

[illegible]

When I try to find the value more than half way into the list, this error occurs, which looks like an infinite recursion.

```
int midIndex1 = (start + end)/3;
int midIndex2 = 2*(start + end)/3;
```

Problem was due to how I defined midIndex 2. Because I am doing int division multiplying by 2 to go $\frac{2}{3}$ into the list does not work all the time because of the fact that int division rounds up or down.

```
int midIndex1 = (start + end)/3;  
int midIndex2 = end - (end-start)/3;
```

Fixed by redefining mid index 2 to be $\frac{1}{3}$ of the list left from the end.