A. Text Volume

You are given a text of single-space separated words, consisting of small and capital Latin letters.

Volume of the word is number of capital letters in the word. *Volume* of the text is maximum *volume* of all words in the text.

Calculate the *volume* of the given text.

Input

The first line contains one integer number n $(1 \leq n \leq 200)$ — length of the text.

The second line contains text of single-space separated words $s_1, s_2, ..., s_i$, consisting only of small and capital Latin letters.

Output

Print one integer number — *volume* of text.

Examples

input
7 NonZERO
output
5

input
24 this is zero answer text
output
0

input
24 Harbour Space University
output
1

Note

In the first example there is only one word, there are 5 capital letters in it.

In the second example all of the words contain 0 capital letters.