Problem 9: Palindrome Number

Problem Information

Difficulty: Easy
Acceptance Rate: 59.89%
Paid Only: No
Tags: Math

Problem Description

Given an integer `x`, return `true` _if_`x` _is a_ _**palindrome**_ _, and_`false` _otherwise_.

Example 1:

Input: x = 121 **Output:** true **Explanation:** 121 reads as 121 from left to right and from right to left.

Example 2:

Input: x = -121 **Output:** false **Explanation:** From left to right, it reads -121. From right to left, it becomes 121-. Therefore it is not a palindrome.

Example 3:

Input: x = 10 **Output:** false **Explanation:** Reads 01 from right to left. Therefore it is not a palindrome.

Constraints:

* `-231 <= x <= 231 - 1`

Follow up: Could you solve it without converting the integer to a string?

Code Snippets

C++:

```
class Solution {
public:
bool isPalindrome(int x) {

}
};
```

Java:

```
class Solution {
public boolean isPalindrome(int x) {

}
}
```

Python3:

```
class Solution:
def isPalindrome(self, x: int) -> bool:
```