# Fibonaccibonacci (easy)

Leo would like to play with some really big numbers, OK ...

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Let FIB the Fibonacci function :

FIB(0)=0; FIB(1)=1

and

for N>=2 FIB(N) = FIB(N-1) + FIB(N-2)
```

Example : we have FIB(6)=8, and FIB(8)=21, so FIB(FIB(6))=21

#### Input

The input begins with the number T of test cases in a single line. In each of the next T lines there are an integer N.

### Output

For each test case, print FIB(FIB(N)), as the answer could not fit in a 64bit container, give your answer modulo 100000007.

## Example

Input: 3 0

0 5

6

Output:

0 5

21

## Constraints

1 <= T <= 10<sup>4</sup> 0 <= N <= 10<sup>100</sup>

Time limit is set to allow (sub-optimal) 500B of python3 code to get AC. A near optimal solution is within 0.02 and 0.04s with a fast language, and around 1s in Python2 without psyco.

Edit(20/I/2015) With Cube cluster, it is not hard to get 0.0s with fast languages, and my old code ended in 0.08s using PY3.4.