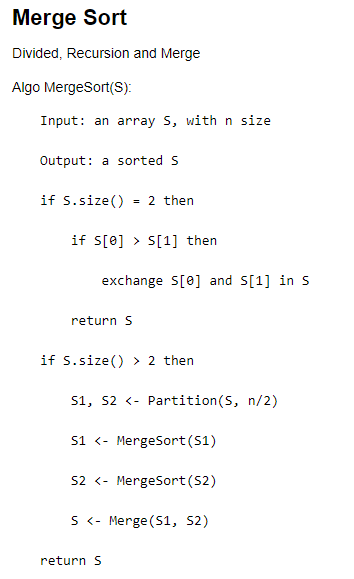
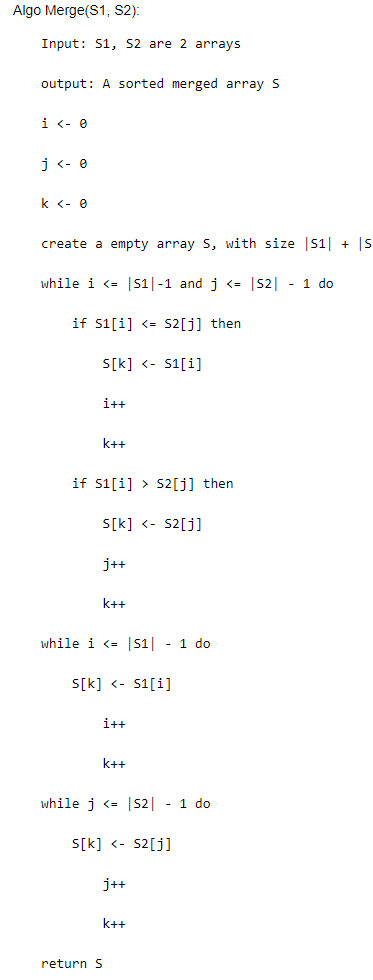
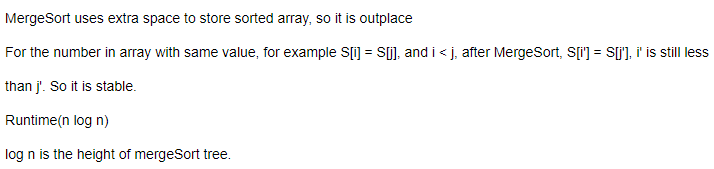
Sorting Algorithms

