CODEFORCES β
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HOME   CONTESTS   GYM   **PROBLEMSET**   GROUPS   RATING   API   VK CUP 🏆

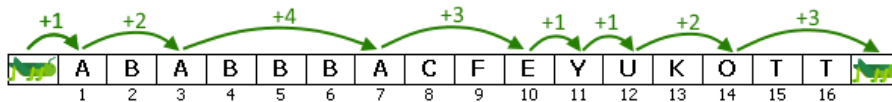PROBLEMS   SUBMIT   STATUS   STANDINGS   CUSTOM TEST

A. Grasshopper And the String

time limit per test: 1 second
memory limit per test: 256 megabytes
input: standard input
output: standard output

One day, the Grasshopper was jumping on the lawn and found a piece of paper with a string. Grasshopper became interested what is the minimum *jump ability* he should have in order to be able to reach the far end of the string, jumping only on vowels of the English alphabet. *Jump ability* is the maximum possible length of his jump.

Formally, consider that at the begginning the Grasshopper is located directly in front of the leftmost character of the string. His goal is to reach the position right after the rightmost character of the string. In one jump the Grasshopper could jump to the right any distance from 1 to the value of his *jump ability*.

The picture corresponds to the first example.

The following letters are vowels: 'A', 'E', 'I', 'O', 'U' and 'Y'.

Input

The first line contains non-empty string consisting of capital English letters. It is guaranteed that the length of the string does not exceed 100.

Output

Print single integer a — the minimum *jump ability* of the Grasshopper (in the number of symbols) that is needed to overcome the given string, jumping only on vowels.

Examples

input
ABABBBACFEYUKOTT
output
4

input
AAA
output
1

Codeforces Round #378 (Div. 2)

Finished

Practice

⭐

→ Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ACM-ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

[Start virtual contest]

→ Submit?

Language: [Microsoft Visual C++ 2010 ▼]
Choose file: [Choose File] No file chosen

Be careful: there is 50 points penalty for submission which fails the pretests or resubmission (except failure on the first test, denial of judgement or similar verdicts). "Passed pretests" submission verdict doesn't guarantee that the solution is absolutely correct and it will pass system tests.

[Submit]

→ Problem tags

implementation

No tag edit access

→ Contest materials

- Announcement ✖
- Tutorial ✖