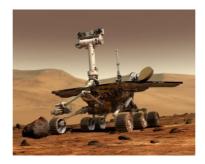


Mars Exploration **■**



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, **8**, determine how many letters of Sami's SOS have been changed by radiation.

Input Format

There is one line of input: a single string, \boldsymbol{S} .

Note: As the original message is just S0S 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

S0SS0T

Sample Output 1

1

Explanation

Sample 0

 $\emph{S}= exttt{SOSSPSSQSSOR}$, and signal length $|\emph{S}|=12$. 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

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```
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 y in
                                                                                                                       Submissions: 26406
                                                                                                                       Max Score: 15
                                                                                                                       Difficulty: Easy
                                                                                                                       Rate This Challenge:
                                                                                                                       \triangle \triangle \triangle \triangle \triangle \triangle
                                                                                                                       More
  Current Buffer (saved locally, editable) & 49
                                                                                                          C++
                                                                                                                                     53
                                                                                                                                           \Diamond
 1 ▼#include <map>
 2 #include <set>
 3
    #include <list>
    #include <cmath>
    #include <ctime>
    #include <deque>
    #include <queue>
    #include <stack>
     #include <string>
 10
    #include <bitset>
 11
    #include <cstdio>
    #include <limits>
12
13
    #include <vector>
    #include <climits>
14
    #include <cstring>
    #include <cstdlib>
#include <fstream>
 16
17
18
    #include <numeric>
    #include <sstream>
19
    #include <iostream>
21
     #include <algorithm>
22
    #include <unordered_map>
23
24
    using namespace std;
25
27 ▼int main(){
28
         string S;
         string check = "SOS";
29
         cin >> S;
 30
          int errors = 0;
          for (int i = 0; i < S.size(); i++) {
 32 ▼
 33 ▼
              if (S[i] != check[i % 3]) {
 34
                  errors++:
 35
 37
         cout << errors << "\n";</pre>
 38
         return 0;
 39
    }
 40
                                                                                                                                  Line: 1 Col: 1
Submit Code
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```

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