

Count of distinct substrings

Given a string of length **N** of lowercase alphabet characters. The task is to complete the function **countDistinctSubstring()**, which returns the count of **total number of distinct substrings** of this string.

Input:

The first line of input contains an integer **T**, denoting the number of test cases. Then T test cases follow. Each test case contains a string **str**.

Output:

For each test case in a new line, output will be an integer denoting count of total number of distinct substrings of this string.

User Task:

Since this is a functional problem you don't have to worry about input, you just have to complete the function **countDistinctSubstring()**.

Constraints:

$$1 \leq T \leq 10$$

$$1 \leq N \leq 1000$$

Example(To be used only for expected output):

Input:

2

ab

ababa

Output:

4

10

Exaplanation:

Testcase 1: For the given string "ab" the total distinct substrings are: "", "a", "b", "ab".