Write the Python Program to solve 8-Puzzle Problem.

Program:

```
def print_solution(board):
     for row in board:
print(" ".join("Q" if col else "." for col in row))
    print()
def is_safe(board, row, col, n):
     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]:
     for i, j in zip(range(row-1, -1, -1), range(col+1, n)):
    if board[i][j]:
              return False
    return True
def solve_n_queens(board, row, n):
    if row == n:
         print solution (board)
          return True
     for col in range(n):
         if is_safe(board, row, col, n):
    board[row][col] = 1
              if solve_n_queens(board, row + 1, n):
              board[row][col] = 0
     return False
board = [[0 for _ in range(n)] for _ in range(n)]
solve_n_queens(board, 0, n)
```

Output: