

# Count Ways 1

Count the number of ways that you can reach a given distance of D meters using only jumps of length one or two meters.

## Input Format

On the first row you will receive an integer value N, that represents the number of the test samples. On the following rows you will get an integer values representing a distances  $D_i$  that you have to cover - one per row.

## Constraints

$1 \leq N \leq 10000$   $1 \leq i \leq N$   $1 \leq D_i \leq 45$

## Output Format

For the corresponding distance from the input file you have to print the number of ways that you can cover this distance with jumps of only one or two meters.

## Sample Input 0

```
3
1
3
5
```

## Sample Output 0

```
1
3
8
```