

Delete Node in a BST (/problems/delete-node-in-a-bst/)

Submission Detail

85 / 85 test cases passed.

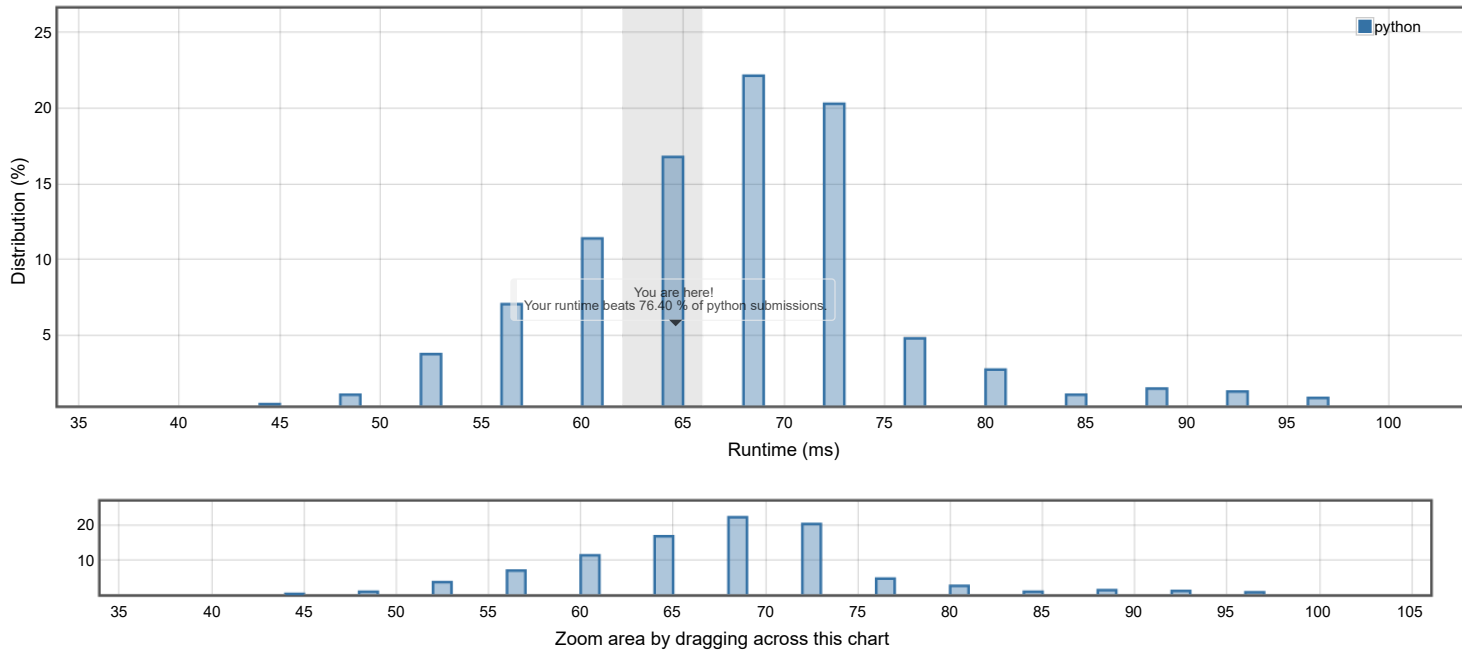
Runtime: 64 ms

Memory Usage: 19.9 MB

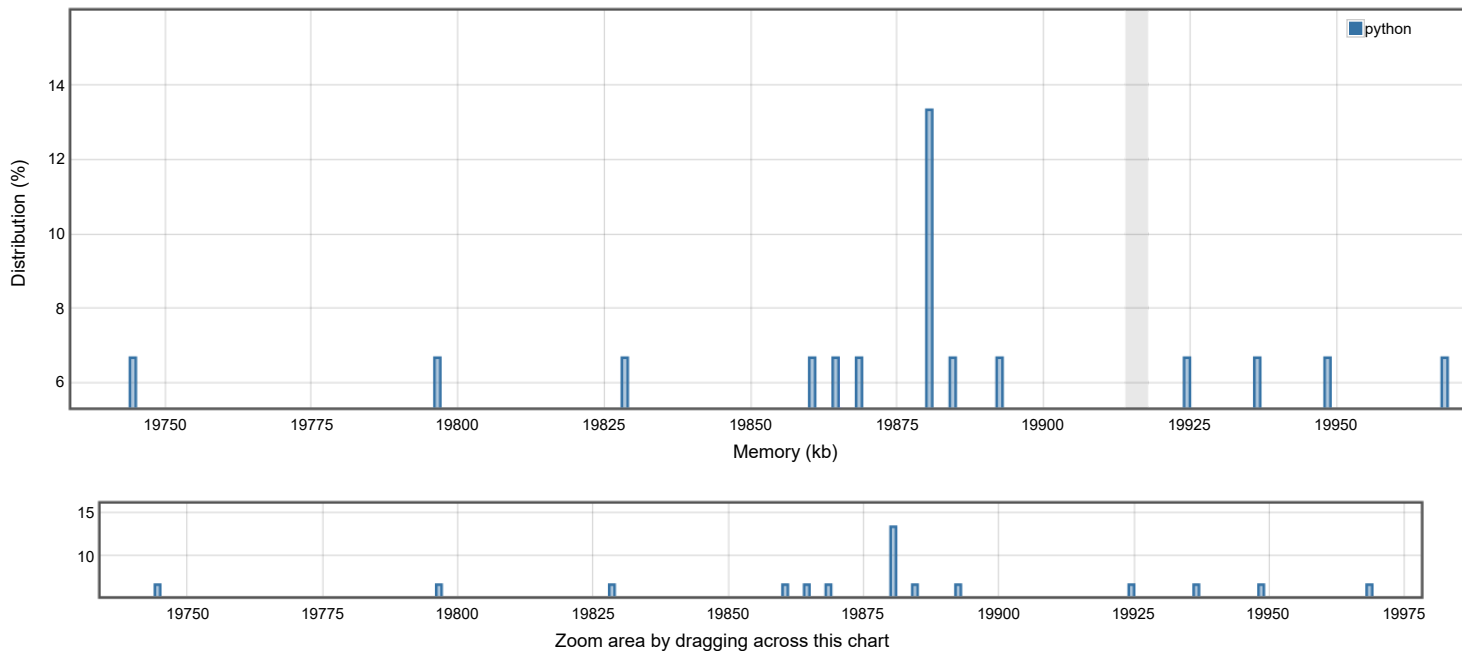
Status: Accepted

Submitted: 2 minutes ago

Accepted Solutions Runtime Distribution



Accepted Solutions Memory Distribution



Invite friends to challenge Delete Node in a BST

Submitted Code: 2 minutes ago

Language: python

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```
1 # Definition for a binary tree node.
2 # class TreeNode(object):
3 #     def __init__(self, x):
4 #         self.val = x
5 #         self.left = None
6 #         self.right = None
7 def pred(root):
8     # intertive
9     while (root.right!= None):
10         root = root.right
11     return root
12 def succ (root):
13     while(root.left != None):
14         root = root.left
15     return root
16
17
18 class Solution(object):
19     def deleteNode(self, root, key):
20
21         """
22         :type root: TreeNode
23         :type key: int
24         :rtype: TreeNode
25         """
26         if root == None:
27             return None
28         if root.val < key:
29             root.right = self.deleteNode(root.right,key)
30         elif root.val >key:
31             root.left = self.deleteNode(root.left , key)
32
33         else:
34             if root.left == None and root.right == None:
35                 root = None
36             elif root.left != None and root.right == None:
37                 node = pred(root.left)
38                 root.val = node.val
39                 root.left = self.deleteNode(root.left , root.val)
40             else:
41                 myNode = succ(root.right)
42                 root.val = myNode.val
43                 root.right = self.deleteNode(root.right,root.val)
44         return root
45
```

[Back to problem \(/problems/delete-node-in-a-bst/\)](/problems/delete-node-in-a-bst/)

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