

Alternating Characters



You are given a string containing characters **A** and **B** only, your task is to change it into a string such that every two consecutive characters are different. To do this, you are allowed to delete the one or more characters in the string.

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

For example, string **ABAA** should be changed to **ABA** by deleting one character **A**.

Input Format

The first line contains an integer **T**, i.e. the number of test cases.

The next **T** lines contain a string each.

Constraints

- $1 \leq T \leq 10$
- $1 \leq \text{length of string} \leq 10^5$

Output Format

For each test case, print the minimum number of deletions required.

Sample Input

```
5
AAAA
BBBBB
ABABABAB
BABABA
AAABBB
```

Sample Output

```
3
4
0
0
4
```

Explanation

AAAA \implies **A**, 3 deletions

BBBBB \implies **B**, 4 deletions

ABABABAB \implies **ABABABAB**, 0 deletions

BABABA \implies **BABABA**, 0 deletions

AAABBB \implies **AB**, 4 deletions because to convert it to **AB** we need to delete 2 A's and 2 B's