

Problem

Amanda has a string of lowercase letters that she wants to copy to a new string. She can perform the following operations with the given costs. She can perform them any number of times to construct a new string :

- Append a character to the end of string at a cost of dollar.
- Choose any substring of and append it to the end of at no charge.

Submissions

Given strings , find and print the minimum cost of copying each to on a new line.

For example, given a string , it can be copied for dollars. Start by copying , and individually at a cost of dollar per character. String at this time. Copy to the end of at no cost to complete the copy.

Leaderboard

Function Description

Complete the stringConstruction function in the editor below. It should return the minimum cost of copying a string.

stringConstruction has the following parameter(s):

- s: a string

Input Format

The first line contains a single integer , the number of strings.

Each of the next lines contains a single string, .

Discussions

Constraints

-
-

Subtasks

- for of the maximum score.

Editorial

Output Format

For each string print the minimum cost of constructing a new string on a new line.

Sample Input

```
2
abcd
abab
```

Sample Output

```
4
2
```

Explanation

Query 0: We start with and .

- Append character ' ' to at a cost of dollar, .
- Append character ' ' to at a cost of dollar, .
- Append character ' ' to at a cost of dollar, .
- Append character ' ' to at a cost of dollar, .

Because the total cost of all operations is dollars, we print on a new line.

Query 1: We start with and .

- Append character ' ' to at a cost of dollar, .
- Append character ' ' to at a cost of dollar, .

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Language

Python 3



```
1 def stringConstruction(s):
2     return len(set(s))
3
4 n = int(input().strip())
5 for _ in range(n):
6     s = input().strip()
7     print(stringConstruction(s))
8
9
10
```

Line: 10 Col: 1

[Upload Code as File](#)[Run Code](#)[Submit Code](#)☐ Test against custom input

Congratulations!

You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Sample Test case 0

Input (stdin)

[Download](#)

```
1 2
2 abcd
3 abab
```

Your Output (stdout)

```
1 4
2 2
```

Expected Output

[Download](#)

```
1 4
2 2
```