



```
int find(T x) {
    int low = 0;
    int high = CurrentSize - 1;
    int mid;
    while (low <= high) {
        mid = (low + high) / 2;
        if (Element[mid].data == x)return Element[mid].data;
         if (Element[mid]. data < x)low = mid + 1:
         else high = mid - 1;
    if (mid == CurrentSize - 1 && Element[mid].data < x)return -1;
    if (Element[mid].data < x)return Element[mid + 1].data;</pre>
    else return Element[mid].data;
五/7
□bool isBST(TreeNode* root, int min, int max) {
     if (root->data <= min || root->data >= max) return false;
     else return isBST(root->left, min, root->data) && isBST(root->right, root->data, max);
五/16
⊟bool isBST(TreeNode* root, int min, int max) {
```

```
if (root == NULL) return true;
if (root->data<min || root->data>max) return false;
return isBST(root->left, min, root->data) && isBST(root->right, root->data, max);
```

```
lint height(TreeNode* root) {
     if (root == NULL) return 0;
     int leftheight = height(root->left);
     int rightheight = height(root->right);
     if (leftheight == -1 \mid rightheight == -1 \mid abs(leftheight - rightheight) > 1) return -1;
    return max(leftheight, rightheight) + 1;
|bool isAVL(TreeNode* root) {
    if (!isBST(root, -1000, 1000)) return false;
if (height(root) == -1) return false;
```