# **DISUBSTR - Distinct Substrings**

Given a string, we need to find the total number of its distinct substrings.

### Input

T- number of test cases. T<=20; Each test case consists of one string, whose length is <= 1000

## Output

For each test case output one number saying the number of distinct substrings.

# Example

### Sample Input:

2

CCCCC

ABABA

### Sample Output:

5

9

Explanation for the testcase with string ABABA:

Ien=1: A,B

len=2: AB,BA

len=3: ABA,BAB

len=4: ABAB,BABA

len=5: ABABA

Thus, total number of distinct substrings is 9.