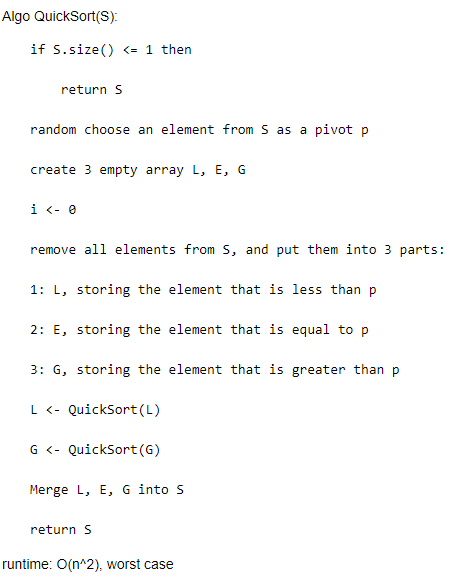
- Merge Sort

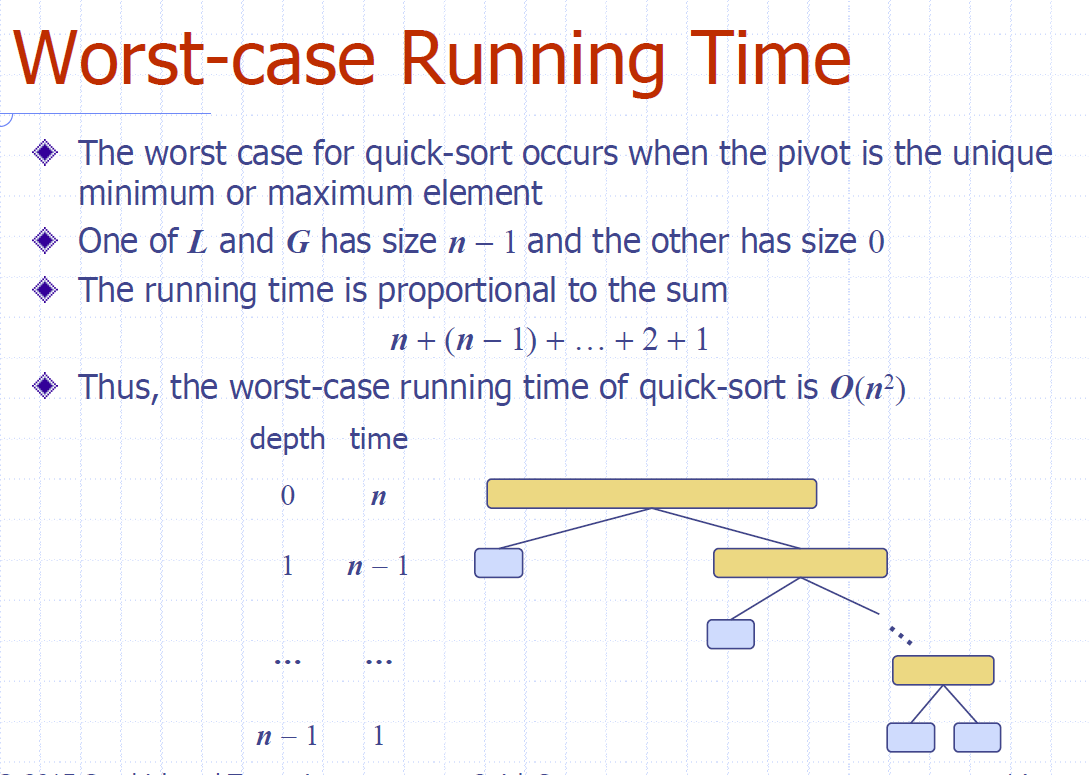






- Quick Sort



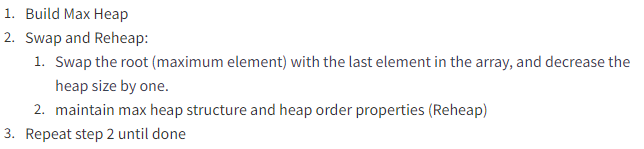


worst case runtime O(n^2) -- When we continue to choose the pivot to be the minimum or maximum element on the subarray.

