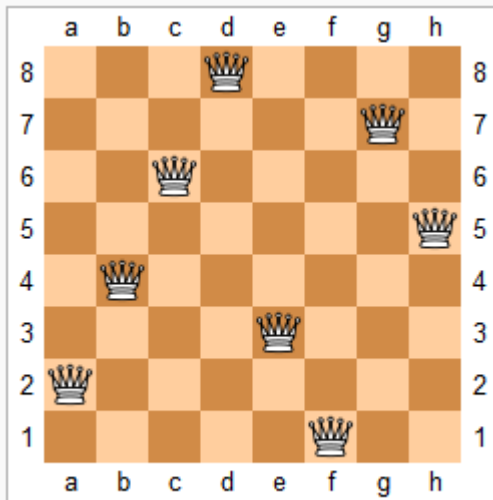


51. N-Queens

The n -queens puzzle is the problem of placing n queens on an $n \times n$ chessboard such that no two queens attack each other.



One solution to the eight queens puzzle

Given an integer n , return all distinct solutions to the n -queens puzzle.

Each solution contains a distinct board configuration of the n -queens' placement, where 'Q' and '.' both indicate a queen and an empty space respectively.

Example:

Input: 4

Output: [

[".Q..", // Solution 1

"...Q",

"Q...",

"..Q."],

["..Q.", // Solution 2

"Q...",

"...Q",

".Q.."]

]

Explanation: There exist two distinct solutions to the 4-queens puzzle as shown above.

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