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...

```
[0 - - - - - -]
[- - - - - Q -]
[- - - - Q - - -]
[- - - - - - 0]
[-Q----]
[---Q---]
[- - - - Q - -]
[- - 0 - - - -]
[Q - - - - - -]
[----Q-]
[---Q---]
[- - - - Q - -]
[----Q]
[- 0 - - - - -]
[---Q--]
[- - 0 - - - -]
[Q - - - - - -]
[- - - - Q - -]
[- - - - - - 0]
[--Q----]
[----Q-]
[- - - 0 - - - -]
[-Q----]
[---Q--]
(... 92 possible ways)
```

2. 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(...)
print(count)
```

Reference Problem: https://leetcode.com/problems/n-queens/