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

public class Main
{
    public static int noOfFlips(int n,String str){

        int count=0;
        if(str.charAt(0)=='1') count++;

        for(int i=1;i<n;i++){
            if(str.charAt(i)=='1' && str.charAt(i-1)=='1') return 2;
            if(str.charAt(i)=='1') count++;
        }
        if(count==0) return 0;
        return 1;
    }

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

        for(int i=0;i<T;i++){

            int N=sc.nextInt();
            String str=sc.next();

            System.out.println(noOfFlips(N,str));
        }
    }
}

```