

<https://course.acciojob.com/idle?question=8dff7ba2-333c-4674-90b7-d39b0bc7a070>

- EASY
- Max Score: 30 Points

Countabc

Count recursively the total number of "abc" and "aba" substrings that appear in the given string.

`countAbc("abc")` → 1

`countAbc("abcxxabc")` → 2

`countAbc("abaxxaba")` → 2

Input Format

Only line contains the string in which we have to count "abc" and "aba".

Output Format

Print the number of "abc" and "aba" in string.

Example 1

Input

`abcxxabc`

Output

2

Explanation

There are 2 abc from 0 -> 2 and from 5 -> 7

Example 2

Input

```
abaxxaba
```

Output

```
2
```

Explanation

There is only one "abc" from 0 -> 2

Constraints

```
1 <= s.size() <= 1000
```

Topic Tags

- Recursion
- Strings

My code

```
// in java
```

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

```
public class Main
```

```

{
    static int fun(String s1,int n,int m)
    {
        int c=0;
        if(n-m==2) return 0;
        String str=s1.substring(m,m+3);
        if(str.equals("abc")) c++;
        if(str.equals("aba")) c++;
        return( c+fun(s1,n,m+1));
    }

    public static void main (String[] args) throws java.lang.Exception
    {
        //your code here
        Scanner s=new Scanner(System.in);
        String s1=s.next();
        int n=s1.length();
        int t=fun(s1,n,0);
        System.out.print(t);

    }
}

```