Light's Drawer Trap

Light reveals to Ryuk that his Death Note hiding place will be a secret compartment under his drawer. Light creates a false base and under it he hides the Death Note. In order to pull up the false base one has to enter a password.

Light has written a string on the top of the false base and the password is the number of times all the characters in the string are repeated written in the order of their appearance.

For example, if the string written on the top of the base is "baabbc", the password will be 321. 'b' comes first and is repeated 3 times in the string, then comes 'a' and is repeated twice in the string and then comes 'c' and just occurs once in the string hence the password is 321.

INPUT:
The first line will contain an integer T, denoting the number of test cases.
T lines are followed then and in each line will be the string S.

OUTPUT:
For each test case print the password in separate lines.

CONSTRAINTS:
1 <= T <= 1000
1 <= |S| <= 50000

EXAMPLE:
INPUT:
2
baabbc
xxxaaayyyxx

OUTPUT:
321
533

TIME LIMIT: 1 sec