4th Project

In the last project in this course, you are asked to write a report about 5 new sorting algorithms. Your final report should include the following:

- A cover page

- Write 1-1.5 page about each sorting algorithm:

    - Write the algorithm (pseudo code) and discuss it.

    - Mention the algorithm properties: time complexity and space complexity and various situations, stability. (All these properties must be discussed when the input data is sorted, semi sorted or sorted in opposite).

    - Give a detailed example that explains each algorithm step by step.

- A summary page comparing the 5 sorting algorithm based on the properties.

- A final page contains the used references reported in a scientific way.

- The following algorithms shouldn't be included in your report:

    - Insertion

    - Selection

    - Bubble

    - Shell

    - Merge

    - Heap

    - Radix

    - Quick

Good Luck!