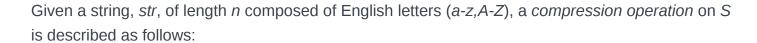






☆ Compression







- 1. Find a substring having some repeated character, *c*. The substring *must* contain every consecutive repetition of *c* for that section of *str* (i.e.: the left and right boundaries of the substring must fall at the first non-*c* characters).
- 2. Find the length, k, of said substring.
- 3. For every substring having k > 1, replace the substring with a single occurrence of the character, c, followed by the integer value of k.

Complete the *compress* function which takes a string, *str* as a parameter, performs a compression operation on *str*, and returns the compressed string.

Input Format

A single line containing string str of length n.

Constraints

• 0 < n < 1024

Output Format

You are not responsible for printing anything to stdout. Your *compress* function must return the compressed string.

Sample Input 1

aaaaabbbbbbbbbbccccpqrstuv

Sample Output 1

a5b9c4pqrstuv



?

For "aaaah", k=5, so this substring is replaced with "a5".

For "bbbbbbbbbb", *k*=9, so this substring is replaced with "b9".

For "cccc", k=4, so this substring is replaced with "c4".

As p, q, r, s, t, u, and v are all non-repeating characters, they are left as-is. Thus, the string returned by the *compress* function is a5b9c4pqrstuv.



YOUR ANSWER

We recommend you take a quick tour of our editor before you proceed. The timer will pause up to 90 seconds for the tour.

Start tour

C# Original code using System; 1 using System.Collections.Generic; 3 using System.IO; using System.Linq; 4 5 class Solution { 6 7 ▼ /* * Complete the function below. 8 9 static string compress(string str) { 10 ▼ 11 12 13 } 14 15 static void Main(String[] args) { ↔ } 16 ▶ 29 } Line: 11 Col: 1

Test against custom input

Run Code

Submit code & Continue



① 02:59 to test end





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