

PromptScratchpadOur Solution(s)Video Explanation

Run Code

Solution 1Solution 2

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 using System.Collections.Generic;
4
5 public class Program {
6     // O(n^2) time | O(n^2) space - where n is the number of
7     // nodes in each array, respectively
8     public static bool SameBsts(List<int> arrayOne, List<int> arrayTwo) {
9         if (arrayOne.Count != arrayTwo.Count) return false;
10
11         if (arrayOne.Count == 0 && arrayTwo.Count == 0) return true;
12
13         if (arrayOne[0] != arrayTwo[0]) return false;
14
15         List<int> leftOne = getSmaller(arrayOne);
16         List<int> leftTwo = getSmaller(arrayTwo);
17         List<int> rightOne = getBiggerOrEqual(arrayOne);
18         List<int> rightTwo = getBiggerOrEqual(arrayTwo);
19
20         return SameBsts(leftOne, leftTwo) && SameBsts(rightOne, rightTwo);
21     }
22
23     public static List<int> getSmaller(List<int> array) {
24         List<int> smaller = new List<int>();
25         for (int i = 1; i < array.Count; i++) {
26             if (array[i] < array[0]) smaller.Add(array[i]);
27         }
28         return smaller;
29     }
30
31     public static List<int> getBiggerOrEqual(List<int> array) {
32         List<int> biggerOrEqual = new List<int>();
33         for (int i = 1; i < array.Count; i++) {
34             if (array[i] >= array[0]) biggerOrEqual.Add(array[i]);
35         }
36         return biggerOrEqual;
37     }
38 }
39
```