Sorting Competition 2016

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Group 11

Results

- Finished in last place
- Did not sort correctly- handled equidistant points incorrectly
- No problems from correctness analysis (we agree)

Our methods

- Data - arrays of arrays
- We used merge sort, applied to the entire data set
- Worst case running time is O(n log n)
- Array is traversed about sqrt(n) times
- Array is sorted in place, no additional memory

Changes we would have made (other than have it sort correctly)

Original Plan:

- Splitting the data based on which point they were closest to
- Sorting the two sets individually with Mergesort
- Sort the two sorted sets with Insertion Sort for small subarrays