Question C — Fibonacci Numbers

A Fibonacci sequence is calculated by adding the previous two members of the sequence, with the first two members being both 1.

$$f(1) = 1, f(2) = 1, f(n > 2) = f(n-1) + f(n-2)$$

Your task is to take a number as input, and print that fibonacci number.

Sample Input:

100

Sample Output:

354224848179261915075

Note:

No generated fibonacci number in excess of 1000 digits will be in the test data, i.e. $f(20) = 6765$ has 4 digits.