STOP   X86120_en

The input for this problem is a sequence of strings. Some of the strings are just the string "STOP". In fact, the input represents a sequence of sentences, and each STOP marks the end of each sentence. You have to write a program that prints the number of words of every sentence (excluding the word STOP in the counting, since it is just marking the end of the sentence). For example, with the following input:

```
UNCLE TOM PASSED AWAY YESTERDAY STOP FUNERAL TOMORROW
AT NINE AM STOP STOP
SAINT JOHNS CHURCH STOP
```

the program should give the following output:

```
5
5
0
3
```

Your program can only include `iostream` and `string`, and no other library can be used. Your program can read each word of the input into a variable of string type, and compare strings with equality, but your program must not store the whole input text by any means and must not define nor use functions or procedures other than those defined in the `iostream` and `string` libraries. Failure to satisfy these requirements will invalidate (final score = 0) your program.

Exam score: 2.5 **Automatic part:** 100%

Input

The input is a sequence of strings, each string is a word consisting of only uppercase Latin letters. There is at least one occurrence of the word STOP. In fact, the last word of the input is STOP.

Output

For each sentence in the text, the program writes in a different line the length (number of words) of the sentence. The word STOP that marks the end of each sentence must not be counted as part of the sentence.

Sample input 1

```
UNCLE TOM PASSED AWAY YESTERDAY STOP FUNERAL TOMORROW AT NINE AM STOP
SAINT JOHNS CHURCH STOP
```

Sample output 1

```
5
5
3
```

Sample input 2

```
TEXT COMBINES EMPTY AND NONEMPTY SENTENCES STOP STOP SECOND AND FOURTH SENTENCES EMPTY STOP STOP
```

Sample output 2

```
6
0
5
0
```

Sample input 3

```
STOP STOP STOP STOP STOP STOP
STOP STOP
```

Sample output 3

```
0
0
0
0
0
0
0
0
```

Sample input 4

```
SSTOP STOPP SSTOPP STOP
```

Sample output 4

```
3
```

Problem information

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