[C] Comma-Separated Values

Program:	csv. (cpp|java)
Input:	csv.in
Balloon Color:	Blue

Description

You work in a company where your job is to analyze and make sense of a lot of information. This information is usually sent to you as a spreadsheet saved in a text file. Basically, the data are sent in rows, and each row contains multiple fields which are separated with a special character. The data you receive from your colleagues usually contains multiple special characters, and you know they are far too lazy to stick to one standard.

One solution to this problem is to convert the data into comma-separated values (CSV). This standard is more practical and most spreadsheet applications can interpret it. So, your job is to convert the data you receive into CSV files. It would also be very helpful if you can append the number of fields at the end of each row. Look at the example below for a row sent to you:

Some#important#data

As you can see, the '#' character has been used as the separator. Your objective is to convert such a row into this (don't forget the number of fields at the end):

Some,important,data,3

Input Format

The input starts with a number T that represents the number of rows in the file. Each row contains a string with a maximum of 1,000 characters. The string will contain alphabets and those special characters:

'#', '$', '|', '%' (The hash, dollar, vertical bar, and percentage characters)

The special characters listed above can be found anywhere in the row. There are no spaces in the row.

Output Format

The output for each row should be the same row with the special characters listed above replaced with a comma. At the end of each row, append an extra field with the number of fields in it.

Sample Input / Output

```
—————— csv.in ——————
2
Some#important#data
Gulf$Open|Programming%Contest
```

```
—————— OUTPUT ——————
Some,important,data,3
Gulf,Open,Programming,Contest,4
```

4