

第一周练习

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T1 LeetCode1 简单

```
class Solution {
public:
    vector<int> twoSum(vector<int>& nums, int target) {
        int n = nums.size();
        for(int i=0;i<n;++i){
            for(int j=i+1;j<n;++j){
                if(nums[i] + nums[j] == target) return {i,j};
            }
        }
        return {};
    }
};
```

Accepted

63 / 63 testcases
passed



Solution

I submitted at Oct 11, 2025 18:37

Runtime



35 ms | Beats **39.21%**

[Analyze Complexity](#)

Memory

14.14 MB | Beats **64.15%**



Code | C++

T2 LeetCode27 简单

```
class Solution {  
public:  
    int removeElement(vector<int>& nums, int val) {  
        int i = 0;  
  
        for (const int num : nums)  
            if (num != val)  
                nums[i++] = num;  
  
        return i;  
    }  
};
```

Accepted

116 / 116 testcases
passed



Solution

lth submitted at Oct 11, 2025 19:03

Runtime

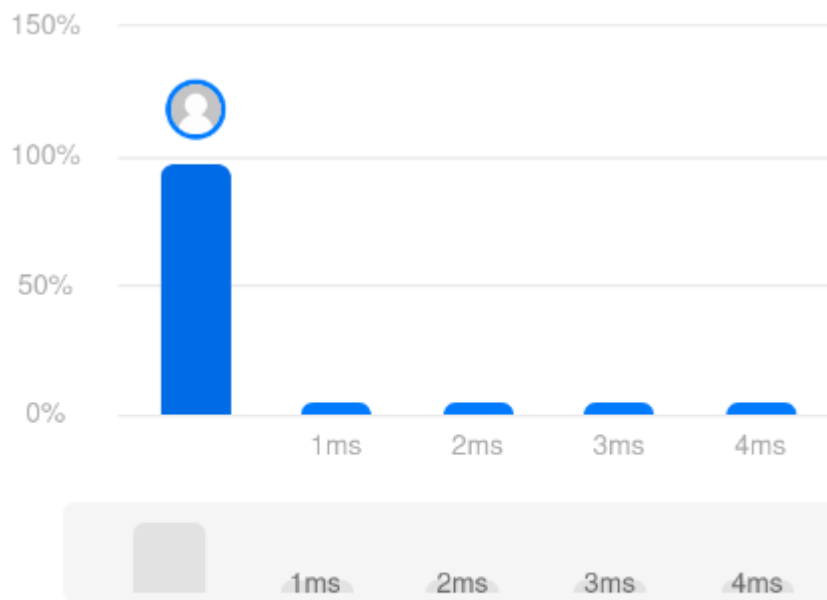


0 ms | Beats **100.00%**

[Analyze Complexity](#)

Memory

11.74 MB | Beats **46.86%**



Code | C++

T3 LeetCode206 中等

```

/**
 * Definition for singly-linked list.
 * struct ListNode {
 *     int val;
 *     ListNode *next;
 *     ListNode() : val(0), next(nullptr) {}
 *     ListNode(int x) : val(x), next(nullptr) {}
 *     ListNode(int x, ListNode *next) : val(x), next(next) {}
 * };
 */
class Solution {
public:
    ListNode* reverseList(ListNode* head) {
        if(head == NULL or head->next == NULL) return head;
        ListNode* newHead = reverseList(head->next);
        head->next->next = head;
        head->next = NULL;
        return newHead;
    }
};

```

Accepted 28 / 28 testcases passed

lth submitted at Oct 11, 2025 19:19



Solution

⌚ Runtime

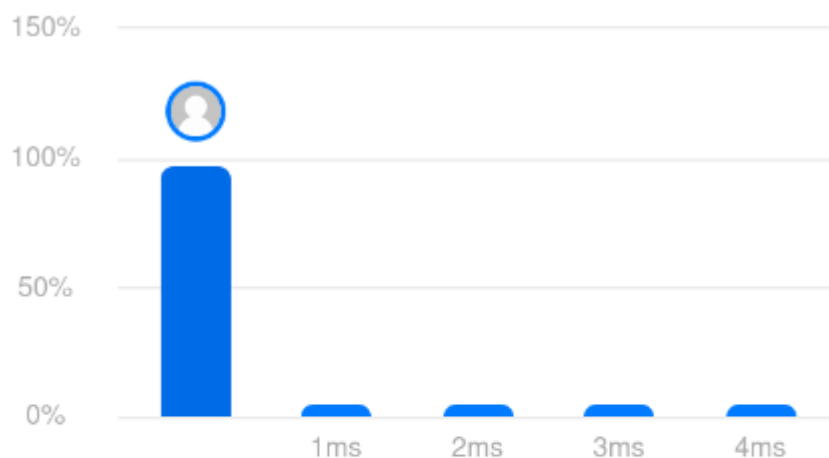


0 ms | Beats 100.00% 🏆

🔮 Analyze Complexity

⚙️ Memory

13.62 MB | Beats 9.63%



Code | C++

T5 LeetCode21 中等

```

/**
 * Definition for singly-linked list.
 * struct ListNode {
 *     int val;
 *     ListNode *next;
 *     ListNode() : val(0), next(nullptr) {}
 *     ListNode(int x) : val(x), next(nullptr) {}
 *     ListNode(int x, ListNode *next) : val(x), next(next) {}
 * };
 */
class Solution {
public:
    ListNode* mergeTwoLists(ListNode* list1, ListNode* list2) {
        if(list1 == NULL or list2 == NULL) return list1 ? list1 : list2;
        if(list1->val > list2->val) swap(list1 , list2);
        list1->next = mergeTwoLists(list1->next , list2);
        return list1;
    }
};

