125. Valid Palindrome

⏱ Created	@June 23, 2021 9:58 PM
⊘ Difficulty	Easy
☰ LC Url	https://leetcode.com/problems/valid-palindrome/
⊘ Importance	
☰ Tag	Two pointers
☰ Video	

Given a string `s`, determine if it is a palindrome, considering only alphanumeric characters and ignoring cases.

Example 1:

```
Input: s = "A man, a plan, a canal: Panama"
Output: true
Explanation: "amanaplanacanalpanama" is a palindrome.
```

Example 2:

```
Input: s = "race a car"
Output: false
Explanation: "raceacar" is not a palindrome.
```

Constraints:

- `1 <= s.length <= 2 * 10 5`
- `s` consists only of printable ASCII characters.

Solution

```
class Solution:
    def isPalindrome(self, s: str) -> bool:
        left, right = 0, len(s) - 1

        while left < right:
            while left < right and not s[left].isalnum():
                left += 1
            while left < right and not s[right].isalnum():
                right -= 1
            if s[left].lower() != s[right].lower():
                return False
            left += 1
            right -= 1

        return True
```