# HW_Count the Reversals 3

Given a string S consisting of only opening and closing curly brackets '{' and '}', find out the minimum number of reversals required to convert the string into a balanced expression. A reversal means changing '{' to '}' or vice-versa.

**Input Format**

The First line will be contain String S

**Constraints**

1 ≤ |S| ≤ 10^5

**Output Format**

returns the minimum number of reversals required to balance the bracket sequence. If balancing is not possible, return -1.

**Sample Input 0**

```
}{{}}{{{
```

**Sample Output 0**

```
3
```

Language: Java 15

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

public class Solution {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        String str = sc.nextLine();
        if(str.length() %2!=0){
            System.out.print(-1);
            return;
        }
        Stack<Character> st = new Stack<>();

        for(int i=0;i<str.length();i++){
            char ch = str.charAt(i);
            if(ch == '{')st.push(ch);
            else{
                if(!st.isEmpty() && st.peek()=='{' && ch=='}'){st.pop();}
                else st.push(ch);
            }
        }

        int open =0,close=0;
        while(!st.isEmpty()){
            if(st.pop()=='{')open++;
            else close++;
        }
        int ans = (int)(Math.ceil(open/2.0)+Math.ceil(close/2.0));
        System.out.print(ans);
    }
}
```