CODEFORCES
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TheKing003KS | Logout

✉ You have **+416! Wow!**

HOME   TOP   CONTESTS   GYM   PROBLEMSET   GROUPS   RATING   EDU   API   CALENDAR   HELP   DELTIX ROUNDS 2021 🏆

PROBLEMS   SUBMIT CODE   MY SUBMISSIONS   STATUS   HACKS   STANDINGS   CUSTOM INVOCATION

General ▶

#	Author	Problem	Lang	Verdict	Time	Memory	Sent	Judged		
123841908	Practice: **TheKing003KS**	1551B1 - 28	GNU C++14	**Accepted**	31 ms	3656 KB	2021-07-26 16:16:15	2021-07-26 16:16:15	⭐	Compare

→ Source

Copy

```
#include<iostream>
#include<limits.h>
#include<math.h>
#include<vector>
#include<string>
#include<queue>
#include<stack>
#include<set>
#include<map>
#include<unordered_set>
#include<unordered_map>
#include<algorithm>
using namespace std;

#define ll long long int
#define ull unsigned long long int
#define modulo 1000000007
#define mp make_pair
#define pb push_back

int main()
{
    ll tests;
    cin >> tests;
    while(tests--)
    {
        string str;
        cin >> str;
```

```cpp
        sort(begin(str),end(str));

        //unordered_set<char> red, green;
        int count = 0;
        bool flag = true;
        for(int i = 0; i < str.length();)
        {
            if(i+1 < str.length() && str[i+1] == str[i])
            {
                count++;
                // red.insert(str[i]);
                // green.insert(str[i]);

                int temp = i+2;
                while(temp < str.length() && str[temp] == str[i]) {temp++;}
                i = temp;
            }
            else if(flag)
            {
                count++;
                //red.insert(str[i]);
                flag = false;
                i++;
            }
            else if(!flag)
            {
                //green.insert(str[i]);
                flag = true;
                i++;
            }
        }
        if(!flag) {count--;}
        cout << count;

        cout << "\n";
    }

    return 0;
}


// ll n;
// cin >> n;
// vector<ll> arr(n);
// for(ll i = 0; i < n; i++) {cin >> arr[i];}

// for(ll i = 0; i < n; i++) {cout << arr[i] << " ";}

// sort(begin(arr),end(arr));
```

1

Time: 31 ms, **memory**: 3644 KB

Verdict: OK

Input
```
5
kzaaa
codeforces
archive
y
xxxxxx
```

Participant's output
```
2
5
3
0
1
```

Jury's answer
```
2
5
3
0
1
```

Checker comment
```
ok 5 number(s): "2 5 3 0 1"
```

2

Time: 15 ms, **memory**: 3644 KB

Verdict: OK

Input
```
1000
m
g
j
y
i
z
d
k
s
b
h
p
v
e
n
f
l
q
```

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u
r
tt
pp
gs
xx
nn
cc
fd
kf
pp
ii
tt
dt
hh
ll
rr
pp
hh
ii
kl
bb
eew
vca
lll
pzz
zyz
jjr
nnn
vvl
ddd
aaa
qqd
iii
yyy
ooo
eee
vvv
pjj
qqq
zzs
qjj
cqcc
dkjd
sscs
lhll
rrrr
asas
llll
zpiz
rrcx
cccc
```

```
rerl
yyky
fffs
ttft
veve
bdbb
ccaa
oaia
nfxn
hcwh
bbbbb
lelel
mjjej
hcycg
frrsr
udoud
ibbib
zzkzs
yyuyu
ieeri
kgkec
akkkk
qznnx
eeute
feqfk
fffff
yyyyy
ojljl
fllll
sdsdf
stsbr...
```

Participant's output
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2...
```

Jury's answer

```
0
0
0
0
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4
4
2
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3
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```
3
1
4
4
3
3
4
2
2
4
2...
```

