

# Run Length Encoding

Given a String, compress the string using the Run Length Encoding mechanism.

Run Length encoding mechanism allows compression of strings by making note of the number of times they occurred consecutively.

Eg) aaabbccc is encoded as 3a2b3c

First line of the input consists of a number  $t$ , denoting the number of test cases.

Each test case contains a string  $s$ , with length  $\leq 100$

Output the compressed string for each test case

## Sample Input

```
1
aaabbb
```

## Sample Output

```
3a3b
```