

```
import java.util.Scanner;
class Main
{
    public static void main (String[] args)
    {
        // your code goes here
        Scanner input=new Scanner(System.in);
        int test=input.nextInt();
        for(int i=0;i<test;i++)
        {
            int N=input.nextInt();
            String str=input.next();
            int c=0;
            for(int j=0;j<N-1;j++)
            {
                if(str.substring(j,j+2).equals("10"))
                {
                    c++;
                    j++;
                }
            }
            System.out.println(c);
        }
    }
}
```