

```

N = 8
def is_safe(board, row, col):
    for i in range(row):
        if board[i] == col or abs(board[i]-col) == abs(i-row):
            return False
    return True
def solve(row, board, solutions):
    if row == N:
        solutions.append(board[:])
        return
    for col in range(N):
        if is_safe(board, row, col):
            board[row] = col
            solve(row+1, board, solutions)
solutions = []
solve(0, [-1]*N, solutions)
print("Number of solutions:", len(solutions))
print("One solution:")
for r in range(N):
    row = ["."]*N
    row[solutions[0][r]] = "Q"
    print(" ".join(row))

```

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Python 2.7.6 (default, Nov 10 2013, 19:24:24) [MSC v.1500 64 bit (AMD64)] on win32

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>>> ===== RESTART =====

>>>

('Number of solutions:', 92)

One solution:

```
Q . . . . .
. . . . Q . . .
. . . . . . . Q
. . . . . Q . .
. . Q . . . . .
. . . . . . Q .
. Q . . . . .
. . . Q . . . .
```

>>> |