کد حل مسئله هشت وزیر :

def is\_safe(board, row, col, N):  
    for i in range(col):  
        if board[row][i] == 1:  
            return False  
    for i, j in zip(range(row, -1, -1), range(col, -1, -1)):  
        if board[i][j] == 1:  
            return False  
    for i, j in zip(range(row, N, 1), range(col, -1, -1)):  
        if board[i][j] == 1:  
            return False  
    return True  
  
def solve(board, col, N):  
    if col >= N:  
        return True  
    for i in range(N):  
        if is\_safe(board, i, col, N):  
            board[i][col] = 1  
            if solve(board, col + 1, N):  
                return True  
            board[i][col] = 0  
    return False  
  
def print\_solution(board):  
    for row in board:  
        print(row)  
  
N = 8  
board = [[0 for \_ in range(N)] for \_ in range(N)]  
  
if solve(board, 0, N):  
    print\_solution(board)  
else:  
    print("No solution found")