3274 - How Many Primes Divide the Number

Description

Given a positive integer number N, could you find how many prime numbers divide the number N such that they are between 2 and N inclusive?

Input specification

The first line contain a positive integer number T no greater than 100, representing the amount of test cases. Each of the following T lines contains a positive integer number N no greater than 1000.

Output specification

For each case you must output a line with a integer number representing the amount of prime numbers that divide the number N such that they are between 2 and N inclusive.

Sample input

```
5
3
6
30
128
221
```

Sample output

```
1
2
3
1
2
```

Hint(s)