Sorting Algorithm name:

Python code for the sorting algorithm with YOUR comments:

Worst case performance:

Best case performance:

Average case performance:

Worst case space complexity:

For each of the following trials, use lists of 10,000 integers. Cut off any trial that takes more than 30 seconds.

Time to sort a list that is already in order:

Time to sort a list that is in reverse order:

Time to sort a shuffled list of unique integers (Use range and random.shuffle):

Time to sort a random list of non-unique integers (Use random.randint(0,10000):

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