

Problem

You are given a string containing characters **A** and **B** only. Your task is to change it into a string such that there are no matching adjacent characters. To do this, you are allowed to delete zero or more characters in the string.

Your task is to find the minimum number of required deletions.

Example

s = **AABAAB**

Submissions

Remove an **A** at positions **0** and **3** to make **s** = **ABAB** in **2** deletions.

Function Description

Complete the alternatingCharacters function in the editor below.

alternatingCharacters has the following parameter(s):

- string s: a string

Leaderboard

Returns

- int: the minimum number of deletions required

Input Format

The first line contains an integer **q**, the number of queries.

The next **q** lines each contain a string **s** to analyze.

Discussions

Constraints

- $1 \leq q \leq 10$
- $1 \leq \text{length of } s \leq 10^5$
- Each string **s** will consist only of characters **A** and **B**.

Sample Input

Editorial

5
AAAA
BBBBB
ABABABAB
BABABA
AAABBB

Sample Output

Topics

3
4
0
0
4

Explanation

The characters marked red are the ones that can be deleted so that the string does not have matching adjacent characters.

AAAA -> A (3 deletions)

BBBBB -> B (4 deletions)

ABABABAB -> ABABABAB (0 deletions)

BABABA -> BABABA (0 deletions)

AAABBB -> AB (4 deletions)

Change Theme

Language

Java 8



```
35 .....}
36 .....
37 .....
38 .....return·deletions;
39 ....//·Write·your·code·here
40
41 ....}
42
43 }
44
45 public class Solution {
46     public static void main(String[] args) throws IOExcep
47         BufferedReader bufferedReader = new BufferedReade
48         InputStreamReader(System.in));
49         BufferedWriter bufferedWriter = new BufferedWrite
50         FileWriter(System.getenv("OUTPUT_PATH")));
51
52     int q = Integer.parseInt(bufferedReader.readLine()
```

Line: 42 Col: 1

Upload Code as File

Run Code

Submit Code



Test against custom input

You have earned 20.00 points!

These points will also count towards your progress in the Problem Solving Badge.

93%

95/100



Congratulations

You solved this challenge. Would you like to challenge your friends?

Next Challenge



Test case 0



Test case 1



Test case 2



Test case 3



Test case 4



Test case 5



Test case 6



Compiler Message

Success

Input (stdin)

Download

1 5
2 AAAA
3 BBBBB
4 ABABABAB
5 BABABA
6 AAABBB

Expected Output

Download