## Arya and the exponacci

Arya is very fond of fibonacci numbers. He claimed he can solve any problem on fibonacci number. His clever friend golu gave him a challenge
to prove his skills.He gave him a sequence which he called exponacci. The sequence is given by
$\mathbf{g}(\mathrm{n})=\mathbf{2}^{\wedge} \mathbf{f}(\mathrm{n}-1)$ for $\mathrm{n}>0$
$g(0)=1$ for $n==0$
$f(n)$ denotes the nth fibonacci number where
$f(0)=1$
$f(1)=1$ (Obviously golu is not as good as arya in fibonacci numbers so he believes
$f(0)=1$, anyways we have chosen not to disturb him)
$f(n)=f(n-1)+f(n-2)$ for $n>1$
Help arya to find the nth exponacci number.Since the numbers can be very large take mod $10^{\wedge} 9+7$

## Input:

The first line of the input will be the number of test cases(T<=2000). For each test case first line contains one integers $\mathrm{n} 0<=\mathrm{n}<=1000000$

## Output:

The value of $g(n) \%\left(10^{\wedge} 9+7\right)$
Sample Cases :
Input:
2
3
5
Output:
4
32

