

## Count Digits

Given a number N. You need to write a program to count the number of digits in N which evenly divides N.

### Input:

First line of input contains an integer T which denotes the number of test cases. T test cases follows. First line of each test case contains a single integer N.

### Output:

For each test case in a new line print the total number of digits of N which evenly divides N.

### Constraints:

$$1 \leq T \leq 200$$

$$1 \leq N \leq 10^5$$

### Example:

#### Input:

3

12

1012

23

#### Output:

2

3

0