```
public static <T> void sort(Queue<T> qthis, Comparator<T> order) {
      if (qthis.length() > 2) {
             Queue<T> temp = new Queue3<T>();
             /*
             * Dequeue the partitioning entry from this
             */
             while (qthis.length() > temp.length()) {
                   temp.enqueue(qthis.dequeue());
             }
             T partitioner = qthis.dequeue();
             temp.enqueue(partitioner);
             while (qthis.length() > 0) {
                   temp.enqueue(qthis.dequeue());
             }
             /*
             * Partition this into two queues as discussed above
             * (you will need to declare and initialize two new queues)
             */
             Queue<T> lower = new Queue3<T>();
             Queue<T> higher = new Queue3<T>();
             // partition queue
             while (temp.length() > 0) {
                   T dequeue = temp.dequeue();
                   if (order.compare(dequeue, partitioner) > 0) {
                          higher.enqueue(dequeue);
```

```
} else {
                          lower.enqueue(dequeue);
                   }
             }
             /*
             * Recursively sort the two queues
             */
             // THIS SHIT DONT WORK!!!!!!!!// THIS SHIT DONT WORK!!!!!!!// THIS
             SHIT DONT WORK!!!!!!!!
             sort(lower, order);
             sort(higher, order);
             /*
             * Reconstruct this by combining the two sorted queues and the
             * partitioning entry in the proper order
             */
             qthis.append(lower);
             qthis.append(higher);
      }
}
```