```

Accepted

208 / 208 testcases
passed



Solution

lth submitted at Oct 11, 2025 19:27

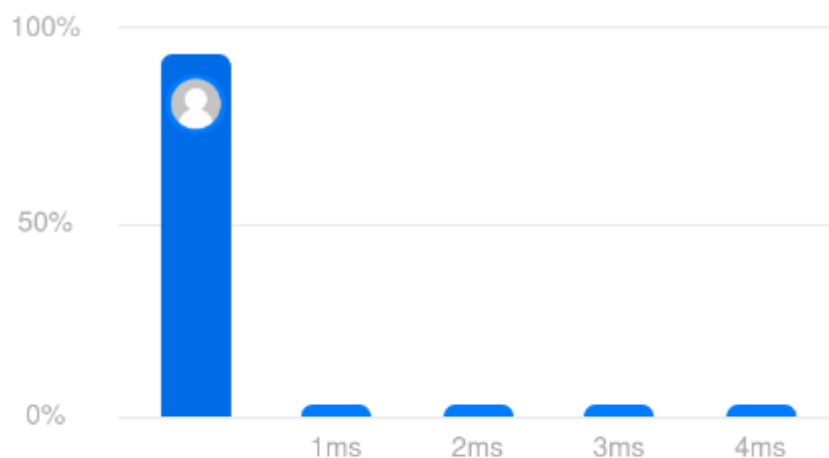
Runtime

0 ms | Beats **100.00%**

[Analyze Complexity](#)

Memory

19.38 MB | Beats **86.73%**



Code | C++

T7 LeetCode42 困难


```
class Solution {
public:
    int trap(vector<int>& height) {
        const int n = height.size();
        int ans = 0;
        vector<int> l(n);
        vector<int> r(n);

        l[0] = height[0];
        r[n-1] = height[n-1];
        for (int i = 1; i < n; ++i)
            l[i] = max(height[i], l[i - 1]);

        for (int i = n - 2; i >= 0; --i)
            r[i] = max(height[i], r[i + 1]);

        for (int i = 0; i < n; ++i)
            ans += min(l[i], r[i]) - height[i];

        return ans;
    }
};
```

Accepted

324 / 324 testcases
passed



Solution

lth submitted at Oct 11, 2025 20:04

Runtime

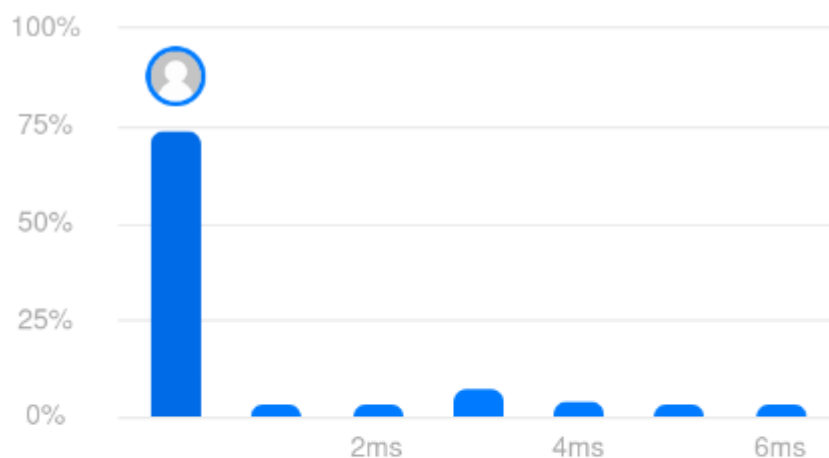


0 ms | Beats **100.00%**

[Analyze Complexity](#)

Memory

27.10 MB | Beats **39.62%**



Code | C++

T8 LeetCode322 困难

```
class Solution {
public:
    int coinChange(vector<int>& coins, int amount) {

        vector<int> dp(amount + 1, amount + 1);
        dp[0] = 0;

        for (int i=1;i<=amount;++i)
            for (const int coin : coins)
                if (coin <= i) dp[i] = min(dp[i],dp[i-coin]+1);

        if(dp[amount] == amount+1) return -1;
        return dp[amount];
    }
};
```

Accepted

189 / 189 testcases
passed



Solution

lth submitted at Oct 11, 2025 20:33

⌚ Runtime

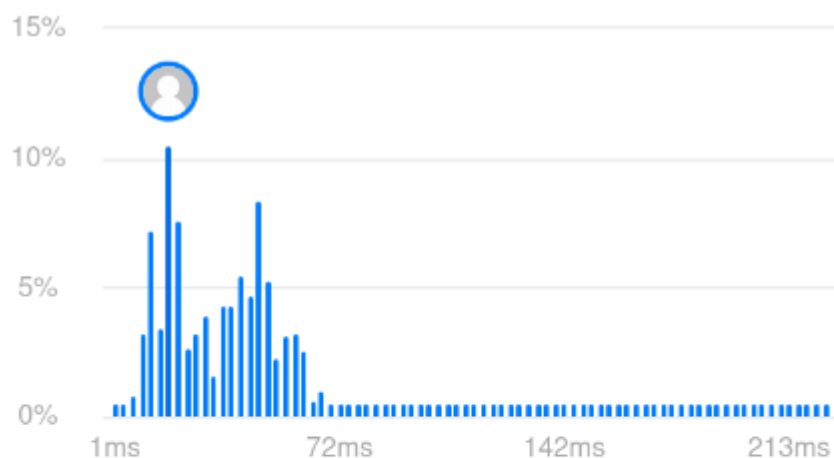


18 ms | Beats **84.52%** 🍃

🔮 [Analyze Complexity](#)

💻 Memory

17.96 MB | Beats **72.96%** 🍃



1ms 72ms 142ms 213ms

Code | C++