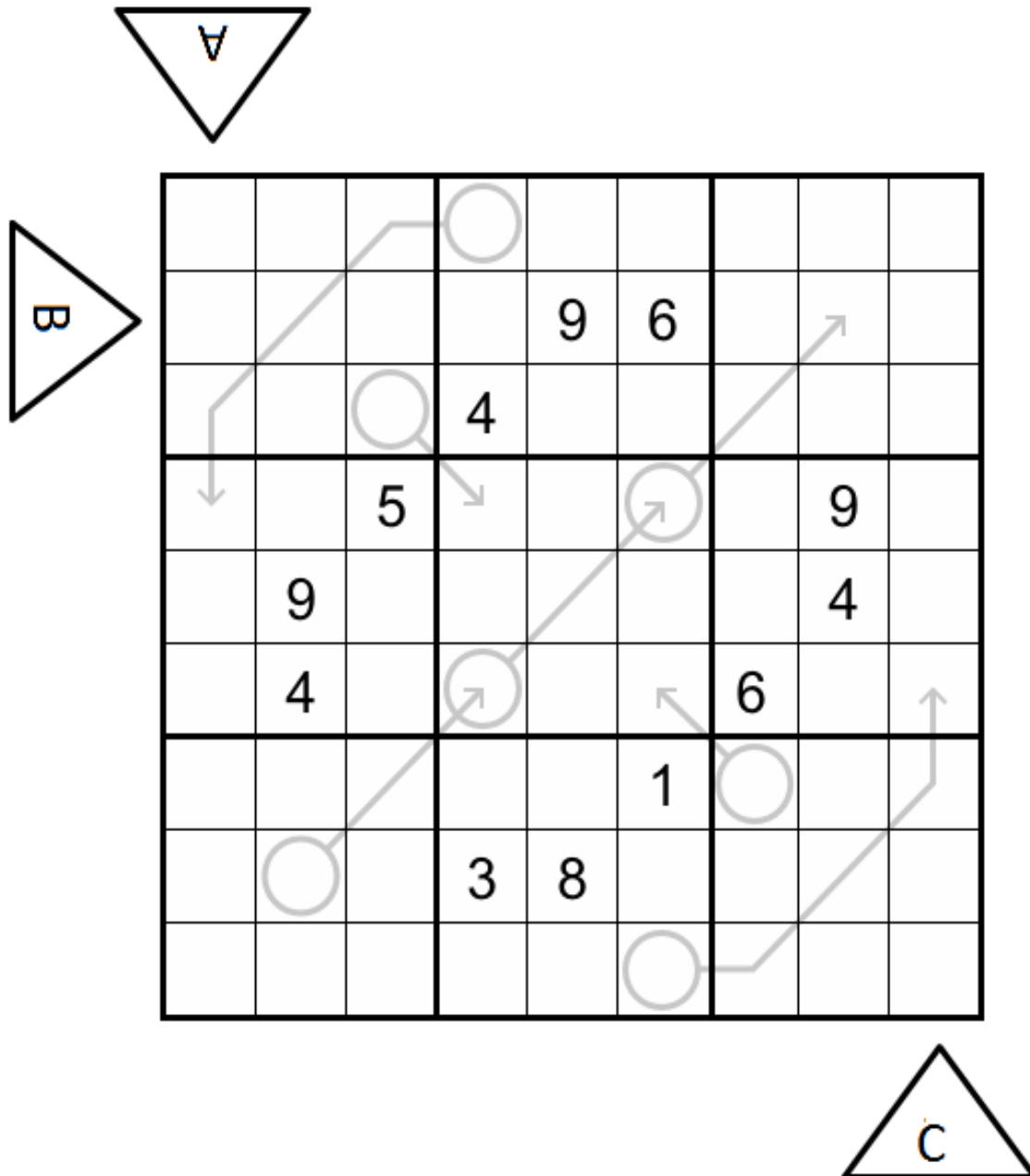


Sudoku fléché – Arrow sudoku

60 points

Each row, column and 3x3 region must contain the digits from 1 to 9.

A digit in a grey circle is equal to the sum of digits located on the corresponding line. Digits may repeat on a same line.

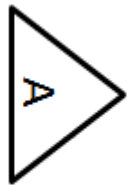


Surprise : Sudoku pair - Even sudoku

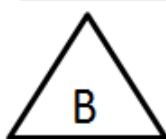
65 points

The puzzle is a classical sudoku in which every odd digit has been replaced by an even digit which is one unit superior or inferior. Moreover, the sum of digits in both main diagonals is given. Find the original solution of the puzzle. Behind the puzzle is given a 4x4 example grid which is worth no point.

36



6	2	4	4	6	6	8	8	2
6	8	2	8	4	2	6	4	4
4	6	8	8	2	6	4	6	2
4	10	8	6	2	4	4	2	6
2	4	6	4	6	8	2	6	8
2	8	6	2	8	4	6	4	8
8	2	8	6	6	4	8	2	4
8	4	4	2	8	2	6	6	6
6	6	2	6	4	8	2	8	4



56

12

0	2	4	2
2	4	2	2
2	2	0	4
4	2	2	2

8

12

1	2	4	3
3	4	2	1
2	3	1	4
4	1	3	2

8

Sudoku roi – untouch sudoku**40 points**

Each row, column and 3x3 region must contain the digits from 1 to 9.

Moreover, as for a chess king, a digit cannot be located in two cells which are adjacent by a side or a corner.

