【Problem Description】

Input a line of string consisting of only lowercase English letters (a-z), where characters may be repeated, and the length of the string does not exceed 10000 characters.

From this string, select a certain number of characters in order (not necessarily adjacent) to form a new string, called a "sub-sequence." If every two adjacent characters in the sub-sequence string are either equal or the later character is greater than the previous one, it is called an "ascending subsequence." Write a program to find the length of the longest ascending sub-sequence string in the input string.

For example, for the input string "abdbch," the ascending sub-sequences that can be formed are: "abd," "abch," "bbch," "abbch," and so on. Among them, the longest ascending sub-sequence string is "abbch," with a length of 5.

【Input Format】

Read a line of string from console. The string should not contain any spaces and must end with a newline character.

【Output Format】

Print a positive integer to console, which is the length of the longest ascending sub-sequence string. End the line with a newline character.

【Sample Input】

```
abdbch
```

【Sample Output】

```
5
```

【Explanation】

In the input string "abdbch", the longest ascending sub-sequence string is "abbch", with a length of 5.

提交源文件 选择文件 未选择任何文件 提 交

注意: 只能用 PYTHON 语言编写程序。 如果有多个源文件，压缩成 `rar 或者 zip` 包提交。如果用Python多源文件，包内必须包含`__main__.py`文件。

运行结果

下载源文件

最后一次提交时间:2023-07-06 15:45:30

共有测试数据:5
平均占用内存:7.794K　平均CPU时间:0.12635S　平均墙钟时间:0.12668S

测试数据	评判结果
测试数据1	完全正确
测试数据2	完全正确
测试数据3	完全正确
测试数据4	完全正确
测试数据5	完全正确

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