Our Solution(s) Run Code

Solution 1

```java
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class Program {
  // O(n) time | O(1) space
  public static int[] subarraySort(int[] array) {
    int minOutOfOrder = Integer.MAX_VALUE;
    int maxOutOfOrder = Integer.MIN_VALUE;
    for (int i = 0; i < array.length; i++) {
      int num = array[i];
      if (isOutOfOrder(i, num, array)) {
        minOutOfOrder = Math.min(minOutOfOrder, num);
        maxOutOfOrder = Math.max(maxOutOfOrder, num);
      }
    }
    if (minOutOfOrder == Integer.MAX_VALUE) {
      return new int[] {-1, -1};
    }
    int subarrayLeftIdx = 0;
    while (minOutOfOrder >= array[subarrayLeftIdx]) {
      subarrayLeftIdx++;
    }
    int subarrayRightIdx = array.length - 1;
    while (maxOutOfOrder <= array[subarrayRightIdx]) {
      subarrayRightIdx--;
    }
    return new int[] {subarrayLeftIdx, subarrayRightIdx};
  }

  public static boolean isOutOfOrder(int i, int num, int[] array) {
    if (i == 0) {
      return num > array[i + 1];
    }
    if (i == array.length - 1) {
```

Your Solutions Run Code

Solution 1 Solution 2 Solution 3

```java
class Program {
  public static int[] subarraySort(int[] array) {
    // Write your code here.
    return null;
  }
}

```

Our Tests

Custom Output Submit Code

```
    Utils.assertTrue(Arrays.equals(Program.subarraySum(new int[] {1,
  }

  @Test
  public void TestCase2() {
    int[] expected = {0, 1};
    Utils.assertTrue(Arrays.equals(Program.subarraySum(new int[] {1,
  }

  @Test
  public void TestCase3() {
    int[] expected = {3, 8};
    Utils.assertTrue(
        Arrays.equals(
            Program.subarraySum(new int[] {1, 2, 4, 7, 10, 11, 7, 12
```

Run or submit code when you're ready.