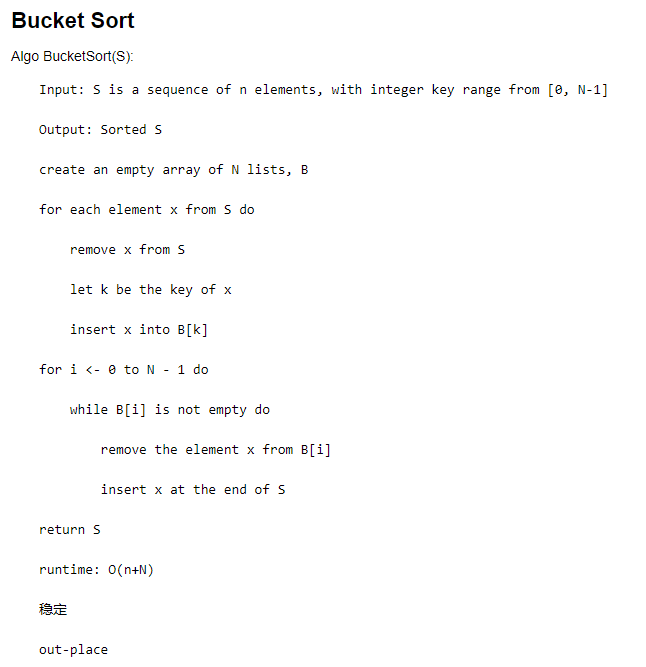
Outplace：L,E,G

不稳定：有多个等于pivot的值，可能都排到pivot后面去了

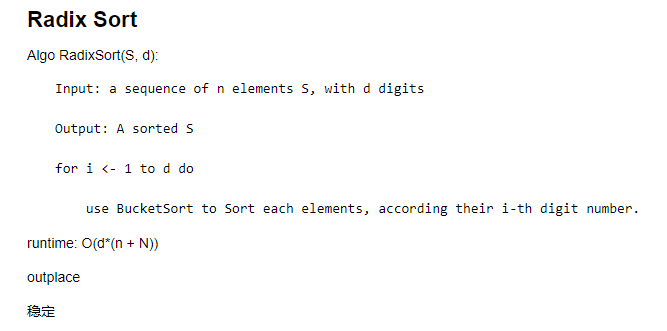
- Heap Sort

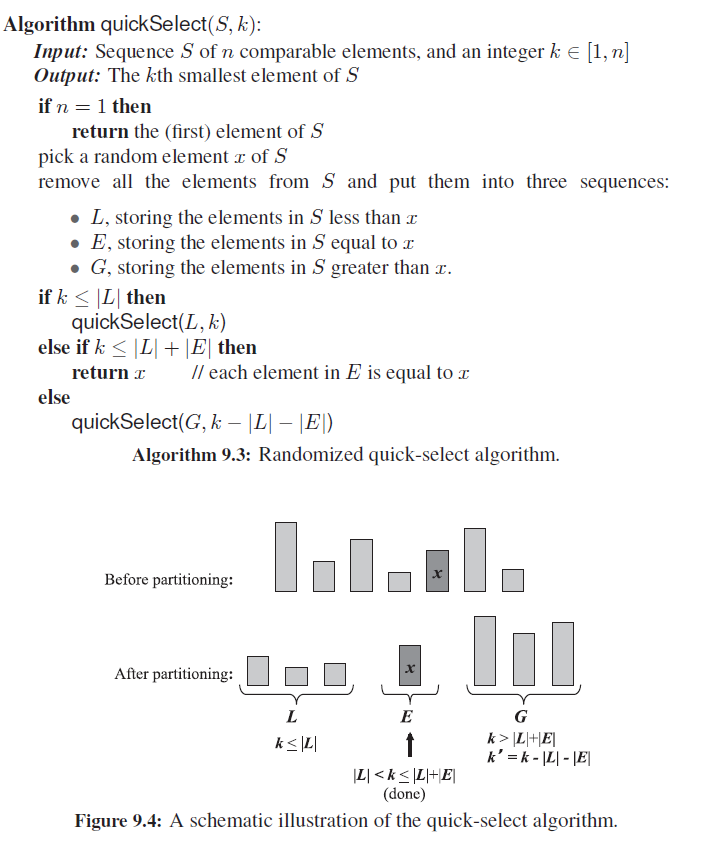


- Bucket Sort

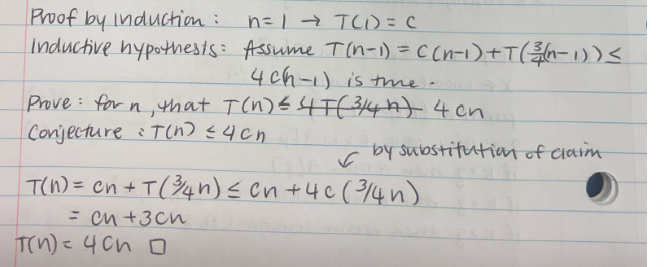


- Radix Sort





不用MOM的Runtime



用MOM情况下的quick Selection Runtime



