In mathematics, the Fibonacci numbers are the numbers of the [Fibonacci sequence](https://en.wikipedia.org/wiki/Fibonacci_number) that goes as follows: 1, 1, 2, 3, 5, 8,....

Your mission today is to calculate the nth non-negative integer that does **NOT** belong to the Fibonacci sequence.

Since the values can be quite big, both input and output are of type string.

**Example**

* remainFib("1") = "4".

It's clear from the list above the 1st element that does not belong to it is number 4.

* remainFib("2") = "6".

The 2nd element not in the sequence is 6.

**Input/Output**

* **[time limit] 4000ms (py)**
* **[input] string number**

*Constraints:*  
1 ≤ int(number) ≤ 252.

* **[output] string**

The result as a string.

<https://codefights.com/challenge/mudnXf6iHBHG7ukYw?utm_source=featuredChallenge&utm_medium=email&utm_campaign=email_notification>

<http://www.geeksforgeeks.org/nth-non-fibonacci-number/>

def **remainFib**(n):

prevPrev = 1

prev = 2

curr = 3

while n > 0:

prevPrev = prev;

prev = curr;

curr = prevPrev + prev;

n = n - (curr - prev - 1);

n = n + (curr - prev - 1);

return str(prev + n)