

Problem F. Number of Dice Rolls for given sum

OS Linux

Given a standard 6-sided dice, find the number of ways to get a sum of N.

Input Format

First line of input contains T - number of test cases. Its followed by T lines, each line contains N - the desired sum.

Constraints

$1 \leq T \leq 100000$

$1 \leq N \leq 100000$

Output Format

For each test case, print the number of ways to get a sum of N, separated by newline. Since the answer can be very large, print answer % $1e9+7$.

Sample Input 0

```
5
3
11
7
5
500
```

Sample Output 0

```
4
976
63
16
765996555
```

Explanation 0

Test Case 1

You can get a sum of 3 in the ways:

(1,1,1), (1,2), (2,1), (3)