Problem statement Send feedback

You are given a number ***'n'***.

Find the number of digits of 'n' that evenly divide 'n'.

Note:

A digit evenly divides 'n' if it leaves no remainder when dividing 'n'.

Example:

Input: 'n' = 336

Output: 3

Explanation:
336 is divisible by both '3' and '6'. Since '3' occurs twice it is counted two times.

Note:

You don't need to print anything. Just implement the given function.

Detailed explanation (Input/output format, Notes, Images)

Sample Input 1:

35

Sample Output 1:

1

Explanation of sample output 1:

35 is only divisible by '5', hence answer is 1.

Sample Input 2:

373

Sample Output 2:

0

Explanation of sample output 2:

There's no digit in 373 that evenly divides it. Hence the output is 0.

Expected Time Complexity:

Try to solve this in O(log(n))

Constraints:

1 <= ‘n’ <= 10^9

Time Limit: 1 sec