

```

import java.util.*;
import java.lang.*;
import java.io.*;

public class Main
{
    static class Pair{
        int m1,m2;

        Pair(int f,int u){

            m1=f;
            m2=u;
        }
    }

    public static void main (String[] args) throws java.lang.Exception
    {
        Scanner sobj=new Scanner(System.in);

        int akada=sobj.nextInt();

        while (akada>0) {
            int n=sobj.nextInt();
            String s=sobj.next();

            Pair[] pair=new Pair[26];

            for (int i = 0; i < 26; i++) {
                pair[i]=new Pair(0, 0);
            }
            int i=0;
            int k=0,index,m1,m2;
            int res=0,uttar;
            while (i<n) {
                k=0;
                char cur=s.charAt(i);
                while (i<n && cur==s.charAt(i)) {
                    k++;
                    i++;
                }
                if(k==n) res=k-1;

                index=cur-'a';

                m1=pair[index].m1;

                m2=pair[index].m2;
                if(m1>m2){
                    if(k>m2) pair[index].m2=k;
                }
                else{
                    if(k>m1) pair[index].m1=k;
                }
            }
        }
    }
}

```

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}  
  
for (Pair p : pair) {  
    if(p.m1==p.m2) uttar=p.m1;  
    else uttar=Math.max(p.m1, p.m2)-1;  
    if(uttar>res) res=uttar;  
}  
  
System.out.println(res);  
  
akada--;  
}  
}  
}
```