

A person is getting ready to leave and needs a pair of matching socks. If there are n colors of socks in the drawer, how many socks need to be removed to be certain of having a matching pair?

Example $n = 2$

There are **2** colors of socks in the drawer. If they remove **2** socks, they may not match. The minimum number to insure success is **3**.

Function Description

Complete the *maximumDraws* function in the editor below.

maximumDraws has the following parameter:

- *int n*: the number of colors of socks

Returns

- *int*: the minimum number of socks to remove to guarantee a matching pair.

Input Format

The first line contains the number of test cases, t .
Each of the following t lines contains an integer n .

Constraints

$$1 \leq t \leq 1000$$
$$0 < n < 10^6$$

Sample Input

```
2
1
2
```

Sample Output

```
2
3
```

Explanation

Case 1 : Only 1 color of sock is in the drawer. Any **2** will match.
Case 2 : 2 colors of socks are in the drawer. The first two removed may not match. At least **3** socks need to be removed to guarantee success.