

## Problem A

# Finding Maximal Non-Trivial Monotones

In this problem we will be dealing with character sequences, often called *strings*. A sequence is *non-trivial* if it contains at least two elements.

Given a sequence  $s$ , we say that a chunk  $s_i, \dots, s_j$  is *monotone* if all its characters are equal, and we say that it is *maximal* if this chunk cannot be extended to left or right without losing the monotonicity.

Given a sequence composed only of characters “a” and “b”, determine how many characters “a” occur in non-trivial maximal monotone chunks.

### Input

The input consists of two lines. The first line contains a single integer  $N$ , where  $1 \leq N \leq 10^5$ . The second line contains a string with exactly  $N$  characters, composed only of the characters “a” and “b”.

### Output

Print a single line containing an integer representing the total number of times the character “a” occurs in non-trivial maximal monotone chunks.

<b>Input example 1</b> 7 abababa	<b>Output example 1</b> 0
<b>Input example 2</b> 7 bababab	<b>Output example 2</b> 0
<b>Input example 3</b> 10 aababaaabb	<b>Output example 3</b> 5
<b>Input example 4</b> 10 bbaababaaa	<b>Output example 4</b> 5