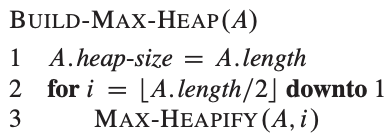
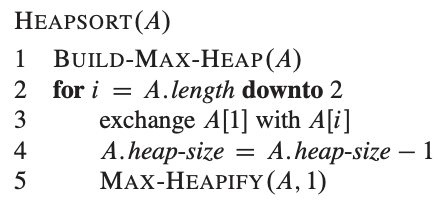
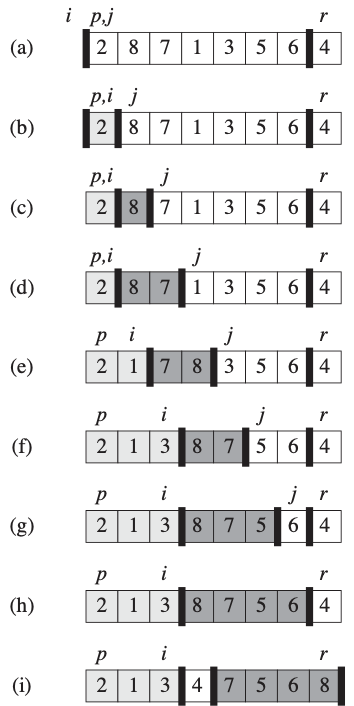
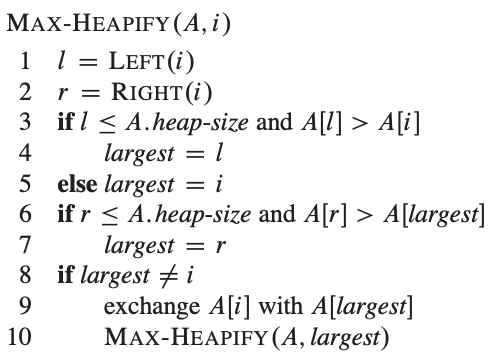
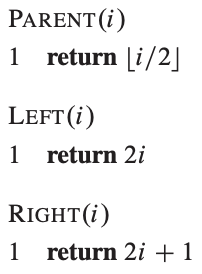
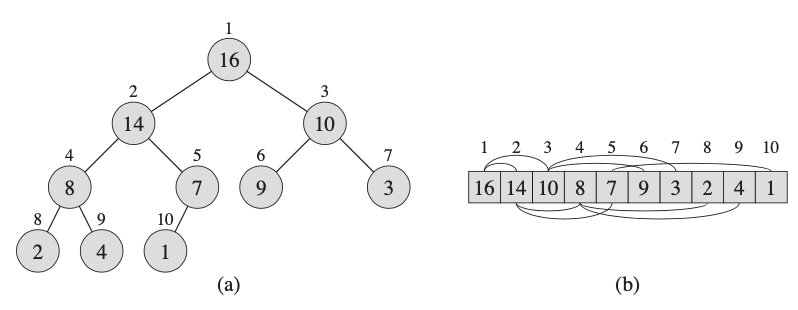
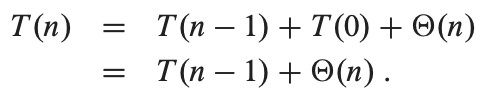
