Name Scraping

Description

The NSA is analyzing their data and looking for possible names.

A name starts with an uppercase letter and is followed by zero or more letters (of any case). For example, Ben, McKay, and T are names; ben, mcKay, and T_ are not names.

Given an sequence of characters, how many names are there?

For example, Ben_aT8McK has eight names:

1. B
2. M
3. K
4. T
5. Be
6. Mc
7. Ben
8. McK

Input

A non-empty sequence of up to 30,000 characters. All characters are ASCII letters, numbers, or underscores.

Output

The number of names. Include any duplicates in your count.

Input	Input	Input	Input
Ben_McK8aT	correct_horse_battery_staple	ABCDEFGHIKLMNOPQRSTUVWXYZ	LL1
Output	**Output**	**Output**	**Output**
8	0	325	3