## N-Queens Problem (Mini-project 2)

You are given with the two files. (Board.swift, QueensSolver.swift)
Your goal is to write a function solve8Queens(board: inout Board, col: Int)
that accepts a Board as a parameter and tries to place 8 queens on it safely.
(Feel free to modify the function prototype. You are allowed to create a function with different set of parameters)

Here are two tasks you need to accomplish from this mini-project.

1. Print all possible ways to place 8 queens on 8x8 chessboard.

It should look like this...

```
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[---Q--]
(... 92 possible ways)
```

 Print the first possible way to place 8 queens on the 8x8 board with less than 115 recursive calls. Stop immediately as soon as you find the first solution.

It should look like this... [Q - - - - - -] [- - - - - Q -] [---Q--][- - - - - Q] [-Q----] [---Q---][----Q--][- - Q - - - -] Number of recursive calls: 114 NOTE: (You can create a global variable to count the number of recursive calls being made.) var count = 0 func solve8Queens(board: inout Board, col: Int) -> Bool { count += 1 . . . } solve8Queens(...)

Reference Problem: <a href="https://leetcode.com/problems/n-queens/">https://leetcode.com/problems/n-queens/</a>

print(count)