**Different Consecutive Characters**

Chef has a binary string *S* of length *N*. Chef can perform the following operation on *S*:

* Insert any character (0 or 1) at any position in *S*.

Find the minimum number of operations Chef needs to perform so that no two consecutive characters are same in *S*.

**Input Format**

* The first line contains a single integer *T* — the number of test cases. Then the test cases follow.
* The first line of each test case contains an integer *N* — the length of the binary string *S*.
* The second line of each test case contains a binary string *S* of length *N* containing 0s and 1s only.

**Output Format**

For each test case, output on a new line the minimum number of operations Chef needs to perform so that no two consecutive characters are same in *S*.

**Constraints**

* 1≤*T*≤100
* 1≤*N*≤1000

**Sample 1:**

Input

3

2

11

4

0101

5

00100

Output

1

0

2

**Explanation:**

**Test case 1:** We can perform the following operations: 11→10​1.

**Test case 2:** We do not need to perform any operations.

**Test case 3:** We can perform the following operations: 00100→010100→0101010.