Project Euler #76: Counting summations

This problem is a programming version of Problem 76 from projecteuler.net

It is possible to write five as a sum in exactly six different ways:
$$\begin{align} &4 + 1 \\ &3 + 2 \\ &3 + 1 + 1 \\ &2 + 2 + 1 \\ &2 + 1 + 1 + 1 \\ &1 + 1 + 1 + 1 + 1\end{align}$$

How many different ways can N be written as a sum of at least two positive integers?

As answer can be large, print $\% (10^9 + 7)$

Input Format
First line of the input contains T, which is number of testcases.
Each testcase contains N.

Constraints
$1 \le T \le 100$
$2 \le N \le 1000$

Output Format
Print the output corresponding to each testcase on a new line.

Sample Input

```
2
5
6
```

Sample Output

```
6
10
```