

# Problem 777: Swap Adjacent in LR String

## Problem Information

**Difficulty:** Medium

**Acceptance Rate:** 37.74%

**Paid Only:** No

**Tags:** Two Pointers, String

## Problem Description

In a string composed of 'L', 'R', and 'X' characters, like `"RXXLRXRXL"`, a move consists of either replacing one occurrence of `"XL"` with `"LX"`, or replacing one occurrence of `"RX"` with `"XR"`. Given the starting string `start` and the ending string `result`, return `True` if and only if there exists a sequence of moves to transform `start` to `result`.

**Example 1:**

**Input:** start = "RXXLRXRXL", result = "XRLXXRRLX" **Output:** true **Explanation:** We can transform start to result following these steps: RXXLRXRXL -> XRXLRXRXL -> XRLXRXRXL -> XRLXXRRXL -> XRLXXRRLX

**Example 2:**

**Input:** start = "X", result = "L" **Output:** false

**Constraints:**

\* `1 <= start.length <= 104` \* `start.length == result.length` \* Both `start` and `result` will only consist of characters in 'L', 'R', and 'X'.

## Code Snippets

C++:

```
class Solution {  
public:  
    bool canTransform(string start, string result) {  
  
    }  
};
```

**Java:**

```
class Solution {  
public boolean canTransform(String start, String result) {  
  
}  
}
```

**Python3:**

```
class Solution:  
    def canTransform(self, start: str, result: str) -> bool:
```