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#Problem Statement: Implement N-
Queens Problem as Constraints Satisfaction Pro
blem.
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#Roll no:3363
def print board (board):
    for row in board:
        print(" ".join(row))
def is safe(board, row, col):
    for i in range(col):
        if board[row][i] == "O":
            return False
    for i, j in zip(range(row, -1, -
1), range(col, -1, -1)):
        if board[i][j] == "Q":
            return False
    for i, j in zip(range(row, len(board), 1),
 range(col, -1, -1):
        if board[i][j] == "Q":
           return False
    return True
def solve (board, col):
     if col >= len(board):
         return True
     for i in range(len(board)):
         if is safe (board, i, col):
             board[i][col] = "Q"
             if solve (board, col+1):
                 return True
             board[i][col] = "."
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n = int(input("Enter the number of Queens: "))
board = [["." for i in range(n)] for j in rang
e(n)]

if solve(board, 0):
    print_board(board)
else:
    print("Solution not fount")
```

OUTPUT:

return False