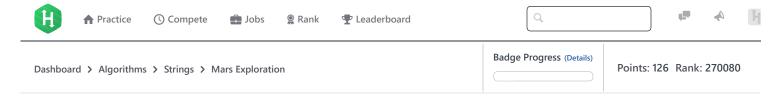
15/11/2017 HackerRank



# Mars Exploration **■**



Problem Submissions Leaderboard Discussions Editorial

Sami's spaceship crashed on Mars! She sends n sequential SOS messages to Earth for help.



Letters in some of the SOS messages are altered by cosmic radiation during transmission. Given the signal received by Earth as a string, S, determine how many letters of Sami's SOS have been changed by radiation.

#### **Input Format**

There is one line of input: a single string, S.

**Note:** As the original message is just SOS repeated n times, S's length will be a multiple of 3.

#### **Constraints**

- $1 \le |S| \le 99$
- |S| % 3 = 0
- ullet will contain only uppercase English letters.

### **Output Format**

Print the number of letters in Sami's message that were altered by cosmic radiation.

## Sample Input 0

SOSSPSSQSSOR

#### Sample Output 0

3

#### Sample Input 1

S0SS01

15/11/2017 HackerRank

```
Sample Output 1
```

1

#### **Explanation**

#### Sample 0

```
S = SOSSPSSQSSOR, and signal length |S| = 12. Sami sent 4 SOS messages (i.e.: 12/3 = 4).
```

Expected signal: **SOSSOSSOSSOS**Recieved signal: **SOSS P SS Q SSO R** 

We print the number of changed letters, which is 3.

#### Sample 1

```
S={\sf SOSSOT}, and signal length |S|=6. Sami sent {\sf 2} SOS messages (i.e.: 6/3=2).
```

Expected Signal: **SOSSOS**Received Signal: **SOSSO** T

**1** Upload Code as File

We print the number of changed letters, which is 1.

```
F in
Submissions:44751
Max Score:15
Difficulty: Easy
Rate This Challenge:
☆☆☆☆☆
More
```

Run Code

Submit Code

```
Current Buffer (saved locally, editable) & 🗘
                                                                                           Java 7
                                                                                                                             Ö
1 ▼ import java.io.*;
   import java.util.*;
   import java.text.*;
   import java.math.*;
   import java.util.regex.*;
6
7 ▼ public class Solution {
8
9 🔻
        public static void main(String[] args) {
10
            Scanner in = new Scanner(System.in);
            String S = in.next();
11
12
    }
13
14
                                                                                                                     Line: 1 Col: 1
```

Join us on IRC at #hackerrank on freenode for hugs or bugs.

Contest Calendar | Blog | Scoring | Environment | FAQ | About Us | Support | Careers | Terms Of Service | Privacy Policy | Request a Feature

Test against custom input