maintain two priority queues,

- max queue for elements smaller than median.

- min queue for elements greater than median

1. When adding a new number, we need to decide which queue to go.

    to go left: num <= max of max queue

            or num is between max of max queue
                            and min of min queue

2. After insertion, we need to balance two queue

    so that   maxQueue.length $\geq$ minQueue.length

            and maxQueue.length - minQueue.length < 2