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Minimum number of counters needed:

Total reports loaded: 26906

Counters needed: 47 Los Angeles, CA: 47

Total reports loaded: 2706

Counters needed: 15

Orange, FL: 15

Total reports loaded: 24722

Counters needed: 25

Harris, TX: 25

Total reports loaded: 4656

Counters needed: 7

Hamilton, OH: 7

Total reports loaded: 5407

Counters needed: 5 New Castle, DE: 5

Our reading method is of order O(N), since it reads in each line and creates a new report object.

Our sorting method is of the order $O(N^2)$, since it uses the comparator interface to sort the arraylist of reports.

Our method for constructing the queue is of order O(N), since it only loops through the presorted list once to add each report needed to the queue.

Our method for calculating the minimum amount of counters is O(N), since we add to a running sum and remove each item for the queue, and don't have to use any nested loops.