# Dice

| | |
|---|---|
| Input file: | `standard input` |
| Output file: | `standard output` |
| Time limit: | 1 second |
| Memory limit: | 256 megabytes |

Dillion and Yu Bin are playing a game together. Dillion picks an integer $m$, then challenges Yu Bin to roll two die with infinitely many faces, with each face corresponding to a positive integer.

Yu Bin then moves $n$ spaces forward, where $n$ is equal to the sum of the values on both dice. Yu Bin moving forward by $n$ spaces counts as 1 action, and he can no longer roll the die to change the value of $n$. If Yu Bin can move a total number of spaces equal to the product of the two values on both dice in exactly $m$ actions, he wins.

How many combinations of dice rolls can Yu Bin win for some $m$? As this number can be very large, output the number of combinations modulo 1000000007.

Since the two die are identical, the order of the numbers on the die do not matter. That is, $(1, 15)$ and $(15, 1)$ count as 1 combination of dice rolls.

Of course, since playing this game once is boring, Dillion and Yu Bin have decided to play this game a total of $Q$ times.

## Input

Your program must read from standard input.

The first line of input will contain a positive integer, $Q$, which is the number of games played by Dillion and Yu Bin ($1 \leq Q \leq 10^6$).

The second line of input contains $Q$ integers, representing the number $m$ for each round of game played ($1 \leq m \leq 10^7$).

## Output

For each game played, output an integer separated by a newline, the number of combinations of dice rolls that Yu Bin can win for the corresponding $m$ given.

## Examples

| standard input | standard output |
|---|---|
| 1<br>4 | 3 |
| 5<br>10 20 30 40 50 | 5<br>8<br>14<br>11<br>8 |

## Note

Explanation for Sample Testcase 1:

When $m = 4$, there are 3 possible ways that Yu Bin can win.

- Yu Bin rolls a $5, 20$. He can use 4 moves of 25 spaces to reach a total of 100 spaces.
- Yu Bin rolls a $6, 12$. He can use 4 moves of 18 spaces to reach a total of 72 spaces.
- Yu Bin rolls an $8, 8$. He can use 4 moves of 16 spaces to reach a total of 64 spaces.