

# Split the number

Given a natural number  $n$ , in how many ways can you split the number into sum of two or more natural numbers ? For eg, 4 can be splitted in 4 ways :

$$1 + 1 + 1 + 1$$

$$1 + 2 + 1$$

$$2 + 2$$

$$1 + 3$$

## Input

First line consists of  $t$ , the number of test cases.

Each of the  $t$  lines consists of  $n$  ( $1 \leq n \leq 1000$ )

## Output

Output  $t$  lines each containing the corresponding number of ways the number can be splitted. Since this answer can be large, print the answer modulo 1000000007.

## Example

**Input:**

2

3

4

**Output:**

2

4