



Mars Exploration

by [Shafaet](#)

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

- $1 \leq |S| \leq 99$
- $|S| \% 3 = 0$
- S 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

```
SOSSOT
```

Sample Output 1

1

Explanation**Sample 0**

$S = \text{SOSSPSSQSSOR}$, 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

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


Expected Signal: **SOSSOS**

Received Signal: **SOSSO T**

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

[f](#) [t](#) [in](#)**Submissions:** [44751](#)**Max Score:** 15**Difficulty:** Easy**Rate This Challenge:**

☆☆☆☆☆

[More](#)Current Buffer (saved locally, editable)  

Java 7



```
1 import java.io.*;
2 import java.util.*;
3 import java.text.*;
4 import java.math.*;
5 import java.util.regex.*;
6
7 public class Solution {
8
9     public static void main(String[] args) {
10         Scanner in = new Scanner(System.in);
11         String S = in.next();
12     }
13 }
14
```

Line: 1 Col: 1

 [Upload Code as File](#)☐ Test against custom input

Run Code

Submit Code

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](#)