

Problem 2:

Time limit for each test case : 3 seconds

Find the number of unique strings, formed after removing exactly one character from the string from any position. For example, if the string is "abide" removing "i" results in "abde".

Input :

Given an integer t, denoting number of test cases.

For each test case t:

Given a string s.

Output:

Print the number of unique strings that can be formed.

Constraints:

$1 \leq \text{length (string)} \leq 100000$

Sample input 1:

abcde

Sample output 1:

5

Sample output 2:

23