Sum of first n Fibonacci numbers

A Fibonacci series is defined as follows

$$F_1 = 0; F_2 = 1;$$

$$F_n = F_{n-1} + F_{n-2}, n > 2$$

Given an input n, write a program to compute sum of first n Fibonacci numbers i.e., $\sum_{i=1}^{n} F_i$.

Input Format

The input contains a number n.

Constraints

$1 \leq n \leq 90$

Output Format

The first line of the input contain a numberThe output must contain a single line with a value equal to sum of first n Fibonacci numbers.

Sample Input 0

```
1
```

Sample Output 0

```
0
```

Sample Input 1

```
2
```

Sample Output 1

```
1
```