# Problem H. Dobra

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|---|---|
| **Time Limit** | 1000 ms |
| **Mem Limit** | 1048576 kB |
| **OS** | Linux |

Lea runs into a lot of words in her life. A lot of them she finds unpleasant. To compensate for that she started making up pleasant words. Lea makes up new words by writing a nice looking string of characters on a piece of paper. She than erases a few of the most nasty looking characters and replaces them with underscores '_'. After that she tries to replace the underscores with more acceptable characters trying to form a pleasant word.

Lea considers words pleasant if they do not contain 3 sequential vowels, 3 sequential consonants and contain at least one letter 'L'.

In Croatian, the vowels are the letters A, E, I, O, and U only. All other letters are consonants.

## Input

The first and only line of input contains a string of characters, at most 100. The string contains only of uppercase English letters and '_' characters. There will be at most 10 '_' characters.

## Output

The first and only line of output should contain a single integer – the total number of pleasant words that can be formed by substituting underscores with uppercase letters of the English alphabet.

## Sample 1

| Input | Output |
|---|---|
| L_V | 5 |

## Sample 2

| Input | Output |
|---|---|
| V__K | 10 |

## Sample 3

| Input | Output |
| --- | --- |
| JA_BU_K_A | 485 |