

Middle of the Linked List (/problems/middle-of-the-linked-list/)

Submission Detail

15 / 15 test cases passed.

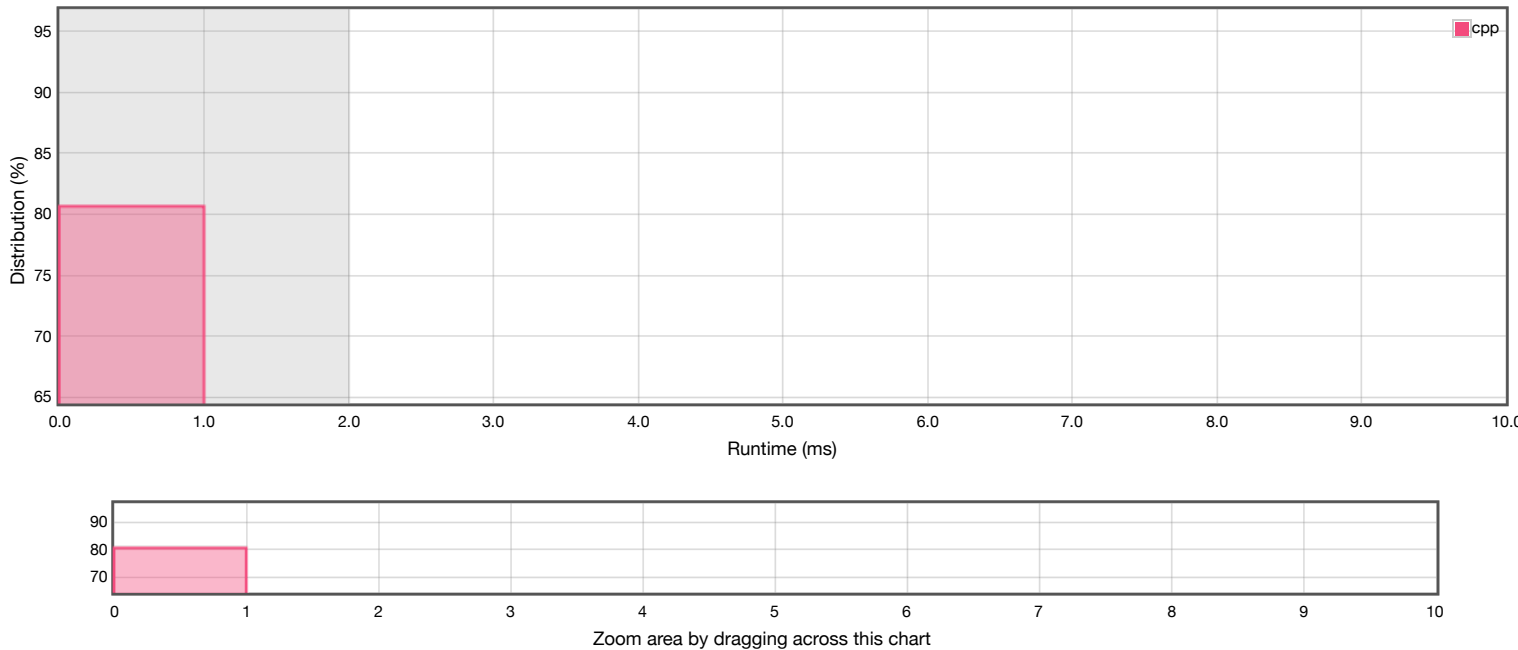
Runtime: 0 ms

Memory Usage: 6.3 MB

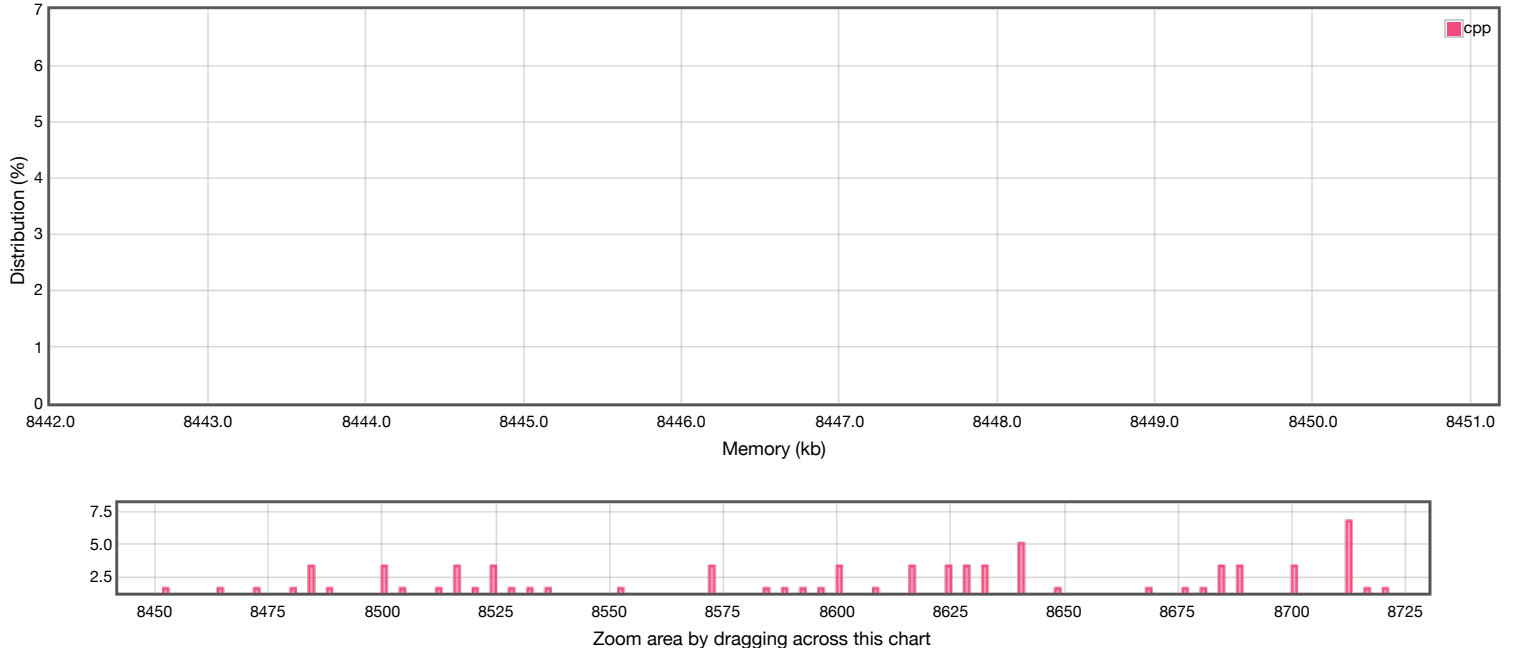
Status: Accepted

Submitted: 0 minutes ago

Accepted Solutions Runtime Distribution



Accepted Solutions Memory Distribution



Invite friends to challenge **Middle of the Linked List**

Submitted Code: 0 minutes ago

Language: cpp

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```
1 /**
2  * Definition for singly-linked list.
3  * struct ListNode {
4  *     int val;
5  *     ListNode *next;
6  *     ListNode(int x) : val(x), next(NULL) {}
7  * };
8  */
9 class Solution {
10 public:
11     ListNode* middleNode(ListNode* head) {
12         ListNode* copy = head;
13         int nodes = 0;
14
15         // Get length of linked list
16         while (copy) {
17             copy = copy->next;
18             nodes++;
19         }
20
21         // Determine middle of list
22         if (nodes % 2 == 0) // Even
23             nodes = (nodes / 2);
24         else // Odd
25             nodes = nodes / 2;
26
27         // Go to middle node
28         while (nodes > 0) {
29             head = head->next;
30             nodes--;
31         }
32
33         return head;
34     }
35 };
```

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