N$^{\text{th}}$ Fibonacci Number

Lab 5
Computer Programming
Due date: September 27, 2019, 11 PM

Problem Statement: Given T test cases and each test case has one integer inputs N, find the N$^{\text{th}}$ Fibonacci number mod 10^9+7.

Note: 0th fibonacci number is 0

1st fibonacci number is 1

Input

The first line of input is T denoting the number of test cases. The next T lines have one integer N.

Output

For each test case, output N$^{\text{th}}$ Fibonacci number modulo 10^9+7.

Constraints

$1 \leq T \leq 10^6$

$0 \leq N \leq 10^6$

Sample Test Case

Input	Output
5	0
0	1
1	5
5	144
12	858955650
12345	