

Q2. Backtracking

Given the following initial state of the Sudoku game. Backtracking starts at the top left corner and proceeds searching in the right direction by filling squares with numbers from 1 to 9 in increasing order in the first row then second and so on from top to down.

Find: Make this process with backtracking for the first row. Stop when all squares on the first row are set. Copy all 9 numbers (comma-separated without spaces) as the answer.

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

ANSWER

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

Answer: 1,3,8,6,9,7,5,2,4