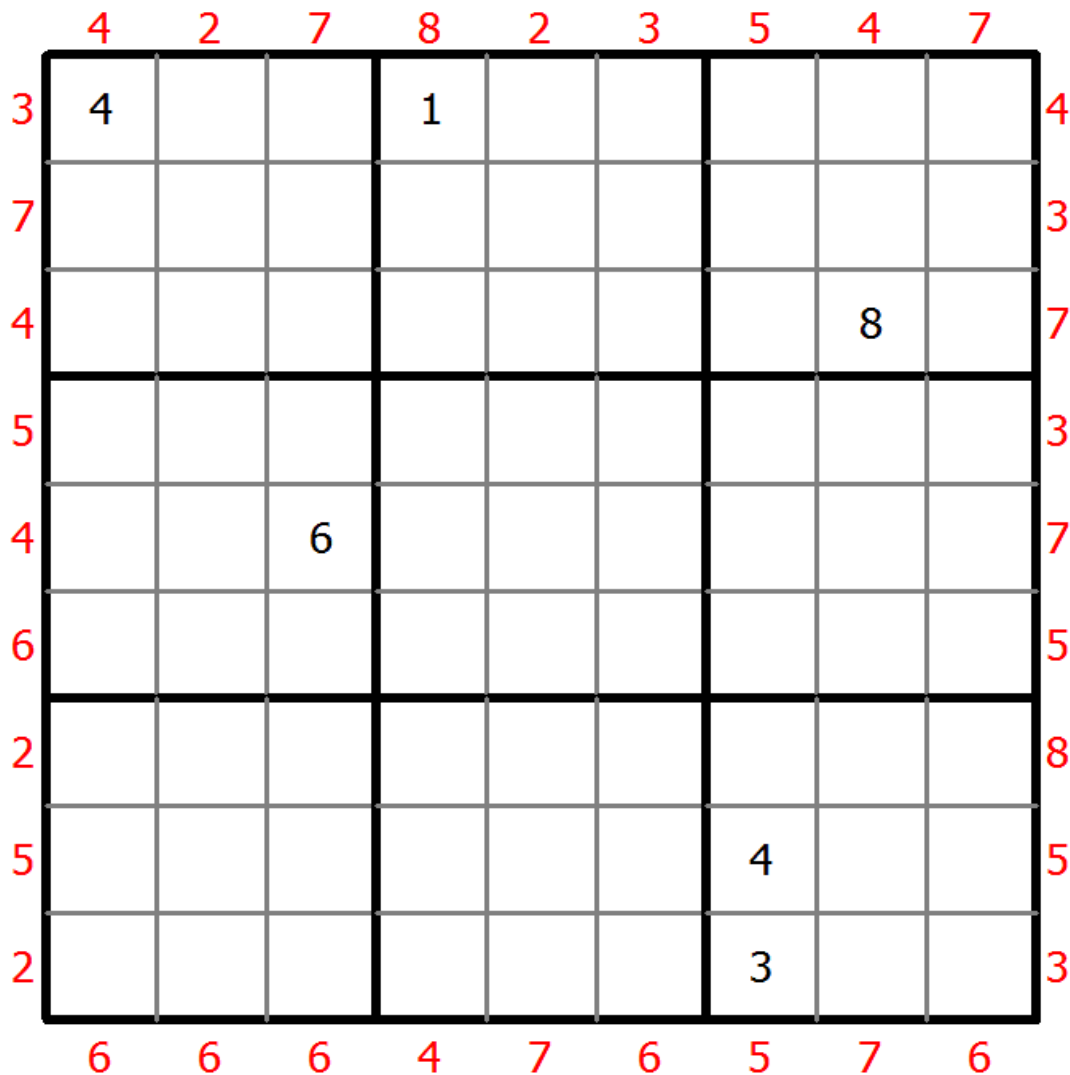# Maximin Sudoku

Place a digit from 1 to 9 into each of the empty squares so that each digit appears exactly once in each of the rows, columns and the nine outlined 3x3 regions.

A number at the edge of the diagram indicates the difference between the highest and the lowest number in the first three cells in the corresponding row or column.

(Solution)

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

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