

Hiding the Card Number

Your task is to write a program that takes a string and returns the number of alphanumeric characters that occur more than once.

Notes

Duplicate characters are case sensitive.

The input string will contain only alphanumeric characters.

Input

The first line of input contains the string S.

Output

The first line contains the number of alphanumeric characters that occur more than once.

Sample input

Sample output

Abcde	0
Ada	2
Aa	0