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Solution 1

Our Solution(s)

```
Run Code
```

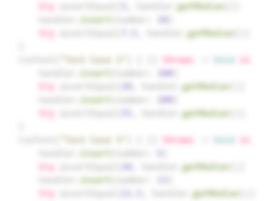
Your Solutions

Solution 1 Solution 2 Solution 3

```
Run Code
```

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
3 class Program {
4
       class ContinuousMedianHandler {
           var median: Double
           var lowers: Heap
           var greaters: Heap
7
8
9
           init() {
10
               median = 0.0
11
12
               lowers = Heap(array: [], comparisonFunction: Program.maxHe
               greaters = Heap(array: [], comparisonFunction: Program.mir
14
           func getMedian() -> Double {
16
17
               return median
18
19
20
           // O(log(n)) time | O(n) space
           func insert(number: Int) {
21
                if lowers.length == 0 || number < Int(lowers.peek()) {</pre>
                    lowers.insert(value: number)
                    greaters.insert(value: number)
26
27
28
               rebalanceHeaps()
29
                updateMedian()
30
           }
31
            func rebalanceHeaps() {
33
                if lowers.length - greaters.length == 2 {
```

```
1 class Program {
       class ContinuousMedianHandler {
           var median: Double
           // Feel free to add fields and methods.
           init() {
               median = 0.0
               // Write your code here
9
10
11
           func getMedian() -> Double {
12
               return median
13
14
           func insert(number: Int) {
16
               // Write your code here.
17
18
19 }
20
```



Run or submit code when you're ready.