Solution 1 Solution 2

33

Solution 1 Solution 2 Solution 3

Our Solution(s)

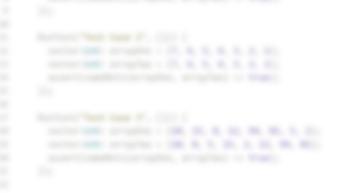
```
Run Code
```

```
Your Solutions
```

Run Code

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
   #include <vector>
   using namespace std;
   bool areSameBsts(vector<int> arrayOne, vector<int> arrayTwo, int root
                    int rootIdxTwo, int minVal, int maxVal);
9 int getIdxOfFirstSmaller(vector<int> array, int startingIdx, int minVa
10 int getIdxOfFirstBiggerOrEqual(vector<int> array, int startingIdx, int
11
12 // O(n^2) time | O(d) space - where n is the number of
13 // nodes in each array, respectively, and d is the depth
14 // of the BST that they represent
15 bool sameBsts(vector<int> arrayOne, vector<int> arrayTwo) {
16
     return areSameBsts(arrayOne, arrayTwo, 0, 0, INT_MIN, INT_MAX);
17
18
19
   bool areSameBsts(vector<int> arrayOne, vector<int> arrayTwo, int rootI
20
                   int rootIdxTwo, int minVal, int maxVal) {
21
     if (rootIdxOne == -1 || rootIdxTwo == -1)
22
       return rootIdxOne == rootIdxTwo;
24
     if (arrayOne[rootIdxOne] != arrayTwo[rootIdxTwo])
       return false;
26
27
     int leftRootIdxOne = getIdxOfFirstSmaller(arrayOne, rootIdxOne, minV
28
     int leftRootIdxTwo = getIdxOfFirstSmaller(arrayTwo, rootIdxTwo, minV
29
     int rightRootIdxOne =
30
         getIdxOfFirstBiggerOrEqual(arrayOne, rootIdxOne, maxVal);
31
     int rightRootIdxTwo =
         getIdxOfFirstBiggerOrEqual(arrayTwo, rootIdxTwo, maxVal);
```

```
1 #include <vector>
2
3 using namespace std;
4
5 bool sameBsts(vector<int> arrayOne, vector<int> arrayTwo) {
6   // Write your code here.
7   return false;
8 }
9
```



Run or submit code when you're ready.