

## Problem Description

The input is a string of letters, for example,

BbBTTttTUuuUUUkk

Find the length of the longest repeat letters. For the above example, the answer is 6, because the longest repeat letters are UuuUUU. Note that we do not have to distinguish uppercases from lowercases, that is, U and u are considered the same.

### Hint:

- a. Use `while((ch=getchar())!='\n') { ... }` to read the input data.
- b. Use another variable `prev` to remember the previous letter.
- c. Include `ctype.h` so that you can use `toupper(ch)` to convert `ch` into uppercase, and then you do not need to take care of the case because every letter is uppercase.
- d. The algorithm can be summarized as follows:  
while loop: read the current letter and do the loop when the letter is not `'\n'`

- i) convert the letter to uppercase
- ii) if the letter is different from the previous one
  - a. compare the length of the current repeat letter with the longest length we have seen so far; if the length of the current letter is longer, then update the longest length as the new one.
  - b. update the `prev` as `ch`
  - c. reset the length of the current repeat letter as 1 because we start with a new letter
- iii) else
  - a. increase the length of the current repeat letter by 1

## Input

The input is a string of English letters, which can be uppercase or lowercase. There are no whitespaces between the letters, and the input is ended with `'\n'`.

## Output

The output is a number indicating the length of the longest consecutive letters. Be sure to add a newline character '\n' at the end.

## Sample Input

aaccBBbFFffFKkkKkKk0J0J0J0J0J0J0J0J0J0J0J

## Sample Output

8