

234. Palindrome Linked List

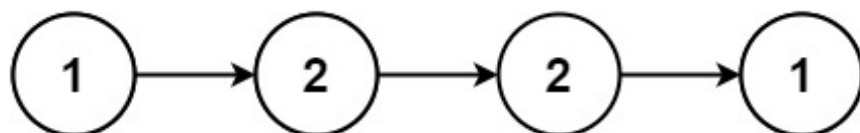
Easy

Topics

Companies

Given the `head` of a singly linked list, return `true` if it is a *palindrome* or `false` otherwise.

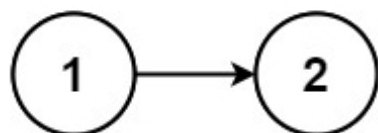
Example 1:



Input: `head = [1,2,2,1]`

Output: `true`

Example 2:



Input: `head = [1,2]`

Output: `false`

Constraints:

- The number of nodes in the list is in the range `[1, 105]`.
- `0 <= Node.val <= 9`

Follow up: Could you do it in `O(n)` time and `O(1)` space?

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todays leetcode program

Palindrome Linked List - LeetCo

leetcode.com/problems/palindrome-linked-list/submissions/1838248318/

Problem List

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Solution

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Runtime

3 ms | Beats 48.49%

Analyze Complexity

Memory

45.01 MB | Beats 28.67%



Runtime (ms)	Percentage (%)
2	40
3	15
4	10
5	15
6	10
7	10
8	10
9	10
10	10
11	10
12	10
13	10
14	10
15	10
16	10
17	10
18	10
19	10
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21	10
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67	10
68	10
69	10
70	10
71	10
72	10
73	10
74	10
75	10
76	10
77	10
78	10
79	10
80	10

Code

C

```
/**
 * Definition for singly-linked list.
 * struct ListNode {
 *     int val;
 *     struct ListNode *next;
 * };
 */
bool isPalindrome(struct ListNode* head) {
```

View more

C

Auto

```
1 /**
2  * Definition for singly-linked list.
3  * struct ListNode {
4  *     int val;
5  *     struct ListNode *next;
6  * };
7  */
8  bool isPalindrome(struct ListNode* head) {
9      int arr[100000];
10     int n=0;
11     struct ListNode* temp=head;
12     while(temp!=NULL){
13         arr[n++]=temp->val;
14         temp=temp->next;
15     }
16     int i=0,j=n-1;
17     while(i<j)
18     {
19         if(arr[i]!=arr[j]){
20             return false;
21         }
22     }
```

Ln 18, Col 5

Testcase

Test Result

Input

head =
[1,2,2,1]

Output

true

Expected

true

Contribute a testcase

Activate Windows
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today's leetcode program

Palindrome Linked List - LeetCode

leetcode.com/problems/palindrome-linked-list/

Problem List

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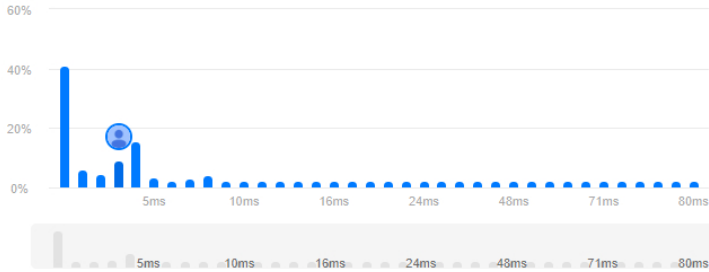
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 *     int val;
 *     struct ListNode *next;
 * };
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View more

Code

C

Auto

```
6  * };
7  */
8  bool isPalindrome(struct ListNode* head) {
9      int arr[100000];
10     int n=0;
11     struct ListNode* temp=head;
12     while(temp!=NULL){
13         arr[n++]=temp->val;
14         temp=temp->next;
15     }
16     int i=0,j=n-1;
17     while(i<j)
18     {
19         if(arr[i]!=arr[j]){
20             return false;
21         }
22         i++;
23         j--;
24     }
25     return true;
26 }
```

Saved

Ln 18, Col 5

Testcase

Test Result

Input

head =
[1,2]

Output

false

Expected

false

Contribute a testcase

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