

n-Queen Problem

Due: 12/1 23:59

Problem Description

Implement an algorithm that takes an integer n as input and determines the number of solutions to the n -Queen problem. You need to give the time complexity of your algorithm.

I/O Format

Use standard I/O. (stdin, stdout)

Input

For all of the test cases, $N \geq 8$.

Output

Output the number of solutions to the n -Queen problem.

Remember to output a newline character after the number.

Program Submission

1. Please use C/C++ and write your program in a single source file.
2. Your source file must be named as “<Student_ID>_bonus3.cpp” and please make sure that all characters of the filename are in lower case. For example, if your student id is 106062000, the name of your program file should be 106062000_bonus3.cpp

Grading Policy

- Test cases 100%