

<https://course.acciojob.com/idle?question=ce24f7d7-99ed-4c35-bde3-7b3637a5f639>

• EASY

• Max Score: 30 Points

## Way Too Long Words

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Sometimes some words like "localization" or "internationalization" are so long that writing them many times in one text is quite tiresome.

Let us consider a word too long, if its length is strictly more than 10 characters. All too long words should be replaced with a special abbreviation.

This abbreviation is made like this: we write down the first and the last letter of a word and between them we write the number of letters between the first and the last letters. That number is in decimal system and does not contain any leading zeroes.

Thus, "localization" will be spelt as "l10n", and "internationalization" will be spelt as "i18n".

You are suggested to automatize the process of changing the words with abbreviations. At that all too long words should be replaced by the abbreviation and the words that are not too long should not undergo any changes.

### Input Format

The first and only line contains a string consisting of lowercase Latin letters and possess the lengths of from 1 to 1000 characters.

### Output Format

Print the abbreviated word

### Example 1

Input

`word`

Output

`word`

Explanation The words having length longer than 10 are abbreviated given the criteria above

## Example 2

Input

`pneumonoultramicroscopicsilicovolcanoconiosis`

Output

`p43s`

Explanation the word is abbreviated as it is longer than 10 based on the above criteria

## Constraints

$1 < n < 1000$

$1 < s < 1000$

$s$  denotes the length of the words

### Topic Tags

- **Strings**

# My code

// n java

```

import java.util.*;
import java.lang.*;
import java.io.*;

public class Main
{
    public static void main (String[] args) throws
java.lang.Exception
    {
        //your code here
        Scanner s=new Scanner(System.in);
        int n=s.nextInt();
        for(int i=0;i<n;i++)
        {
            String str=s.next();
            int m=str.length();
            if(m<11)System.out.println(str);
            else
System.out.println(str.charAt(0)+" "+(m-2)+" "+str.charAt(m-1));
        }
    }
}

```