There is a sequence whose $n^{\text {th }}$ term is

$$
T_{n}=n^{2}-(n-1)^{2}
$$

Evaluate the series

$$
S_{n}=T_{1}+T_{2}+T_{3}+\cdots+T_{n}
$$

Find $S_{n} \bmod \left(10^{9}+7\right)$.
Example
$n=3$
The series is $1^{2}-0^{2}+2^{2}-1^{2}+3^{2}-2^{2}=1+3+5=9$.

## Function Description

Complete the summingSeries function in the editor below.
summingSeries has the following parameter(s):

- int $n$ : the inclusive limit of the range to sum


## Returns

- int: the sum of the sequence, modulo $\left(10^{9}+7\right)$


## Input Format

The first line of input contains $t$, the number of test cases.
Each test case consists of one line containing a single integer $n$.

## Constraints

- $1 \leq t \leq 10$
- $1 \leq n \leq 10^{16}$


## Sample Input 0

```
2
2
1
```


## Sample Output 0

## Explanation 0

Case 1: We have $4=1+3$
Case 2 : We have $1=1$

