

B. Polycarp and Letters

time limit per test: 2 seconds
memory limit per test: 256 megabytes
input: standard input
output: standard output

Polycarp loves lowercase letters and dislikes uppercase ones. Once he got a string s consisting only of lowercase and uppercase Latin letters.

Let A be a set of positions in the string. Let's call it *pretty* if following conditions are met:

- letters on positions from A in the string are all distinct and lowercase;
- there are no uppercase letters in the string which are situated between positions from A (i.e. there is no such j that $s[j]$ is an uppercase letter, and $a_1 < j < a_2$ for some a_1 and a_2 from A).

Write a program that will determine the maximum number of elements in a *pretty* set of positions.

Input

The first line contains a single integer n ($1 \leq n \leq 200$) — length of string s .

The second line contains a string s consisting of lowercase and uppercase Latin letters.

Output

Print maximum number of elements in *pretty* set of positions for string s .

Examples

input
11 aaaaBaabAbA
output
2
input
12 zACaAbbaazzC
output
3
input
3 ABC
output
0

Note

In the first example the desired positions might be 6 and 8 or 7 and 8. Positions 6 and 7 contain letters 'a', position 8 contains letter 'b'. The pair of positions 1 and 8 is not suitable because there is an uppercase letter 'B' between these position.

In the second example desired positions can be 7, 8 and 11. There are other ways to choose *pretty* set consisting of three elements.

In the third example the given string s does not contain any lowercase letters, so the answer is 0.