1710 - Boring Class

Description

During the math class Mirko and Slakvo were talking about solving problems where it was necessary to find out wether a number was prime or not, when suddenly the teacher asked the students to solve the following task, given a number **N**, how many prime numbers are divisors of **N**? Now Mirko and Slakvo need your help. Please help them to solve this hard problem.

Input specification

The first line contains a number **t** indicating the number of test cases **t** <= 10^3, then **t** lines follow, each one containing a number 2 <= **N** <= 10^9.

Output specification

t lines containing the requested number.

Sample input

```
2
4
10
```

Sample output

```
1
2
```

Hint(s)

Source	José Luis Castrillón Garrido
Added by	**ymondelo20**
Addition date	2012-02-29
Time limit (ms)	1000

Test limit (ms)	1000
Memory limit (kb)	130000
Output limit (mb)	64
Size limit (bytes)	30000
Enabled languages	Bash C C# C++ Java Pascal Perl PHP Python Ruby Text