

Exclude-Sudoku

Setze die Zahlen von 1 bis 9 in jedes leere Feld, sodass jede Zahl genau einmal in jeder Reihe, jeder Spalte und jedem 3x3-Bereich erscheint.

Die Zahl in den Kreisen an den Kreuzungspunkten von Reihen und Spalten gibt an, dass die 4 benachbarten Felder diese Zahl nicht enthalten dürfen.



(Lösung)

The grid contains the following visible numbers and constraints:

- Row 1: 9 (R1C1), 1 (R1C2), 1 (R1C3), 1 (R1C4), 4 (R1C5), 3 (R1C6), 4 (R1C7)
- Row 2: 2 (R2C2), 5 (R2C3), 3 (R2C4), 9 (R2C5), 8 (R2C6)
- Row 3: 7 (R3C1), 6 (R3C2), 9 (R3C3), 8 (R3C4)
- Row 4: 4 (R4C1), 2 (R4C2), 1 (R4C3), 1 (R4C4), 6 (R4C5), 2 (R4C6)
- Row 5: 5 (R5C1), 2 (R5C2), 1 (R5C3), 4 (R5C4), 7 (R5C5), 3 (R5C6)
- Row 6: 6 (R6C1), 4 (R6C2), 2 (R6C3), 1 (R6C4), 5 (R6C5), 8 (R6C6)
- Row 7: 9 (R7C1), 8 (R7C2), 7 (R7C3), 6 (R7C4), 2 (R7C5), 1 (R7C6)
- Row 8: 5 (R8C1), 2 (R8C2), 1 (R8C3), 4 (R8C4), 3 (R8C5), 6 (R8C6)
- Row 9: 8 (R9C1), 7 (R9C2), 6 (R9C3), 5 (R9C4), 4 (R9C5), 2 (R9C6)

Red numbers in circles at intersections indicate which numbers cannot appear in the four adjacent cells:

- (R1C1, R1C2) has 9 (red)
- (R1C2, R1C3) has 1 (red)
- (R1C3, R1C4) has 1 (red)
- (R1C4, R1C5) has 1 (red)
- (R1C5, R1C6) has 4 (red)
- (R1C6, R1C7) has 3 (red)
- (R2C1, R2C2) has 2 (red)
- (R2C2, R2C3) has 5 (red)
- (R2C3, R2C4) has 3 (red)
- (R2C4, R2C5) has 4 (red)
- (R2C5, R2C6) has 3 (red)
- (R3C1, R3C2) has 7 (red)
- (R3C2, R3C3) has 6 (red)
- (R3C3, R3C4) has 9 (red)
- (R3C4, R3C5) has 8 (red)
- (R4C1, R4C2) has 4 (red)
- (R4C2, R4C3) has 2 (red)
- (R4C3, R4C4) has 1 (red)
- (R4C4, R4C5) has 6 (red)
- (R4C5, R4C6) has 2 (red)
- (R5C1, R5C2) has 5 (red)
- (R5C2, R5C3) has 2 (red)
- (R5C3, R5C4) has 1 (red)
- (R5C4, R5C5) has 6 (red)
- (R5C5, R5C6) has 7 (red)
- (R6C1, R6C2) has 6 (red)
- (R6C2, R6C3) has 4 (red)
- (R6C3, R6C4) has 2 (red)
- (R6C4, R6C5) has 5 (red)
- (R6C5, R6C6) has 8 (red)
- (R7C1, R7C2) has 9 (red)
- (R7C2, R7C3) has 8 (red)
- (R7C3, R7C4) has 7 (red)
- (R7C4, R7C5) has 6 (red)
- (R7C5, R7C6) has 2 (red)
- (R8C1, R8C2) has 5 (red)
- (R8C2, R8C3) has 2 (red)
- (R8C3, R8C4) has 1 (red)
- (R8C4, R8C5) has 4 (red)
- (R8C5, R8C6) has 3 (red)
- (R9C1, R9C2) has 8 (red)
- (R9C2, R9C3) has 7 (red)
- (R9C3, R9C4) has 6 (red)
- (R9C4, R9C5) has 5 (red)
- (R9C5, R9C6) has 4 (red)

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