

Add Two Numbers (/problems/add-two-numbers/)

Submission Detail

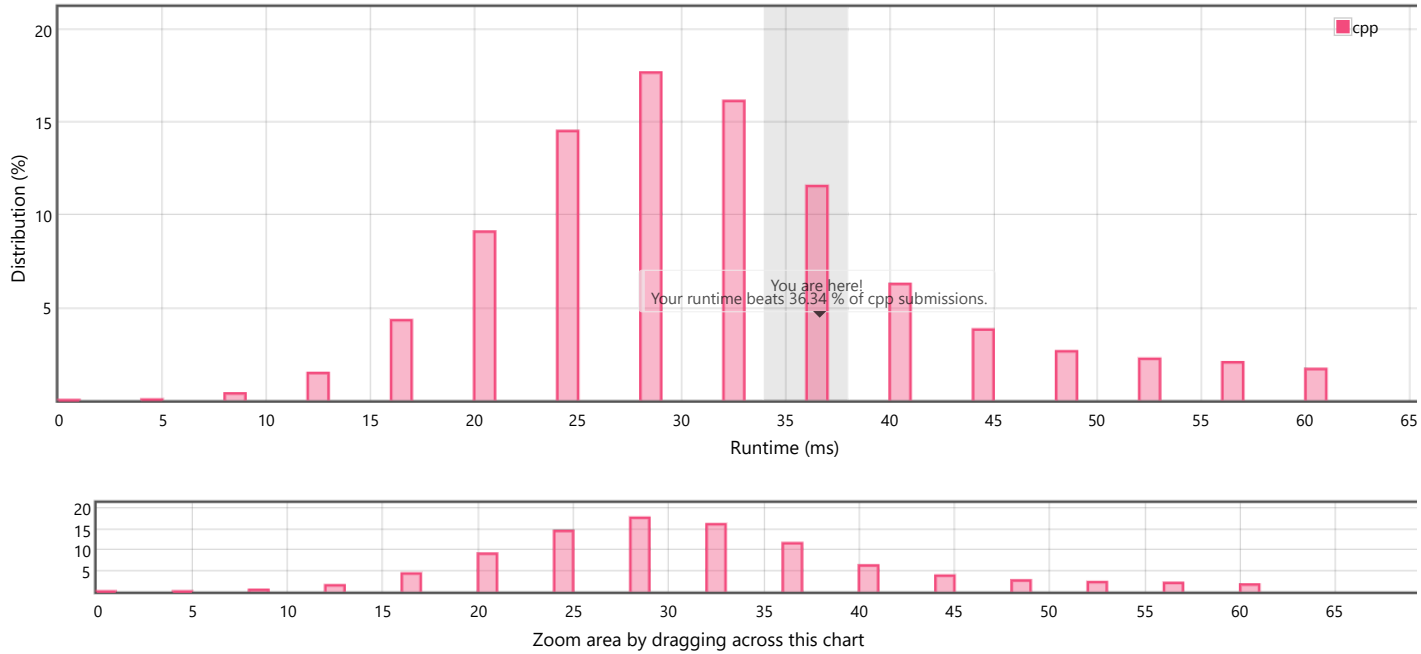
1568 / 1568 test cases passed.

