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# POAIExpi.py-C:/Users/weicome/appuata/Loca/Programs/Pyunon/Pyu
File Edit Format Run Options Window Help
import copy
N = 8
def printSolution(board):
    for row in board:
        for i in range(N):
            print("Q" if row[i] else ".", end=" ")
            print("Q" if row[i] else ".", end=" ")
print("Q" if row[i] else ".", end=" ")
print()
print()

def isSafe(board, row, col):
    for i in range(row):
        if board[i][col]:
            return False
    for i, j in zip(range(row - 1, -1, -1), range(col - 1, -1, -1)):
        if board[i][j]:
            return False
          return False

return False

return False

return True
def solve(board, row, solutions):
   if row == N:
                         solutions.append(copy.deepcopy(board))
                        printSolution(board)
printSolution(board)
return
for col in range(N):
    if isSafe(board, row, col):
        board[row][col] = 1
        solve(board, row + 1, solutions)
        board[row][col] = 0

def eightQueens():
    board = [[0 for _ in range(N)] for _ in range(N)]
    solutions = []
    solve(board, 0, solutions)
    print(f"Total solutions found: {len(solutions)}")
eightQueens()
eightQueens()
```

🌛 POAlexp1.py - C:/Users/welcome/AppData/Local/Programs/Python/Python311/POAlexp1.py (3.11.5)