

## Valid Palindrome II

Try to solve the Valid Palindrome II problem.

### We'll cover the following

- Statement
- Examples
- Understand the problem
- Figure it out!
- Try it yourself

## Statement

Write a function that takes a string as input and checks whether it can be a valid palindrome by removing at most one character from it.

### Constraints:

- $1 \leq \text{string.length} \leq 10^5$
- The string only consists of English letters

## Examples

### Sample example 1

#### Input

Output	A	B	C	E	B	A
--------	---	---	---	---	---	---

#### Output

Output	TRUE
--------	------

1 of 3



## Understand the problem

Let's take a moment to make sure you've correctly understood the problem. The quiz below helps us to check that you're solving the correct problem:

Valid Palindrome II

1

Can "RACEACAR" be a palindrome?



A) Yes
B) No
<div>Submit Answer</div> <div><div>&lt;</div><div>Question 1 of 3 0 attempted</div><div>&gt;</div></div> <div>Reset Quiz ↻</div>

Figure it out!

We have a game for you to play. Rearrange the logical building blocks to develop a clearer understanding on how to solve this problem.

**Note:** As an additional challenge, we have intentionally hidden the solution to this puzzle.

Drag and drop the cards to rearrange them in the correct sequence.

Skip the other element, and check for the palindrome.

If a mismatch occurs, skip one of the elements and check the rest of the string for a palindrome.

If the values at the left and right indexes match, move both toward the middle until they meet.

If no palindrome is obtained, return False, else if no more than one mismatch occurs throughout the traversal, return True.

Initialize two pointers at opposite ends of the string.

Reset

Submit

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# Try it yourself

Implement your solution in `main.java` in the following coding playground. We have provided a useful code template in the other file that you may build on to solve this problem.

**Note:** We have left the solution to this challenge as an exercise for you. You may try to translate the

Java

main.java

TwoPointers.java

```
1 import java.util.*;
2 public class Main{
3     public static boolean isPalindrome(String s) {
4         // Write your code here
5         // Tip: You may use the code template provided
6         // in the TwoPointers.java file
7
8         return false;
9     }
10 }
```

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Test Cases

Results

Case 1

Case 2

Case 3

Input #1

"madame"

Valid Palindrome II

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Solution: Reverse Wor...

Next →

Fast and Slow Pointer...

✓

Mark as Completed

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