Runtime: **36 ms**
Memory Usage: **71.7 MB**

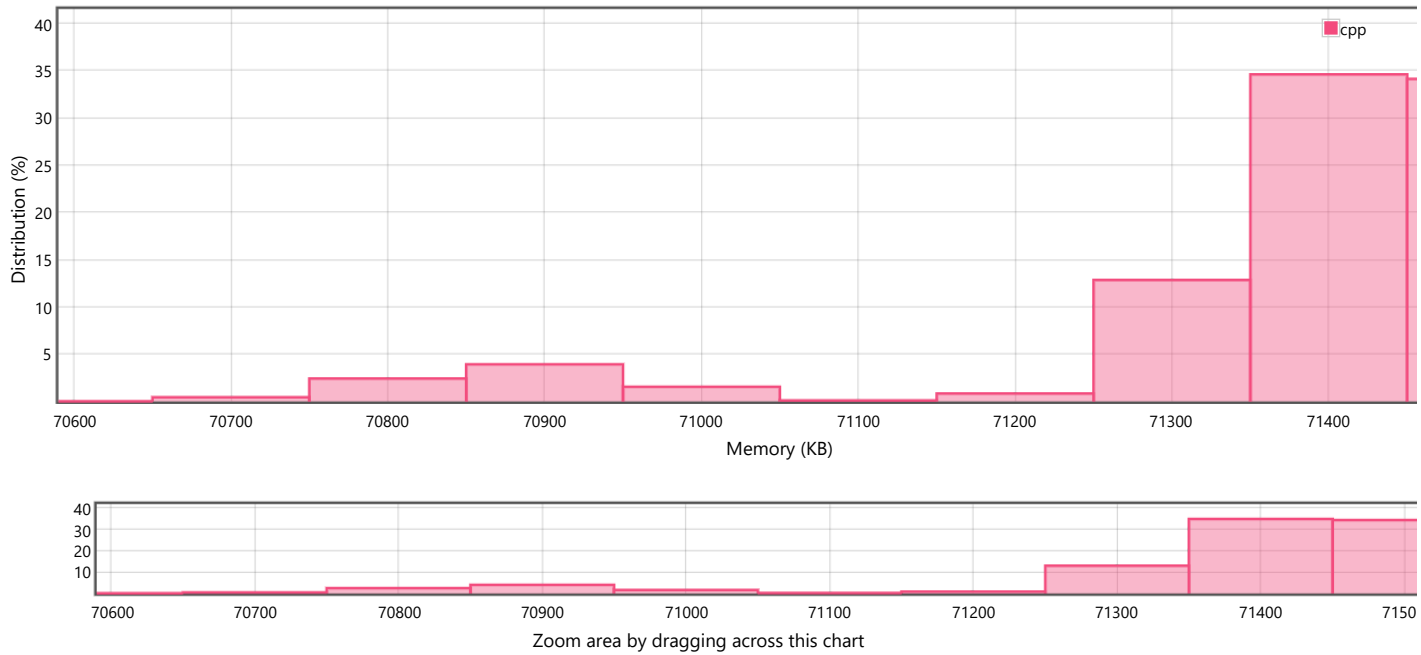
Status: **Accepted**

Submitted: **1 minute ago**

Accepted Solutions Runtime Distribution



Accepted Solutions Memory Distribution



Invite friends to challenge **Add Two Numbers**

130

Submitted Code: 1 minute ago

Language: cpp

Edit Code


```
1 /**
2  * Definition for singly-linked list.
```

```
3  * struct ListNode {
4  *      int val;
5  *      ListNode *next;
6  *      ListNode() : val(0), next(nullptr) {}
7  *      ListNode(int x) : val(x), next(nullptr) {}
8  *      ListNode(int x, ListNode *next) : val(x), next(next) {}
9  * };
10 */
11 class Solution {
12 private:
13     ListNode* Helper(ListNode* l1, ListNode* l2, int carry = 0)
14     {
15         ListNode* ans;
16         int sum = 0;
17
18         if((l1 == NULL) && (l2 == NULL) && (carry == 0))
19             return ans;
20
21         if(l1 != NULL)
22         {
23             sum += l1->val;
24             l1 = l1->next;
25         }
26
27         if(l2 != NULL)
28         {
29             sum += l2->val;
30             l2 = l2->next;
31         }
32
33         sum += carry;
34         ans = new ListNode(sum%10);
35
36         if((l1 != NULL) || (l2 != NULL) || (sum/10 != 0))
37             ans->next = Helper(l1,l2,(sum/10));
38
39         return ans;
40     }
41
42 public:
43     ListNode* addTwoNumbers(ListNode* l1, ListNode* l2) {
44         ListNode* ans = new ListNode();
45
46         ans = Helper(l1,l2,0);
47
48         return ans;
49     }
50 };
```

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