

PromptScratchpadOur Solution(s)Video Explanation

Run Code

Solution 1Solution 2

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