

657. Judge Route Circle

470

378

[Description \(/problems/judge-route-circle/description/\)](/problems/judge-route-circle/description/)[Hints \(/problems/judge-route-circle/description/\)](/problems/judge-route-circle/description/)[Pick One \(/problems/random-one-question/\)](/problems/random-one-question/)

Notes

Initially, there is a Robot at position (0, 0). Given a sequence of its moves, judge if this robot makes a circle, which means it moves back to **the original place**.

The move sequence is represented by a string. And each move is represent by a character. The valid robot moves are R (Right), L (Left), U (Up) and D (down). The output should be true or false representing whether the robot makes a circle.

Example 1:

Input: "UD"**Output:** true

Example 2:

Input: "LL"**Output:** falseSeen this question in a real interview before? **Subscribe** (/subscribe/) to see which companies asked this question.

Related Topics ▾

Similar Questions ▾

Python ▾



```
1 class Solution(object):
2     def judgeCircle(self, moves):
3         countU = countD = countL = countR = 0
4         for i in range(len(moves)):
5             if moves[i] == 'U':
6                 countU +=1
7             if moves[i] == 'D':
8                 countD +=1
```

```
9 |         if moves[i] == 'L':
10 |             countL +=1
11 |         if moves[i] == 'R':
12 |             countR +=1
13 |     if (countU == countD) and (countL == countR):
14 |         return True
15 |     else:
16 |         return False
```

 Notes☐ Custom Testcase ([Contribute](#))[Run Code](#)[Submit Solution](#)

Submission Result: **Accepted** (/submissions/detail/159606121/) ?

[More Details](#) (/submissions/detail/159606121/)

Next challenges: [Friend Circles \(/problems/friend-circles\)](#)

Share your acceptance!

[9](#)[26](#)

Check out our solution!

[Reveal Solution](#) (/articles/judge-route-circle/)