(/problems/convert-bst-to-greater-tree/)

Find the Duplicate Number (/problems/find-the-duplicate-number/)
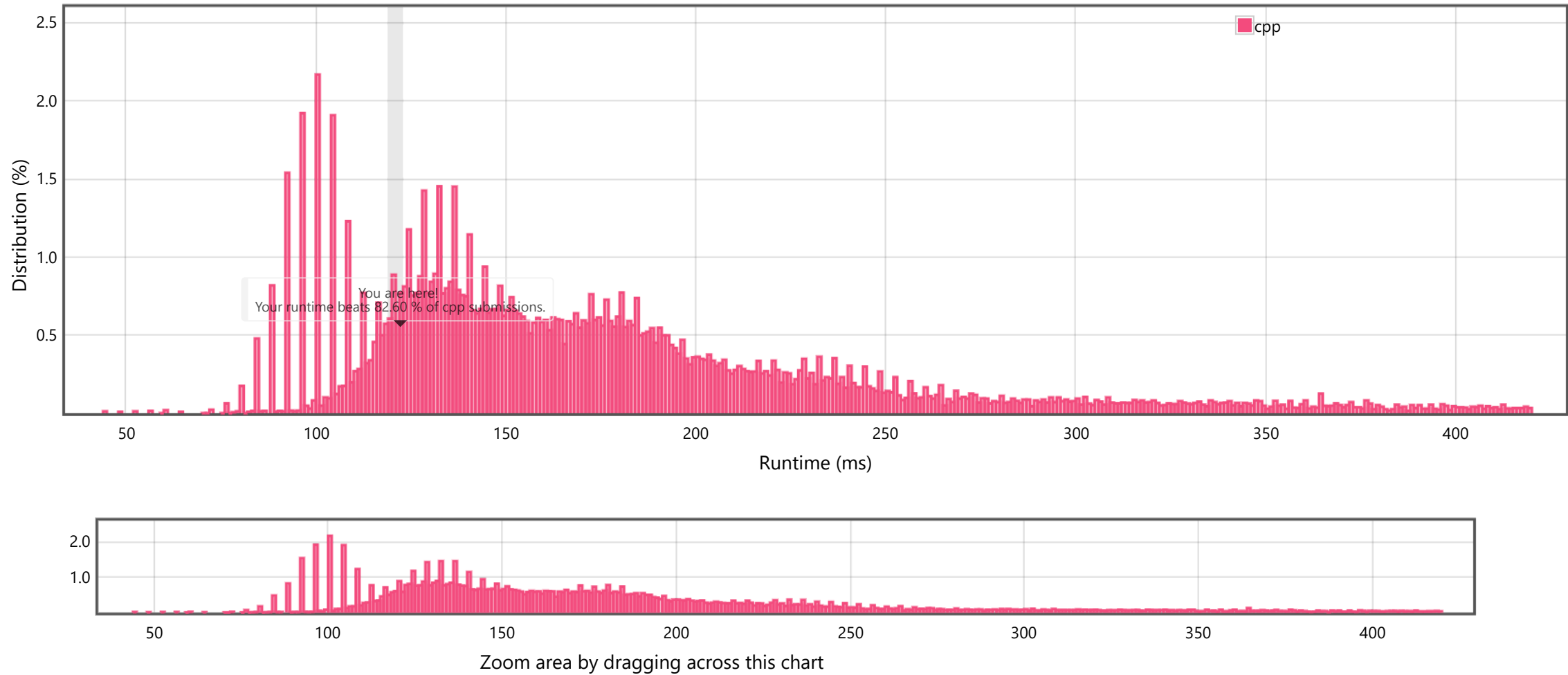
Submission Detail

58 / 58 test cases passed.

