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Lost World Of Solitaire

Max. Marks: 30

PROBLEM   EDITORIAL   MY SUBMISSIONS

Neville found a magical deck of cards numbered from **2 to 1,00,000**. Neville will pick up a card and he has to tell the **number of ways** he can make that number printed on card by using their prime factors else he will die. He doesn't know how to find this. Being Neville's friend you have to help her in finding out number of permutations.

Input Format

First line of the input consists of an integer **T** (no. of testcases).
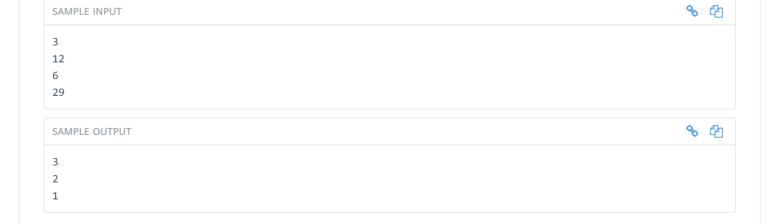Each testcase contains a single integer **N**.

Constraints

1 <= T <= 100000
1 < N <= 100000

Output Format

Print a single integer (number of ways she can make a number by their prime factors) for each testcase.

SAMPLE INPUT
3
12
6
29

SAMPLE OUTPUT
3
2
1

Explanation

For first testcase, N=12; prime factors=2,2,3
No of ways:
1. 2*2*3

2. 2*3*2
3. 3*2*2
Hence, 3 ways are possible

Time Limit:	5.0 sec(s) for each input file.
Memory Limit:	256 MB
Source Limit:	1024 KB
Marking Scheme:	Marks are awarded if any testcase passes.
Allowed Languages:	Bash, C, C++, C++14, Clojure, C#, D, Erlang, F#, Go, Groovy, Haskell, Java, Java 8, JavaScript(Rhino), JavaScript(Node.js), Julia, Kotlin, Lisp, Lisp (SBCL), Lua, Objective-C, OCaml, Octave, Pascal, Perl, PHP, Python, Python 3, R(RScript), Racket, Ruby, Rust, Scala, Swift, Swift-4.1, Visual Basic

CODE EDITOR

Enter your code or Upload your code as file.   Save   Bash (GNU bash, version 4.3 ▼)

```
1   # Sample bash code
2
```
1:1

▼ Provide custom input

[COMPILE & TEST]   [SUBMIT]

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