# Induction'17

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|---|---|
| Input file: | `standard input` |
| Output file: | `standard output` |
| Time limit: | 1 second |
| Memory limit: | 64 megabytes |

Induction'17 is going to start from Monday (24/07/17). Before giving the following problem to the new incoming students of our college, we thought of giving you a chance to solve it:
Given a function Induct(n) which is equal to sum of all the subsets of the set formed by first n natural numbers. For ex.- Induct(2)=1+2+1+2=6. Now, we defined another function Induction(n)=Induct(1)+Induct(2).....+Induct(n).
As the answer could be large print it modulo $10^9 + 7$.

## Input

The first line of the input contains $T(1 \leq T \leq 10^5)$ - number of test cases. Each of the next $T$ line contains an integer $n(1 \leq n \leq 10^9)$.

## Output

Print the value of Induction(n) for given n.

## Example

| standard input | standard output |
|---|---|
| 1<br>2 | 7 |

## Note

Induct(1) = 1, ({1})
Induct(2) = 6, ({1}+{2}+{1,2})
Induction(2) = 7