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 $s_i, \ldots, s_j$ 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.

Input example 1	**Output example 1**
7 abababa	0

Input example 2	**Output example 2**
7 bababab	0

Input example 3	**Output example 3**
10 aababaaabb	5

Input example 4	**Output example 4**
10 bbaababaaa	5