PALINDROME OF A LINKED LIST

```
class Solution:
    def isPalindrome(self, head: Optional[ListNode]) -> bool:
        slow, fast = head, head
        while fast and fast.next:
            slow = slow.next
            fast = fast.next.next

        p = None
        q = slow
        while q:
            r = q.next
            q.next = p
            p = q
            q = r

        left, right = head, p
        while right:
            if left.val != right.val:
                return False
            else:
                left = left.next
                right = right.next
        return True
```