Runtime: **121 ms**
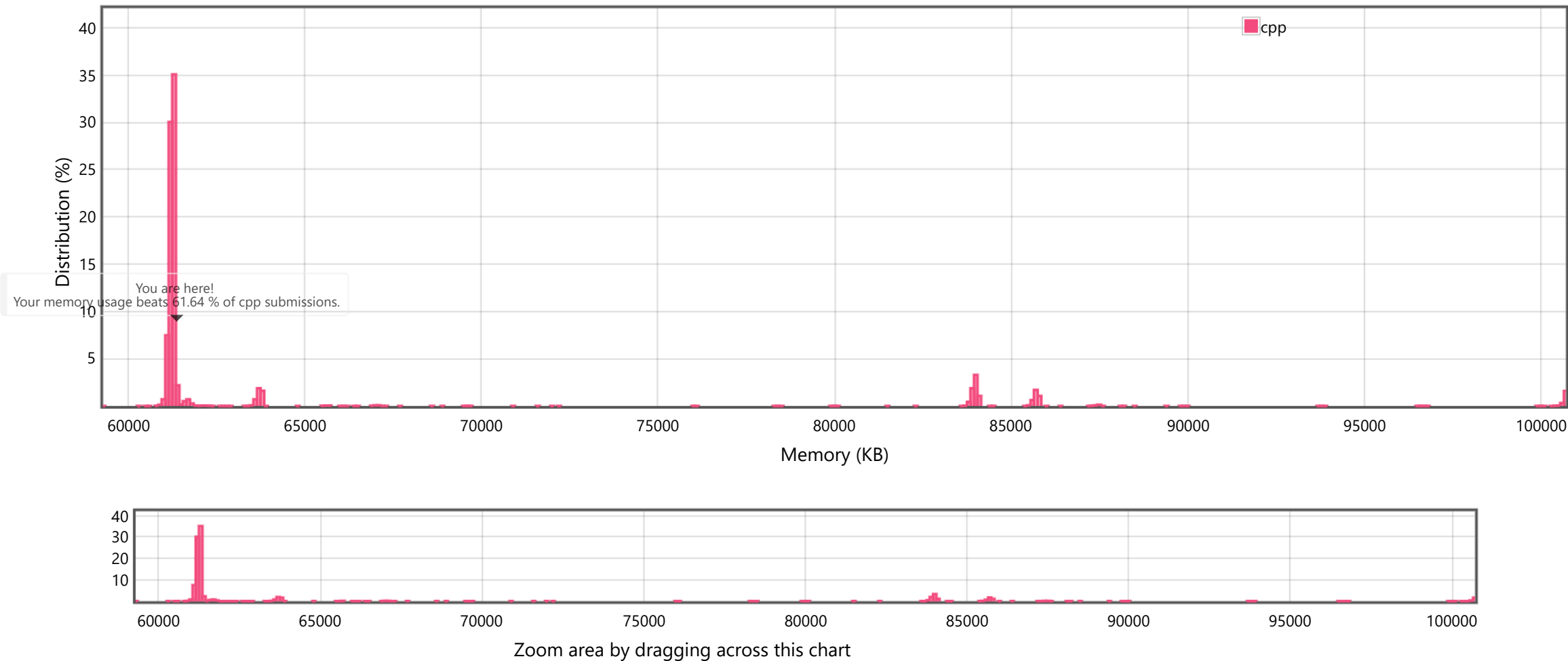Memory Usage: **61.3 MB**

Status: **Accepted**

Submitted: **0 minutes ago**

Accepted Solutions Runtime Distribution

Accepted Solutions Memory Distribution

Invite friends to challenge **Find the Duplicate Number**

◁ **23**

Submitted Code: 0 minutes ago

Language: cpp

Edit Code

```cpp
class Solution {
public:
    void swap(vector<int>& nums, int i, int j){
        int temp = nums[i];
        nums[i] = nums[j];
        nums[j] = temp;
    }
    int findDuplicate(vector<int>& nums) {
        int i = 0;
        int n = nums.size();
        while(i < n){
            while(nums[i] != (i + 1) and nums[i] != nums[nums[i] - 1])
                swap(nums, i, nums[i] - 1);
            i++;
        }
        for(int k = 0; k < n; k++){
            //cout << nums[k] << " ";
            if(nums[k] != (k + 1))
                return nums[k];
        }
        return -1;
    }
};
```

Back to problem (/problems/find-the-duplicate-number/)

Copyright © 2022 LeetCode   Help Center (/support) | Jobs (/jobs) | Bug Bounty (/bugbounty) | Online Interview (/interview/) | Students (/student) | Terms (/terms) | Privacy Policy (/privacy)

United States (/region)