Problem 5: Miku in the Middle
2+5 Points

Problem ID: `miku`
Rank: `2+2`

Introduction

Hatsune Miku is hiding in your WiFi and is intercepting your packets! Tired of having every facet of the internet infused with Vocaloid, you decide to investigate. After analyzing Miku's open secrets, you've determined that the odds of a packet being tampered with is directly proportional to the frequency she's hidden her signature "uwu" within the message!

Problem Statement

Given a string $\mathbf{S}$ of lowercase letters, find the number of pairs of u's that can be used to form an uwu subsequence of $\mathbf{S}$. A string s is a subsequence of string t if s can be formed by deleting any number of characters from t while preserving the order of the remaining characters.

Input Format

The first line of the input contains a single integer $\mathbf{T}$ denoting the number of test cases that follow. Each test case is described in a single line containing a string S.

Output Format

For each test case, output a single line containing the number of pairs of u's in $\mathbf{S}$ that can create a subsequence of uwu

Constraints

$1 \leq \mathbf{T} \leq 100$
All characters in $\mathbf{S}$ are letters from the lowercase alphabet: abcdefghijklmnopqrstuvwxyz

Main Test Set

$1 \leq |\mathbf{S}| \leq 100$

Bonus Test Set

$1 \leq |\mathbf{S}| \leq 10^5$

Sample Test Cases

Sample Input

Download

```
4
uwwu
uyuwuuxuwu
uuwuu
wwuuouw
```

Sample Output

Download

```
1
11
4
0
```

Sample Explanations

For test case #1, we have one pair of u's that have at least one w between them. As such, this pair of u's can be used to create the subsequence uwu by removing one of the w's between them.

For test case #2, the pairs of u's that can be used to create a subsequence of uwu are:

- **u**yu**wu**⋆⋆⋆⋆⋆ (1st and 3rd)
- ⋆⋆**uwu**⋆⋆⋆⋆⋆ (2nd and 3rd)
- **u**yu**w**u**u**⋆⋆⋆⋆ (1st and 4th)
- ⋆⋆**uw**u**u**⋆⋆⋆⋆ (2nd and 4th)
- **u**yu**w**uux**u**⋆⋆ (1st and 5th)
- ⋆⋆**uw**uux**u**⋆⋆ (2nd and 5th)
- **u**yu**w**uuxuw**u** or **u**yuwuuxu**wu** (1st and 6th)
- ⋆⋆**uw**uuxuw**u** or ⋆⋆**u**wuuxu**wu** (2nd and 6th)
- ⋆⋆⋆⋆**u**uxu**wu** (3rd and 6th)
- ⋆⋆⋆⋆⋆**u**xu**wu** (4th and 6th)
- ⋆⋆⋆⋆⋆⋆⋆**uwu** (5th and 6th)

For test case #3, it is possible to create a subsequence of uwu by pairing either of the first two u's with either of the last two u's—for a total of 4 possible pairs of u's.

For test case #4, it is impossible to create a subsequence of uwu from S, so the number of pairs is zero.