

- Description
- My Submissions
- Hints/Editorial
- AC Submissions
- My Notes (0)

# Prime Check AZ101

? Ask Doubt

Time-Limit: 1 sec

Score: 100.00/100

Difficulty :

Memory: 256 MB

Accepted Submissions: 100

## Description

You are given an integer N. You have to tell whether the number is prime or not.

## Input Format

The first line of the input contains one integer T - the number of test cases. Then T test cases follow.

The first line of each test case contains one integer N.

## Output Format

For each test case, print “YES” if the number is prime and “NO” if the number is not prime.

## Constraints

$1 \leq T \leq 100$

$1 \leq N \leq 10^7$

## Sample Input 1

Copy

```
3
5
12
37
```

## Sample Output 1

Copy

```
YES
NO
YES
```

## Note

For the first test case, divisors of 5 are 1 and 5, so it is a prime number.

For the second test case, divisors of 12 are 1, 2, 3, 4, 6 and 12, so it is not a prime number.

C++14[GCC] ▾



Submit

1