

6114. Move Pieces to Obtain a String

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You are given two strings `start` and `target` , both of length `n` . Each string consists **only** of the characters `'L'` , `'R'` , and `'_'` where:

- The characters `'L'` and `'R'` represent pieces, where a piece `'L'` can move to the **left** only if there is a **blank** space directly to its left, and a piece `'R'` can move to the **right** only if there is a **blank** space directly to its right.
- The character `'_'` represents a blank space that can be occupied by **any** of the `'L'` or `'R'` pieces.

Return `true` if it is possible to obtain the string `target` by moving the pieces of the string `start` **any** number of times. Otherwise, return `false` .

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Medium

Example 1:

Input: `start = "L_R_R_"`, `target = "L____RR"`
Output: `true`
Explanation: We can obtain the string `target` from `start` by doing the following moves:
- Move the first piece one step to the left, `start` becomes equal to `"L__R_R"`.
- Move the last piece one step to the right, `start` becomes equal to `"L__R__R"`.
- Move the second piece three steps to the right, `start` becomes equal to `"L____RR"`.
Since it is possible to get the string `target` from `start`, we return `true`.

Example 2:

Input: `start = "R_L_"`, `target = "__LR"`
Output: `false`
Explanation: The `'R'` piece in the string `start` can move one step to the right to obtain `"_RL_"`. After that, no pieces can move anymore, so it is impossible to obtain the string `target` from `start`.

Example 3:

Input: `start = "_R"`, `target = "R_"`
Output: `false`
Explanation: The piece in the string `start` can move only to the right, so it is impossible to obtain the string `target` from `start`.

Constraints:

- `n == start.length == target.length`
- `1 <= n <= 105`
- `start` and `target` consist of the characters `'L'` , `'R'` , and `'_'` .

JavaScript

kb

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```
1 const canChange = (s, t) => {
2   let d = op(s), d2 = op(t);
3   if (d.length !== d2.length) return false;
4   for (let i = 0; i < d.length; i++) {
5     let [cs, idx] = d[i], [ct, idx2] = d2[i];
6     if (cs !== ct) return false;
7     if (cs === 'L') {
8       if (idx < idx2) return false;
9     } else {
10      if (idx > idx2) return false;
11    }
12  }
13  return true;
14 };
15
16 const op = (s) => {
17   let n = s.length, d = [];
18   for (let i = 0; i < n; i++) {
19     if (s[i] === 'L') {
```

```
20         d.push(['L', i]);
21     } else if (s[i] == 'R') {
22         d.push(['R', i]);
23     }
24 }
25 return d;
26 };
```

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