
Junior Division - String Stats

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 <http://www.datafiles.acsl.org/2019/contest2/jr-sample-input.txt>

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

SAMPLE OUTPUT

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