## Sudoku

Input File: sudoku.txt

You are given a $9 x 9$ sudoku grid. The grid is almost completely solved. Your task is to find the remaining squares that are unsolved to finish the puzzle. To make it easier, there will be at most two empty squares in each of the smaller $3 \times 3$ grids.

## Input:

The first line contains an integer, which gives you how many numbers are missing. The following nine rows each contain nine numbers separated by a space. The numbers will be between 1 and 9 . Blank spaces will be marked with a '?'.

## Output:

Output the missing numbers in order of appearance (left to right, then top to bottom).

## Example Input:

## 11

29 ? 743861
4 ? 18659 ? 7
876192543
387459216
6123 ? 74 ? 5
? 492 ? 6738
? ? 3524189
928671 ? 54
15493 ? 672

## Example Output:

53289517638

