Problem B
Broken Keyboard

Time Limit: 2 seconds

You have a keyboard with 25 keys. Initially, key i ($1 \leq i \leq 25$) is mapped to the i-th lowercase English letter, i.e., key 1 to 'a', key 2 to 'b', ..., and key 25 to 'y'. You also have an empty string T.

You can perform the following two operations any number of times, in any order:

1. Choose an integer i ($1 \leq i \leq 25$) and a lowercase English letter c, and change the mapping of key i to c. This operation costs 1.
2. Choose an integer i ($1 \leq i \leq 25$), and append the letter currently mapped to key i to the end of T. This operation costs 0.

You are given a string S consisting of lowercase English letters. Find the minimum total cost required to make T equal to S.

Input

The input consists of a single test case in the following format.

S

The only line contains a string S consisting of lowercase English letters. The length of S is between 1 and 500 000, inclusive.

Output

Print the minimum total cost as an integer.

Sample Input 1	**Sample Output 1**
meatthezoo	1

Sample Input 2	**Sample Output 2**
zxcvbnmqwertyuiopasdfghjklzxcvbnm	2