Your Solutions

Run Code

```
Solution 1
            Solution 2
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
3 #include <vector>
4 using namespace std;
6 class BST {
7 public:
     int value;
9
     BST *left;
     BST *right;
10
11
12
     BST(int val) {
13
     value = val;
       left = NULL;
14
15
       right = NULL;
16
17
     // Average: O(log(n)) time | O(log(n)) space
18
19
     // Worst: O(n) time | O(n) space
20
     BST &insert(int val) {
       if (val < value) {</pre>
21
22
         if (left == NULL) {
23
           BST *newBST = new BST(val);
           left = newBST;
24
25
         } else {
           left->insert(val);
26
27
28
       } else {
29
         if (right == NULL) {
30
           BST *newBST = new BST(val);
           right = newBST;
31
         } else {
32
```

right->insert(val);

```
Solution 1
            Solution 2
 1 #include <vector>
   using namespace std;
^4\, // Do not edit the class below except for
 6 // Feel free to add new properties and methods
 7 // to the class.
8 class BST {
9 public:
10
    int value;
11
     BST *left;
     BST *right;
12
13
14
     BST(int val) {
15
       value = val;
       left = NULL;
16
17
       right = NULL;
18
19
20
     BST &insert(int val) {
21
       // Write your code here.
       // Do not edit the return statement of this method.
23
       return *this;
24
25
26
     bool contains(int val) {
27
       // Write your code here.
28
       return false;
29
30
31
     BST &remove(int val) {
32
       // Write your code here.
       // Do not edit the return statement of this method.
33
```

33

Run Code

