

2337. Move Pieces to Obtain a String

Description

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`.

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 `'_'`.

