

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

(a) Puzzle

Solution →

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

(b) Solution

Sudoku Problem

Sudoku is a 9×9 grid divided into smaller 3×3 boxes (also called regions or blocks), as shown in Figure (a). Some cells, called *fixed cells*, are populated with numbers from 1 to 9. The objective is to fill the empty cells, also called *free cells*, with numbers 1 to 9 so that every row, every column, and every 3×3 box contains the numbers 1 to 9, as shown in