

# Solve Sudoku!

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Sudoku is a logic-based, combinatorial number-placement puzzle. The objective is to fill a 9×9 grid with digits so that each column, each row, and each of the nine 3×3 sub-grids that compose the grid contain all of the digits from 1 to 9.

You are given a partially completed grid, which always has a unique solution. Your task is to solve the given Sudoku puzzle.

## Input

- The input data should be read from the console.
- You will be given 9 lines with 9 symbols with numbers and dashes. The dashes represent empty cells.
- The input data will always be valid and in the format described. There is no need to check it explicitly.

## Output

- The output data should be printed on the console.
- You should print the solved Sudoku puzzle. See the examples bellow.

## Sample tests

### Input

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```
53--7----  
6--195---  
-98----6-  
8---6---3  
4--8-3--1  
7---2---6  
-6----28-  
---419--5  
----8--79
```

### Output

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534678912  
672195348  
198342567  
859761423  
426853791  
713924856  
961537284  
287419635  
345286179

## Input

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---2---63  
3----54-1  
--1--398-  
-----9-  
---538---  
-3-----  
-263--5--  
5-37----8  
47---1---

## Output

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854219763  
397865421  
261473985  
785126394  
649538172  
132947856  
926384517  
513792648  
478651239