GROUP COUNT

There are **N** prople sitting in a row, and two people who are sitting near each other are connected only if they are of the opposite gender, and they are not connect if they are of the same gender.
Also if *a* is connected to *b* and *b* is connected to *c*, this means *a* is connected to *c*.
A group is defined as a set of x people where everyone in set x is connected to each other.

Now given a seating arrangment, You have to tell what is the minimum number of groups that can be formed from the current arrangment.

INPUT:
first line contains the integer T denoting the number of test cases.
Each test case has only one line of input, a string that denotes how the people are seated.
The string consists of only two characters 'b' and 'g'.
where 'b' is a boy and 'g' is a girl.(Obviusly xD)
the size of the string does not exceed 1000.
and T does not exceed 100.

OUTPUT:
for every test case output the answer in a new line

EXAMPLE INPUT:
2
bgbgbg
bggb

EXAMPLE OUTPUT:
1
2