

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 s.

Constraints

- $1 \le |S| \le 99$
- |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 = 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 = 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 in
Submissions:46946
Max Score:15
Difficulty: Easy
Rate This Challenge:
☆☆☆☆☆
```

```
C++14
 Current Buffer (saved locally, editable) & 🗗
                                                                                                                         Ö
 1 ▼ #include <cmath>
 2 #include <cstdio>
   #include <vector>
 4 #include <iostream>
 5 #include <algorithm>
 6 using namespace std;
 8
 9 ▼ int main() {
10 ▼
        /* Enter your code here. Read input from STDIN. Print output to STDOUT */
11
        return 0;
12
    }
13
                                                                                                                Line: 1 Col: 1
                                                                                                    Run Code
                                                                                                                 Submit Code
                      Test against custom input
1 Upload Code as File
```

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