

Alice wrote a sequence of words in **CamelCase** as a string of letters, s , having the following properties:

- It is a concatenation of one or more *words* consisting of English letters.
- All letters in the first word are *lowercase*.
- For each of the subsequent words, the first letter is *uppercase* and rest of the letters are *lowercase*.

Given s , print the number of words in s on a new line.

Input Format

A single line containing string s .

Constraints

- $1 \leq |s| \leq 10^5$

Output Format

Print the number of words in string s .

Sample Input

```
saveChangesInTheEditor
```

Sample Output

```
5
```

Explanation

String s contains five words:

1. save
2. Changes
3. In
4. The
5. Editor

Thus, we print **5** on a new line.

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