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# Walking Robots

locked



by AvmnuSng

Problem

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Submitted a few seconds ago • Score: 30.00

Status: Accepted

|   |               |   |               |   |               |
|---|---------------|---|---------------|---|---------------|
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| ✓ | Test Case #3  | ✓ | Test Case #4  | ✓ | Test Case #5  |
| ✓ | Test Case #6  | ✓ | Test Case #7  | ✓ | Test Case #8  |
| ✓ | Test Case #9  | ✓ | Test Case #10 | ✓ | Test Case #11 |
| ✓ | Test Case #12 | ✓ | Test Case #13 | ✓ | Test Case #14 |
| ✓ | Test Case #15 | ✓ | Test Case #16 | ✓ | Test Case #17 |
| ✓ | Test Case #18 | ✓ | Test Case #19 | ✓ | Test Case #20 |
| ✓ | Test Case #21 | ✓ | Test Case #22 | ✓ | Test Case #23 |
| ✓ | Test Case #24 | ✓ | Test Case #25 | ✓ | Test Case #26 |
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| ✓ | Test Case #30 | ✓ | Test Case #31 | ✓ | Test Case #32 |
| ✓ | Test Case #33 | ✓ | Test Case #34 | ✓ | Test Case #35 |

## Submitted Code

Language: C#

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```
1 using System;
2 using System.Collections.Generic;
3 using System.IO;
4 using System.Linq;
5 class Solution {
6
7     static int howManyCollisions(string s){
8         // Complete this function
9
10        int sum = 0;
11        string nueva = s.Replace("r1", "d");
12        sum += ((s.Length - nueva.Length) * 2);
13
14        string estado = "";
15
16        while (estado != nueva)
17        {
18            estado = nueva;
19            string anterior = nueva;
20            nueva = anterior.Replace("r1", "d");
21            sum += ((anterior.Length - nueva.Length) * 2);
22        }
```

```
23         anterior = nueva;
24         nueva = nueva.Replace("rd", "d");
25         sum += anterior.Length - nueva.Length;
26
27         anterior = nueva;
28         nueva = nueva.Replace("dl", "d");
29         sum += anterior.Length - nueva.Length;
30
31     }
32     //Console.WriteLine(sum);
33     return sum;
34 }
35
36 }
37
38 static void Main(String[] args) {
39     int q = Convert.ToInt32(Console.ReadLine());
40     for(int a0 = 0; a0 < q; a0++){
41         string s = Console.ReadLine();
42         // Returns the number of times moving robots collide.
43         int result = howManyCollisions(s);
44         Console.WriteLine(result);
45     }
46 }
47 }
48 }
```

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