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CS 160 Algorithms

Mars Exploration

```
11  /*
12     * Complete the 'marsExploration' function below.
13     *
14     * The function is expected to return an INTEGER.
15     * The function accepts STRING s as parameter.
16     */
17
18     public static int marsExploration(String s) {
19         // Write your code here
20         int total = 0;
21         char[] split = s.toCharArray();
22         for (char c : split){
23             if (c == 'S' || c == 'O' ){
24                 continue;
25             }
26             else{
27                 total++;
28             }
29         }
30         return total;
31     }
32
33 }
```

✓ Sample Test case 0

Input (stdin)

[Download](#)

✓ Sample Test case 1

```
1 SOSSPSSQSSOR
```

✓ Sample Test case 2

Your Output (stdout)

```
1 3
```

Expected Output

[Download](#)

```
1 3
```

Simple Array Sum

```
6 import java.util.concurrent.*;
7 import java.util.regex.*;
8
9 class Result {
10
11     /*
12      * Complete the 'simpleArraySum' function below.
13      *
14      * The function is expected to return an INTEGER.
15      * The function accepts INTEGER_ARRAY ar as parameter.
16      */
17
18     public static int simpleArraySum(List<Integer> ar) {
19         // Write your code here
20         int sum = 0;
21         for (int i = 0; i < ar.size(); i++){
22             sum+= ar.get(i);
23         }
24         return sum;
25     }
26 }
27
28
29 public class Solution {
30     public static void main(String[] args) throws IOException {
31         BufferedReader bufferedReader = new BufferedReader(new InputStreamReader(System.
32             in));
```

✓ Sample Test case 0

Input (stdin)

[Download](#)

```
1 6
2 1 2 3 4 10 11
```

Your Output (stdout)

```
1 31
```

Expected Output

[Download](#)

```
1 31
```