



A 9x9 Sudoku puzzle grid. The grid is divided into 3x3 sub-grids by thick black lines. The numbers already filled in the grid are:

- Row 1: (1,2)=5, (1,3)=8, (1,4)=2, (1,5)=1, (1,6)=3, (1,7)=9
- Row 2: (2,4)=4, (2,5)=5, (2,7)=1, (2,8)=6
- Row 3: (3,2)=3, (3,4)=9, (3,6)=7
- Row 4: (4,1)=3, (4,3)=7
- Row 5: (5,2)=1, (5,7)=6
- Row 6: (6,2)=9, (6,4)=3, (6,7)=7, (6,8)=5
- Row 7: (7,1)=7, (7,3)=5, (7,5)=2, (7,6)=4, (7,7)=1
- Row 8: (8,6)=6

Arrows indicate the following constraints:

- Row 1: Up arrow above (1,4), Down arrows above (1,5) and (1,6), Up arrow above (1,8)
- Row 2: Left arrow to (2,1), Left arrow to (2,3), Right arrow from (2,9)
- Row 4: Left arrow to (4,1), Left arrow to (4,9)
- Row 7: Left arrow to (7,1), Right arrow from (7,9), Left arrow to (7,9)
- Row 8: Left arrow to (8,1)
- Column 4: Up arrow to (4,4), Down arrows to (5,4) and (6,4), Up arrow to (8,4)