## horizontal line

**SUDOKU SOLVER**

# **Problem Statements :**

You are given an N\*N sudoku grid (N is a multiple of 3). Solve the sudoku and print the solution.

To learn more about sudoku, go to this link [Sudoku-Wikipedia](https://en.wikipedia.org/wiki/Sudoku).

# **Input Format :**

First line contains a single integer N. Next N lines contains N integers each, where *jth* integer int *ith* line denotes the value at *ith*row and *jth* column in sudoku grid. This value is 0, if the cell is empty.

# **Constraints :**

N=6 or N=9,  
Solution exists for input matrix.

# **Output Format :**

Print N lines containing N integers each, where integer int line denotes the value at row and column in sudoku grid, such that all cells are filled.

# **Sample Input :**

9  
5 3 0 0 7 0 0 0 0   
6 0 0 1 9 5 0 0 0   
0 9 8 0 0 0 0 6 0   
8 0 0 0 6 0 0 0 3   
4 0 0 8 0 3 0 0 1   
7 0 0 0 2 0 0 0 6   
0 6 0 0 0 0 2 8 0   
0 0 0 4 1 9 0 0 5   
0 0 0 0 8 0 0 7 9

# **Sample Output :**

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

**Explanation :**

# None