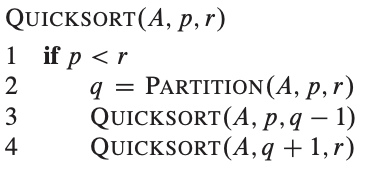
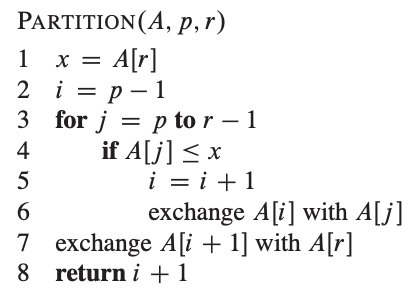
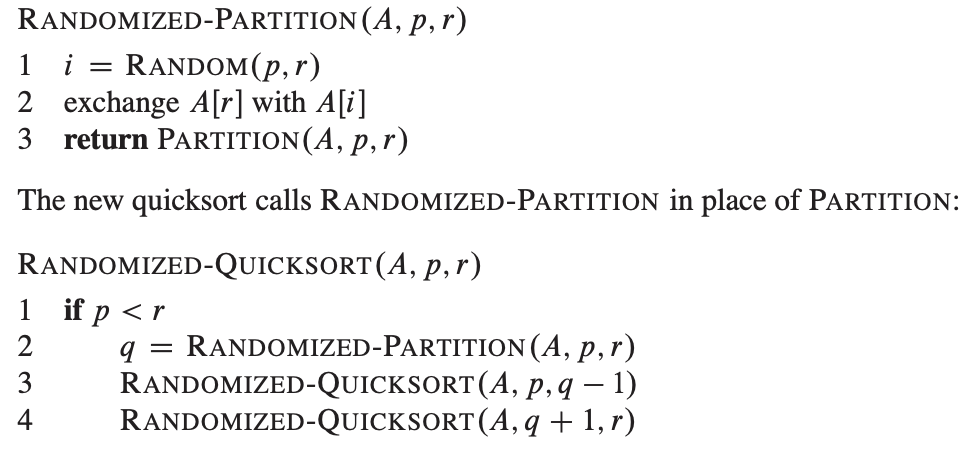
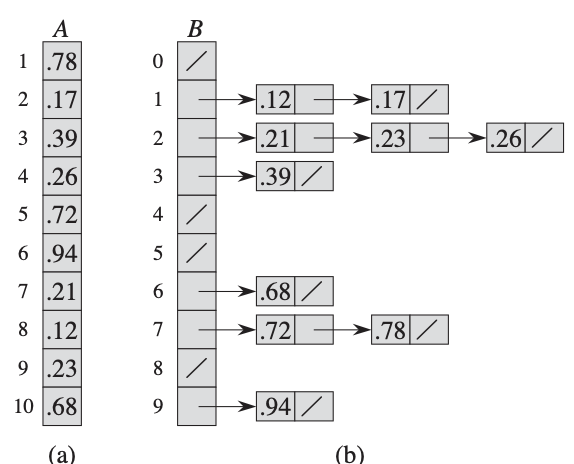
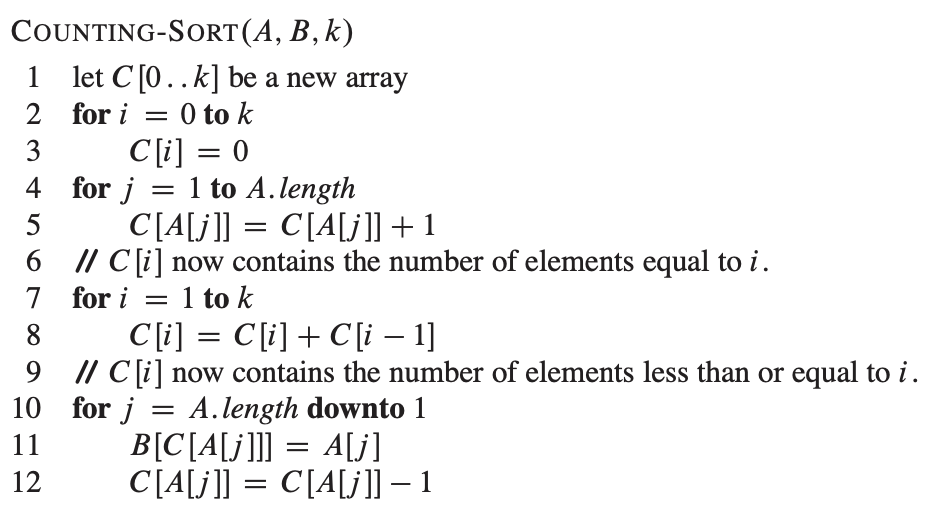
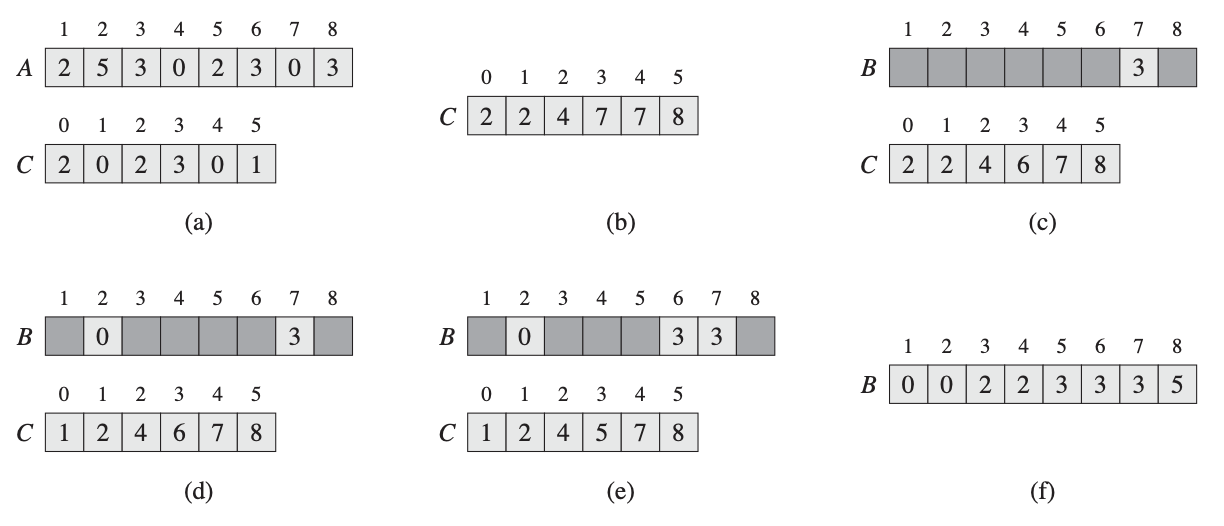
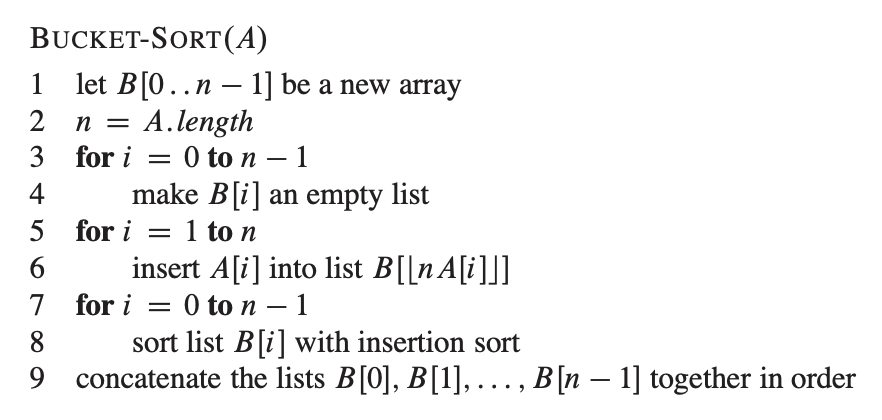
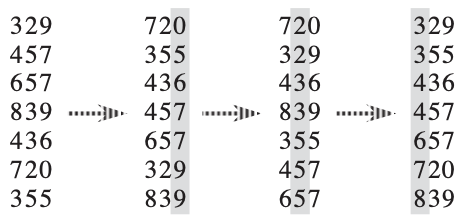
