

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

Submission Detail

107 / 107 test cases passed.

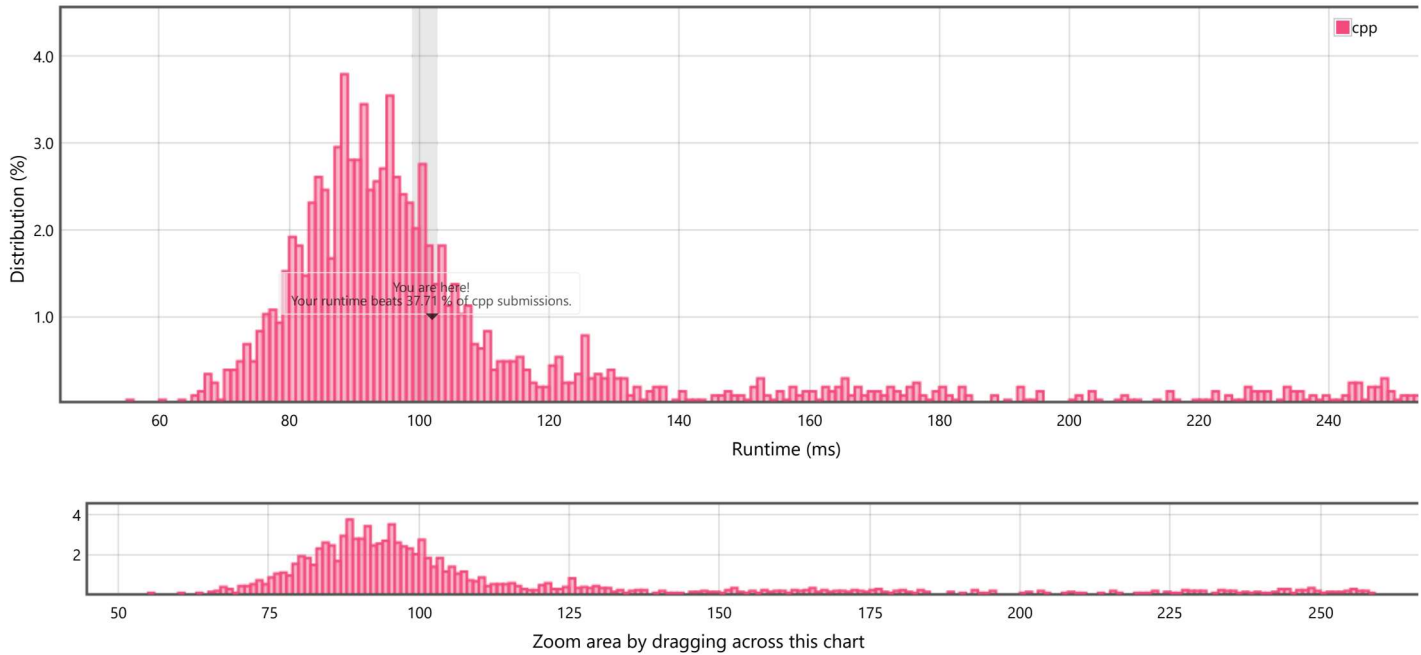
Runtime: 101 ms

Memory Usage: 42.1 MB

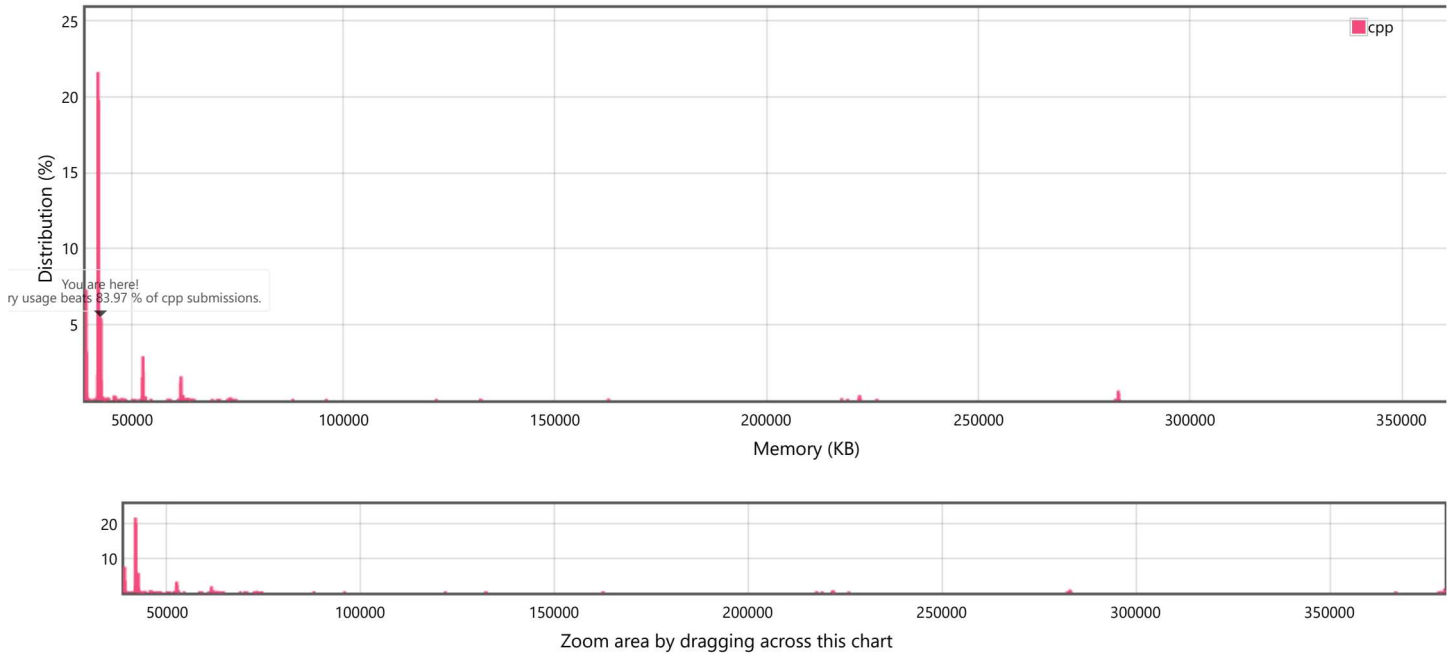
Status: Accepted

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 class Solution {
2 public:
```

```
4     TreeNode* genNode(vector<int>& nums, int start, int end){
5         int max = -1;
6         int max_index;
7
8         if (end < start || start > end) {
9             return nullptr;
10
11         }else {
12             for (int i = start; i <= end; ++i) {
13                 if (nums[i] > max) {
14                     max = nums[i];
15                     max_index = i;
16                 }
17             }
18
19             struct TreeNode* node = new TreeNode(max, genNode(nums, start, max_index - 1), genNode(nums, max_index + 1, end));
20
21             return node;
22
23         }
24     }
25
26     TreeNode* constructMaximumBinaryTree(vector<int>& nums) {
27         struct TreeNode* head = genNode(nums, 0, nums.size()-1);
28
29         return head;
30     }
31 }
```

};

[Back to problem \(/problems/maximum-binary-tree/\)](/problems/maximum-binary-tree/)

Copyright © 2023 LeetCode

[Help Center \(/support/\)](/support/) | [Jobs \(/jobs/\)](/jobs/) | [Bug Bounty \(/bugbounty/\)](/bugbounty/) | [Online Interview \(/interview/\)](/interview/) | [Students \(/student/\)](/student/) | [Terms \(/terms/\)](/terms/) | [Privacy Policy \(/privacy/\)](/privacy/) [United States \(/region/\)](/region/)