

## Problem 1: Fibonacci Sum

### Problem Statement:

You are given an integer  $n$  ( $1 \leq n \leq 30$ ). Calculate the sum of the first  $n$  Fibonacci numbers using recursion.

The Fibonacci sequence is defined as:

$F(1) = 1$ ,  $F(2) = 1$ ,  $F(k) = F(k-1) + F(k-2)$  for  $k > 2$ .

### Input:

The input consists of a single integer  $n$ .

### Output:

Print the sum of the first  $n$  Fibonacci numbers.

Examples:

Input:

5

Output:

12

Input:

10

Output:

143