

**Explanation Series Sudoku with relations.**

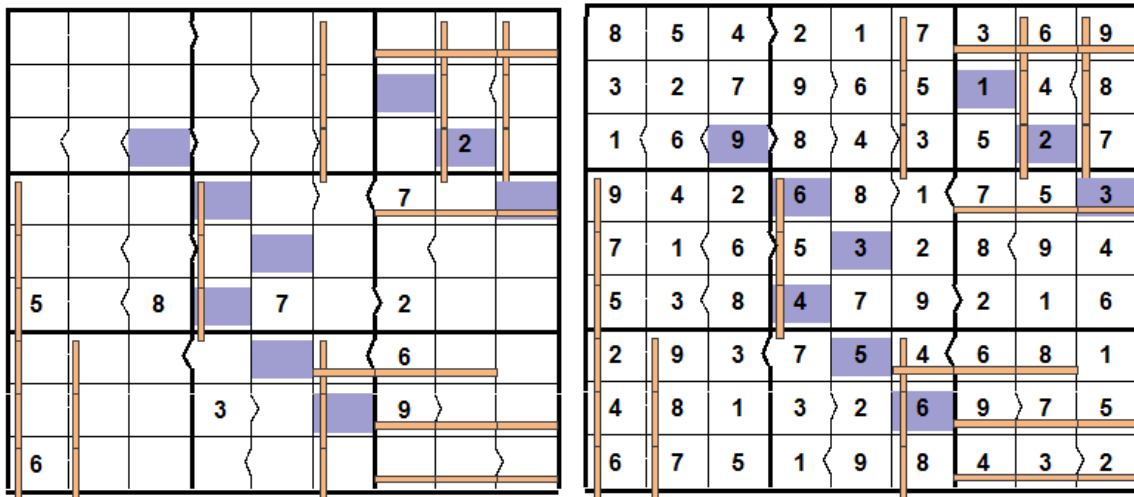
This Sudoku variant contains a number of series, always at three positions in the Sudoku. At these series the difference between the first and the Second and the Second and the third number is identical.

For example:

1 2 3 difference = 1

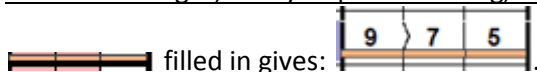
1 5 9 difference = 4

5 3 1 difference = -2

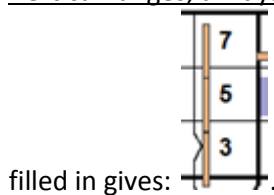


Moreover all normal Sudoku rules apply to these Sudoku variant.

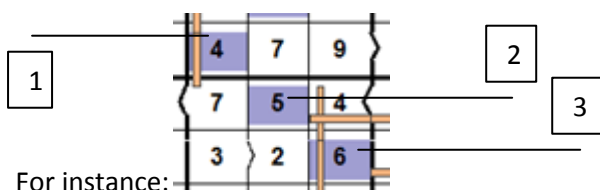
Horizontal ranges, always 3 positions long, are indicated with a horizontal beam (under the series):



Vertical ranges, always 3 positions long, are indicated with a horizontal beam (left of the series):



The diagonal ranges (always from left above to Right under and always 3 positions long) are indicated with a grey background color:



For instance: 1, 2 and 3 is the series (4-5-6).

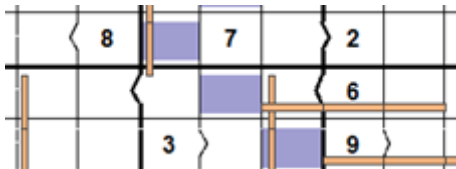
Totally these Sudoku contains 3 diagonal, 5 horizontal and 8 vertical series

**The possible series are:**

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

**Relations:**

Except series the Sudoku contains so called relations between the different horizontal positions in the Sudoku, for example:



- The position left of the 8 is smaller than 8     ... < 8
- The position right of the 3 is smaller than 3     3 > ...
- The position right of the 9 is smaller than 9     9 > ...
- The position left of the 2 is greater than 2     ... > 2
- Etcetera.

Good luck, these puzzles are not simple!!