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Alpha: SelectionSort

The complexity is the same in the best and the worst case based on the same comparison.

Only selection sort have both best and average case with O(n^2) complexity.

Beta: InsertionSort

Sorted takes a shorter time and comparison(On), reversed opposite(O(n^2))

Gamma: BubbleSort

When sorting ordered lists, it took less time (linear time), which fit the feature of bubble sort with O(n) on a sorted list.

The time complexity becomes O(n^2) when changing the size of a random list

Delta: QuickSort

Average O(nlogn) based on various datasets, the sorted takes O(n^2) on worst case

Epsilon: CheckSort

It takes longer to run than others, which indicates O(n!) runtime of check sort

Zeta: MergeSort

The complexity is the same in the best and the worst case based on the same comparison
O(nlogn)