Checker comment
```
ok 1000 numbers
```

3

Time: 15 ms, **memory**: 3640 KB

Verdict: OK

Input
```
1000
xktxaulxykwhhbtnxwzvasvymhplxhajvhouglsnskkwnvpnpk
mllimihmipjafkfkjhwjmihahimwkwihmatptkwkiajkwfwklh
wocweofkxgnfxmeznbbgngkowfeogkgxfmgnekozowmgwgnfzo
ktdgdnkdjcqnnrgyxnboxtfytqqgtxgngjrbrajikbyejorefz
vtibhyiyhqbyihyhyhvisiyftsytvfittitysybtqvfsvthtti
vudgdzuhtpxvubcodxxcmhygnigrjcqptzdifzlqwmvsirhoks
dqoqqoodqodqdoqdqqqqqqoqdqddqqqqqoqoqoooddqddoqddoo
hfirkkprtbmrdigrdtfwkdkmbamtkarooisxfvooptsoqrbqli
yjjsjjeuzjelueejsleysyysjkzjkskjjssljuzekseyuzzekz
jyqjqdqdqjyddjqyujyququjddjdyyqyuyjuy...
```

Participant's output
```
16
11
11
16
9
20
3
16
8
5
16
15
11
17
11
11
13
9
14
```

```
5
14
18
17
18
16
17
17
18
10
6
15
12
17
6
17
18
18
8
14
17
5
12
17
14
7
16
10
6
18
16
19
10
15
3
18
16
10
11
18
17
13
6
10
7
13
15
11
13
6
17
3
```

```
16
11
8
17
14
1
6
11
20
1
16
14
17
6
1
12
11
20
12
12
12
20
12
5
18
16
16
7
16
14
3
15
6
3
15
5
9
15
11
12
12
16
16
19
11
15
9
18
15
8
19
17
```

```
12
14
18
6
18
15
5
1
1
4
15
7
4
15
18. . .
```

Jury's answer

```
16
11
11
16
9
20
3
16
8
5
16
15
11
17
11
11
13
9
14
5
14
18
17
18
16
17
17
18
10
6
15
12
17
6
17
18
```

```
18
8
14
17
5
12
17
14
7
16
10
6
18
16
19
10
15
3
18
16
10
11
18
17
13
6
10
7
13
15
11
13
6
17
3
16
11
8
17
14
1
6
11
20
1
16
14
17
6
1
12
11
```

```
20
12
12
12
20
12
5
18
16
16
7
16
14
3
15
6
3
15
5
9
15
11
12
12
16
16
19
11
15
9
18
15
8
19
17
12
14
18
6
18
15
5
1
1
4
15
7
4
15
18...
```

Checker comment
ok 1000 numbers

4

4

Time: 15 ms, **memory**: 3640 KB

Verdict: OK

Input
1
aa

Participant's output
1

Jury's answer
1

Checker comment
ok 1 number(s): "1"

5

5

Time: 0 ms, **memory**: 3640 KB

Verdict: OK

Input
61
kzaaa
codeforces
archive
y
xxxxxx
kzaaa
codeforces
archive
y
xxxxxx
kzaaa
codeforces
archive
y
xxxxxx
kzaaa
codeforces
archive
y
xxxxxx
kzaaa
codeforces
archive
y
xxxxxx
kzaaa
codeforces
archive
y

```
xxxxxx
kzaaa
codeforces
archive
y
xxxxxx
kzaaa
codeforces
archive
y
xxxxxx
kzaaa
codeforces
archive
y
xxxxxx
kzaaa
codeforces
archive
y
xxxxxx
kzaaa
codeforces
archive
y
xxxxxx
kzaaa
codeforces
archive
y
xxxxxx
y
```

Participant's output

```
2
5
3
0
1
2
5
3
0
1
2
5
3
0
1
2
5
3
0
```

```
1
2
5
3
0
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1
2
5
3
0
1
2
5
3
0
1
2
5
3
0
1
0
```

Jury's answer

```
2
5
3
0
1
2
5
3
0
```

```
1
2
5
3
0
1
2
5
3
0
1
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2
5
3
0
1
2
5
3
0
1
0
```

Checker comment
ok 61 numbers

6

Time: 15 ms, **memory**: 3644 KB

Verdict: OK

Input
1
abbdsdndsncjksdncjkdsncknsdkcnskc

Participant's output
7

Jury's answer
7

Checker comment
ok 1 number(s): "7"

7

Time: 15 ms, **memory**: 3656 KB

Verdict: OK

Input
1
dscnjksdcnsjkvndfjkvndfjkvnkdfnv

Participant's output
8

Jury's answer
8

Checker comment
ok 1 number(s): "8"

ITMO UNIVERSITY