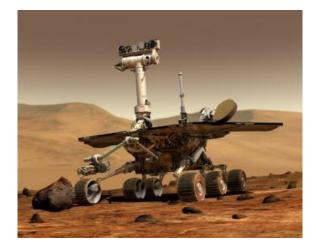
Mars Exploration

Sami's spaceship crashed on Mars! She sends n sequential $\frac{1}{2}$ so $\frac{1}{2}$ messages to Earth for help.



Letters in some of the ${\color{red} SOS}$ messages are altered by cosmic radiation during transmission. Given the signal received by Earth as a string, ${\color{red} S}$, determine how many letters of Sami's ${\color{red} SOS}$ 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
- \bullet $\ensuremath{\mathcal{S}}$ 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

 $S={
m SOSSPSSQSSOR}$, and signal length |S|=12. Sami sent $4\ {
m SOS}$ messages (i.e.: 12/3=4).

Expected signal: **SOSSOSSOSSOS**Recieved signal: **SOSS PSS 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: **SOSSOT**

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