

The screenshot shows a code editor interface for a C program. The code defines a singly-linked list structure and a function to find the middle node. The function uses the two-pointer technique where one pointer moves at twice the speed of the other.

```
1 /**
2  * Definition for singly-linked list.
3  * struct ListNode {
4  *     int val;
5  *     struct ListNode *next;
6  * };
7 */
8
9 struct ListNode* middleNode(struct ListNode* head) {
10     struct ListNode *slow = head, *fast = head;
11
12     while (fast != NULL && fast->next != NULL) {
13         slow = slow->next;           // move slow by 1
14         fast = fast->next->next;   // move fast by 2
15     }
16
17     return slow; // slow is now at the middle (second middle if even)
18 }
19
```

The screenshot shows the results of a code submission. The status is "Accepted" with a runtime of 0 ms. Two test cases have been checked: Case 1 and Case 2, both of which are successful.

Accepted Runtime: 0 ms

Case 1 Case 2

Input

```
head =
[1,2,3,4,5]
```

Output

```
[3,4,5]
```

Expected

```
[3,4,5]
```

Testcase | > **Test Result**

Accepted Runtime: 0 ms

Case 1 Case 2

Input

```
head =  
[1,2,3,4,5,6]
```

Output

```
[4,5,6]
```

Expected

```
[4,5,6]
```

 Contribute a testcase