Maximum Binary Tree (/problems/maximum-binary-tree/)

Submission Detail

107 / 107 test cases passed.

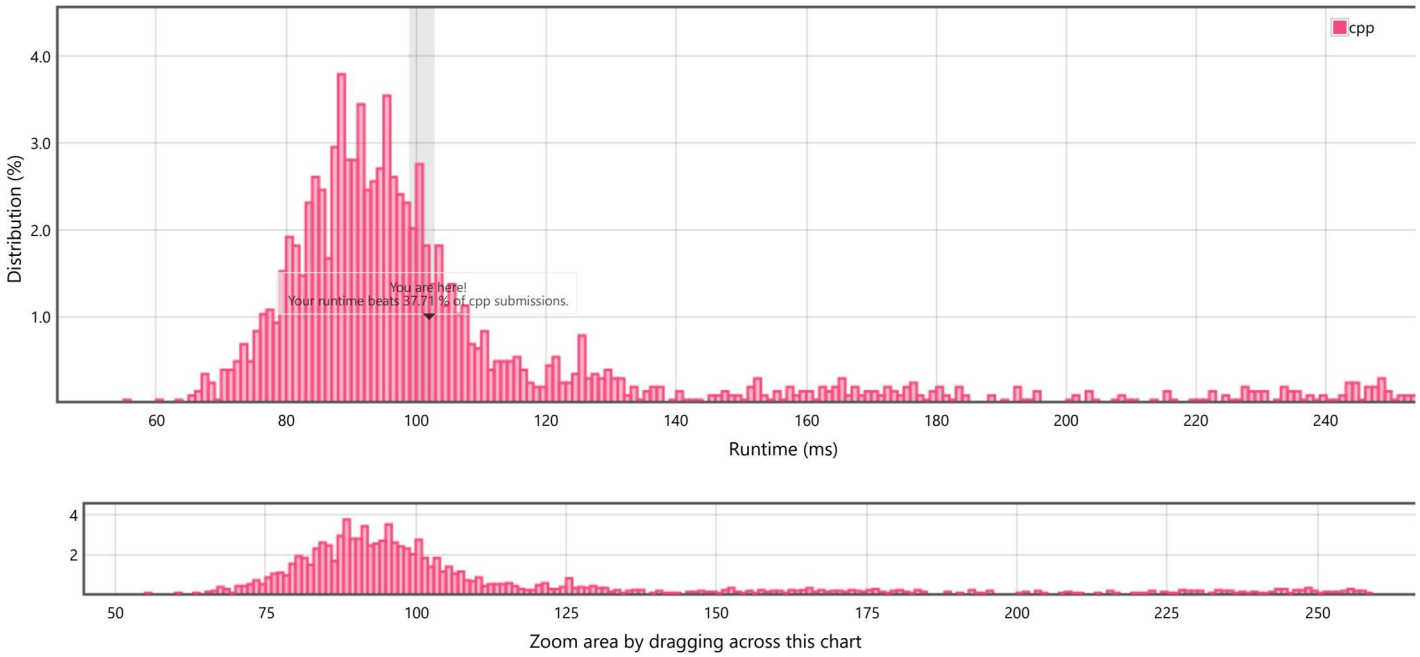
Status: Accepted

Runtime: **101 ms**

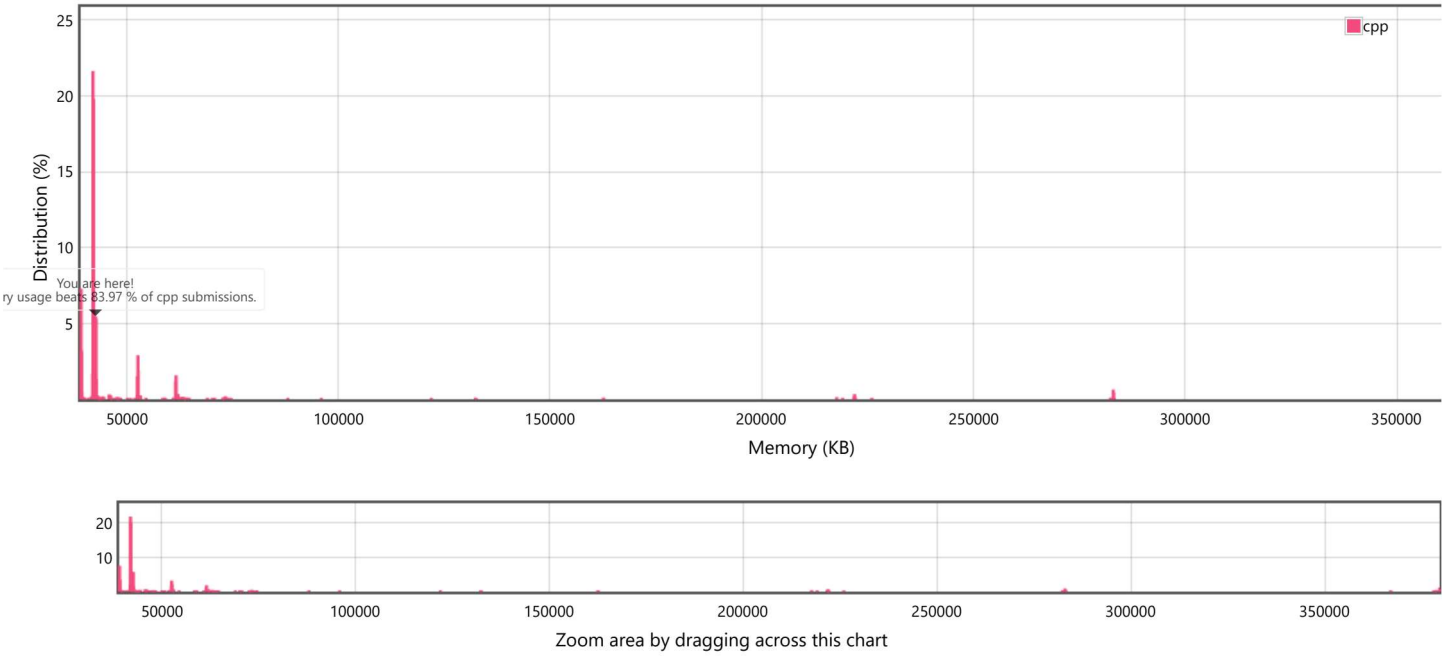
Memory Usage: **42.1 MB**

Submitted: **2 minutes ago**

Accepted Solutions Runtime Distribution



Accepted Solutions Memory Distribution



Invite friends to challenge **Maximum Binary Tree**

Submitted Code: 2 minutes ago

Language: cpp

Edit Code

```
1
2  class Solution {
3  public:
```

```
    TreeNode* genNode(vector<int>& nums, int start, int end){
        int max = -1;
        int max_index;

        if (end < start || start > end) {
            return nullptr;

        }else {
            for (int i = start; i <= end; ++i) {
                if (nums[i] > max) {
                    max = nums[i];
                    max_index = i;
                }
            }

            struct TreeNode* node = new TreeNode(max, genNode(nums, start, max_index - 1), genNode(nums, max_index + 1, end));

            return node;

        }
    }


    TreeNode* constructMaximumBinaryTree(vector<int>& nums) {
        struct TreeNode* head = genNode(nums, 0, nums.size()-1);

        return head;
    }
};
```

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