AlgoExpert

Solution 1

Quad Layout

JavaScript

12px

Sublime

Solution 1 Solution 2 Solution 3

Monokai

00:00:

Our Solution(s)

Run Code

Your Solutions

```
Run Code
```

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
    // O(nlog(n) + mlog(m)) time | O(1) space
    function \ smallestDifference(arrayOne, \ arrayTwo) \ \{
     arrayOne.sort((a, b) => a - b);
      arrayTwo.sort((a, b) => a - b);
      let idxOne = 0;
      let idxTwo = 0;
      let smallest = Infinity;
      let current = Infinity;
      let smallestPair = [];
12
      while (idxOne < arrayOne.length && idxTwo < arrayTwo.length) {</pre>
13
       let firstNum = arrayOne[idxOne];
        let secondNum = arrayTwo[idxTwo];
14
15
       if (firstNum < secondNum) {</pre>
16
         current = secondNum - firstNum;
         idxOne++;
        } else if (secondNum < firstNum) {</pre>
18
19
         current = firstNum - secondNum;
          idxTwo++;
20
        } else {
         return [firstNum, secondNum];
22
        if (smallest > current) {
24
25
          smallest = current;
26
          smallestPair = [firstNum, secondNum];
27
28
29
      return smallestPair;
30 }
31
```

32 exports.smallestDifference = smallestDifference;

```
1 function smallestDifference(arrayOne, arrayTwo) {
   // Write your code here.
6 exports.smallestDifference = smallestDifference;
```

Custom Output Raw Output Submit Code

Run or submit code when you're ready.