# Project Euler \#78: Coin partitions 

This problem is a programming version of Problem 78 from projecteuler.net
Let $p(n)$ represent the number of different ways in which $n$ coins can be separated into piles. For example, five coins can separated into piles in exactly seven different ways, so $p(5)=7$.

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How many different ways can $N$ coins be separated into piles?
As answer can be large, print $\%\left(10^{9}+7\right)$

## Input Format

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

## Constraints

$1 \leq T \leq 1002 \leq N \leq 6 \times 10^{4}$

## Output Format

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

## Sample Input

2
5
5
6

## Sample Output

11

