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## 1208. Fibonacci Numbers

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Time Limit: 1.0 Seconds   Memory Limit: 65536K  
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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.

**Source:** *Waterloo Local Contest Oct. 5, 1996*

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