Problem Statement Suggest Edit

You have been given a text message. You have to return the Run-length Encoding of the given message.

Run-length encoding is a fast and simple method of encoding strings. The basic idea is to represent repeated successive characters as the character and a single count. For example, the string "aaaabbbccdaa" would be encoded as "a4b3c2d1a2".

Input Format:

The first line contains an integer 'T' which denotes the number of test cases or queries to be run. Then the test cases follow:

The first and only line of each test case will contain a string denoting the message.

Note:

It's guaranteed that the message string will have no digits and consists solely of lowercase alphabetic characters.

Output Format:

For each test case/query, print the encoded message string.

Output for every test case will be printed in a separate line.

Note:

You do not need to print anything, it has already been taken care of.

Constraints:

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1 <= T <= 10
1 <= N <= 100000
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Where N is the length of the message string.

Time Limit : 1sec

Sample Input 1:

3 aabbc abcd abbdcaas

Sample Output 1:

a2b2c1 a1b1c1d1 a1b2d1c1a2s1

Sample Input 2:

2 sadasd adsad

Sample Output 2:

slaldlalsldl
aldlslaldl