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Number of Divisors 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 find the number of divisors of N.

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 the number of divisors of N.

Constraints

$1 \le T \le 1000$

$1 \le N \le 10^7$

Sample Input 1

Copy

```
3
12
5
9
```

Sample Output 1

Copy

```
6
2
3
```

Note

For the first test case, the divisors of 12 are: 1, 2, 3, 4, 6, 12.

For the second test case, the divisors of 5 are: 1, 5.

C++14[GCC]

Submit

```
1
```

Typesetting math: 100%