Mars Exploration

A space explorer's ship crashed on Mars! They send a series of `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 the `SOS` message have been changed by radiation.

Example

$s = \text{'SOSTOT'}$

The original message was `SOSSOS`. Two of the message's characters were changed in transit.

Function Description

Complete the *marsExploration* function in the editor below.

marsExploration has the following parameter(s):

- *string s:* the string as received on Earth

Returns

- *int:* the number of letters changed during transmission

Input Format

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

Constraints

- $1 \leq \text{ length of } s \leq 99$
- $\text{length of } s \text{ modulo } 3 = 0$
- s will contain only uppercase English letters, ascii[A-Z].

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.