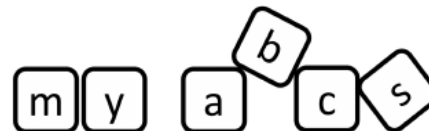


## 7953 Alphabet

A string of lowercase letters is called alphabetical if deleting zero or more of its letters can result in the alphabet string “abcdefghijklmnopqrstuvwxyz”.

Given a string  $s$ , determine the minimum number of letters to insert anywhere in the string to make it alphabetical.



### Input

The input file contains several test cases, each of them consists of a single line containing a string  $s$  ( $1 \leq |s| \leq 50$ ).

It is guaranteed that  $s$  consists of lowercase ASCII letters ‘a’ to ‘z’ only.

### Output

For each test case, print, on a single line, a single integer indicating the minimum number of letters that must be inserted in order to make the string  $s$  alphabetical.

### Sample Input

```
abcdefghijklmnopqrstuvwxyz  
aiemckgobjfndlhp
```

### Sample Output

```
3  
20
```