

Our Solution(s)		Run Code	Your Solutions			Run Code
Solution 1			Solution 1	Solution 2	Solution 3	
<pre>1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved. 2 3 // O(nlog(n) + mlog(m)) time O(1) space 4 function smallestDifference(arrayOne, arrayTwo) { 5 arrayOne.sort((a, b) => a - b); 6 arrayTwo.sort((a, b) => a - b); 7 let idxOne = 0; 8 let idxTwo = 0; 9 let smallest = Infinity; 10 let current = Infinity; 11 let smallestPair = []; 12 while (idxOne < arrayOne.length && idxTwo < arrayTwo.length) { 13 let firstNum = arrayOne[idxOne]; 14 let secondNum = arrayTwo[idxTwo]; 15 if (firstNum < secondNum) { 16 current = secondNum - firstNum; 17 idxOne++; 18 } else if (secondNum < firstNum) { 19 current = firstNum - secondNum; 20 idxTwo++; 21 } else { 22 return [firstNum, secondNum]; 23 } 24 if (smallest > current) { 25 smallest = current; 26 smallestPair = [firstNum, secondNum]; 27 } 28 } 29 return smallestPair; 30 } 31 32 exports.smallestDifference = smallestDifference; 33</pre>			<pre>1 function smallestDifference(arrayOne, arrayTwo) { 2 // Write your code here. 3 } 4 5 // Do not edit the line below. 6 exports.smallestDifference = smallestDifference; 7</pre>			

