


<b>Assignment Case</b>	
CH1Special	
Periode Berlaku Semester Ganjil 2021/2022 Valid on Odd Semester Year 2021/2022	Software Laboratory Center Assistant Recruitment 22-1

## Soal

Case

### Compressing a String

Given a group of **characters**, compress it using the following algorithm:

- Begin with empty string **result**.
- If the group length is 1, append the character to **result**.
- Otherwise, append the the character followed by the group's length.

You must write an algorithm that use constant space, you can't allocate more array except for the group of characters.

## Input

The program will ask for a single integer **n** followed by **n-characters chars**.

## Constraint

$1 \leq n \leq 2000$

Chars[i] consists of English letter (uppercase or lowercase), digit or symbol.

## Output

Print the result of the compression.

**Example (Print out one '\n' at the end of the results)**

Input	Output
1 a	1 a
7 a a b b c c c	6 a2b2c3