PA6

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Accepted Solutions Runtime Distribution
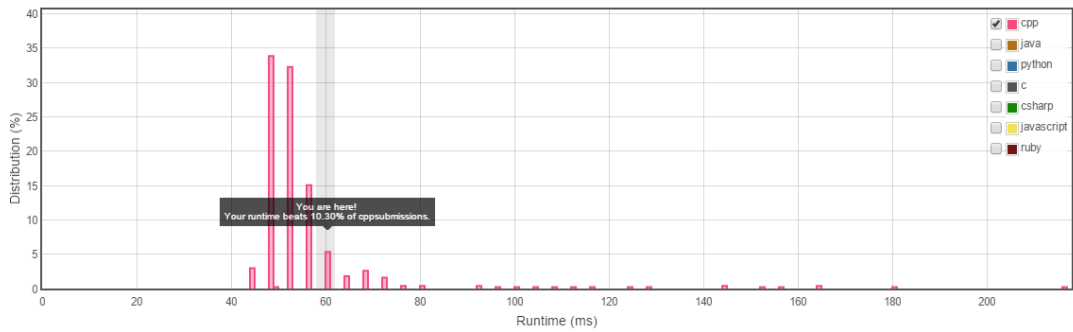
Invite friends to challenge Recover Binary Search Tree！

Code（C++）

```cpp
//二叉树的中序遍历就是升序序列，因此遍历一遍不满足条件的就是要交换的元素

class Solution {
public:
    TreeNode* first;
    TreeNode* second;
    TreeNode* prev;
    int tmp;
    void recoverTree(TreeNode* root) {
        first = NULL;
        second = NULL;
        prev = NULL;
        tmp = INT_MIN;
        inorder(root);
        swap(first->val, second->val);
    }
    //中序遍历
    void inorder(TreeNode* root)
    {
        if(root == NULL){return;}
        //递归左子树
        inorder(root->left);
        //发现错误
        if(root->val<tmp)
        {
            if(first == NULL){
                first = prev;
            }
            second = root;
        }
        //未发现递归右子树
        prev = root;
        tmp= root->val;
        inorder(root->right);
    }
};
```