

Find Digits

Problem Statement

You are given a number N , you need to print the number of positions where digits exactly divides N .

Input format

The first line contains T (number of test cases followed by T lines each containing N).

Constraints

$1 \leq T \leq 15$

$0 < N < 10^{10}$

Output Format

Number of positions in N where digits in that number exactly divides the number N .

Input

```
1
12
```

Output

```
2
```

Explanation

2 digits in the number 12 divide the number exactly. Digits at ten's place, 1 , divides 12 exactly in 12 parts, and digit at one's place, 2 divides 12 equally in 6 parts.

This challenge was a part of [Pragyan 12](#)