8 Queens

Problem 5 - 8 Queens (2%)

Description

The eight queens puzzle is the problem of placing eight chess queens on an 8×8 chessboard so that no two queens threaten each other; thus, a solution requires that no two queens share the same row, column, or diagonal.

In this problem, given the position (x,y) of a chess queen, you are asked to place the other seven queens.

Requirement: Please use recursion to solve this problem. All other methods will NOT pass TA's demo.

Input

The position (x,y) of a queen. (0,0) denotes the first row and the first column.

Output

Output the possible chessboard.

To represent the chessboard, # denotes empty and Q denotes the queen.

Each column should be separated by a whitespace and each chessboard should be separated by a newline.

Sample Input

0 0

Sample Output

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File name

{Student_ID}_5.cpp

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