

<https://course.acciojob.com/idle?question=5e404ec7-be24-42ce-bf9b-fefddedc5a1c>

● EASY

● Max Score: 30 Points

Remove Zeroes

You are given a string s . Each character is either 0 or 1.

You want all 1s in the string to form a contiguous subsegment. For example, if the string is 0, 1, 00111 or 01111100, then all ones (1) form a contiguous subsegment, and if the string is 0101, 100001 or 1111111111101, then this condition is not met.

You may erase some (possibly none) zeroes(0) from the string. What is the minimum number of zeros (0) that you have to erase?

Input Format

The first line contains one integer t ($1 \leq t \leq 100$) — the number of test cases.

Then t lines follow, each representing a test case. Each line contains one string s ($1 \leq |s| \leq 100$); each character of s is either 0 or 1.

Output Format

Print t integers, where the i -th integer is the answer to the i -th testcase (the minimum number of zeros(0) that you have to erase from s).

Example 1

Input

```
3
010011
0
1111000
```

Output

```
2
0
0
```

Explanation

In the first test case you have to delete the third and forth symbols from string 010011 (it turns into 0111).

Example 2

Input

```
1
010101
```

Output

```
2
```

Explanation

Need to remove zero at index 2 and index 4.

Constraints

$1 \leq t \leq 10^4$ $1 \leq s.length \leq 10^4$

Topic Tags

- **Loops**

My code

// in java

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

```
public class Main
```

```
{
```

```
    public static void main (String[] args) throws java.lang.Exception  
    {
```

```
        //your code here
```

```
        Scanner s=new Scanner(System.in);
```

```
        int n=s.nextInt();
```

```
        for(int i=0;i<n;i++)
```

```
        {
```

```
            String str=s.next();
```

```
            int ind=-1, c=0,f=0;
```

```
            for(int j=0;j<str.length();j++)
```

```
            {
```

```
                if(str.charAt(j)=='1') {ind =j;break;}
```

```
            }
```

```
            if(ind==-1) {System.out.print("0");return;}
```

```
            for(int j=str.length();j>ind;j--)
```

```
            {
```

```
                if(str.charAt(j-1)=='1') {f=1;}
```

```
                if(str.charAt(j-1)=='0')
```

```
                {
```

```
                    if(f==1) c++;
```

```
                }
```

```
            }    System.out.print(c);
```

```
        }
```

```
    }
```

}