## Junior Division - String Stats

考号/Exam Code:_____    姓名/Name:_____    学校/School:_____

**PROBLEM:** Given a sentence (up to 1024 characters long), output the following:

1) The number of different letters. This will be a number from 1 to 26, inclusive.
2) The number of vowels. Vowels are the letters a, e, i, o, and u.
3) The number of uppercase letters.
4) The number of times that the most frequent letter appears. There is no distinction between lowercase and uppercase letters.
5) The longest word in the sentence. If there is a tie, print the one that appears first when sorting these words alphabetically without regard to lowercase and uppercase.

**INPUT:** One line of data, containing a sentence, up to 1024 characters long.

**OUTPUT:** Print the five statistics specified above in that order.

**SAMPLE INPUT**

The quick brown fox, named Roxanne, jumped over Bruno, a lazy dog.

**SAMPLE OUTPUT**
1. 25
2. 19
3. 3
4. 6
5. Roxanne

**TEST INPUT**

The 2019 All-Star Competition is at Wayne Hills HS in Wayne, New Jersey.

考号/Exam Code:_____    姓名/Name:_____    学校/School:_____

**PROBLEM（问题）：** 给定一个句子（最长 1024 个字符），输出以下内容：

1）不同字母的数量。这将是一个 1 到 26 之间的数字，包括 1 和 26。

2）元音的数目。元音是字母 a、e、i、o 和 u。

3）大写字母的数目。

4）出现最频繁字母的次数。小写字母和大写字母之间没有区别。

5）句子中最长的单词。如果出现多个最长的单词，则按字母顺序排列这些单词，并输出排在最前面的那个单词，不考虑小写和大写。

**INPUT（输入）：** 一行数据，包含一个句子，最长为 1024 个字符。

**OUTPUT（输出）：** 按顺序打印上面指定的五个统计数据。

**SAMPLE INPUT（示例输入）**

```
The quick brown fox, named Roxanne, jumped over Bruno, a lazy
dog.
```

**SAMPLE OUTPUT（示例输出）：**

1. 25
2. 19
3. 3
4. 6
5. Roxanne

**TEST INPUT**

```
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