"Strings: Nice Pair -abababbbabba

Given a string S which contains only two types of characters ""a"" and ""b"", find several pairs of i, j where i<j and S[i]=""a"" and S[j]=""b"".

Example

Let the string be: ""abab""

Here, we consider 0 based indexing.

The corresponding i, j is:

i = 0 and j = 1

i = 0 and j = 3

i = 2 and j = 3

So, the total number of nice pairs is 3.

Note:

Consider 0 based indexing.

Function Description

In the provided code snippet, implement the provided nicePair(...) method using the variables to print an integer that gives you several nice pairs in the string. You can write your code in the space below the phrase “WRITE YOUR LOGIC HERE”.

There will be multiple test cases running so the Input and Output should match exactly as provided.

Input Format

The first line of input contains a string S.

Sample Input

ababa --denotes the string S.

Constraints

S.length<1000

Output Format

The output contains an integer denoting the number of nice pairs in the string.

Sample Output

3

Explanation

String =""abab"".

Here, we can find 3 pairs of i, j which satisfy the condition given in the problem.

Considering 0 based indexing,

i = 0 and j = 1

i = 0 and j = 3

i = 2 and j = 3

Here we follow the condition of i<j.

We have 3 nice pairs in the string.

Hence, the output is 3."