******Heapsort – O(nlgn)**

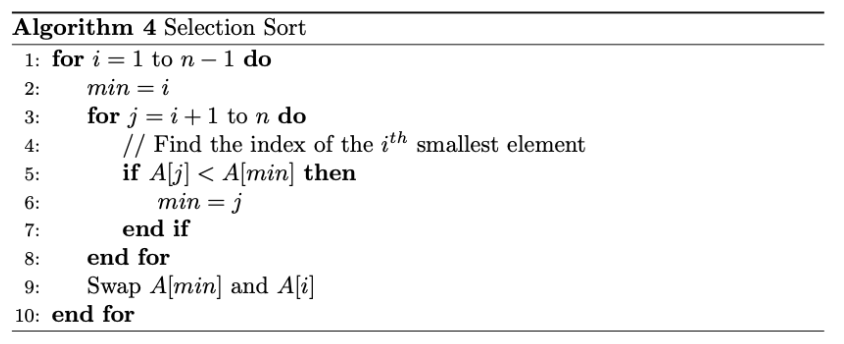
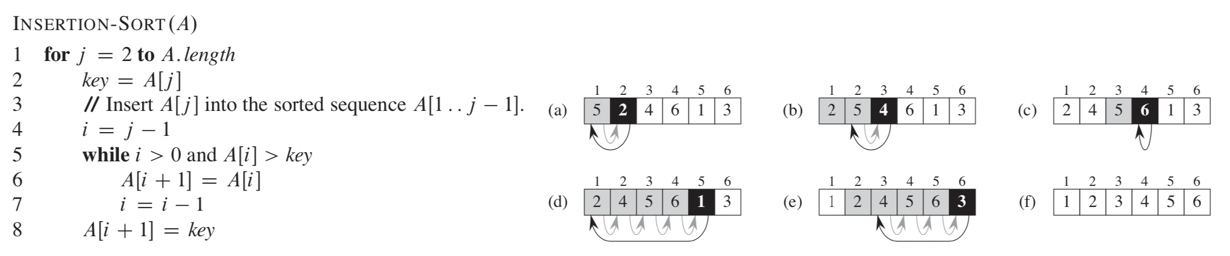
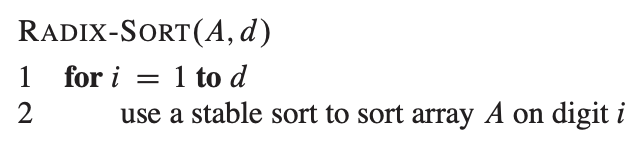
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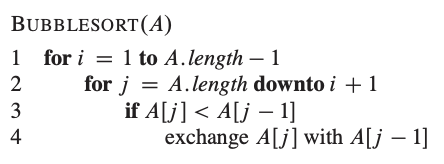
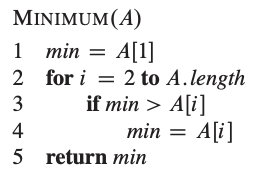
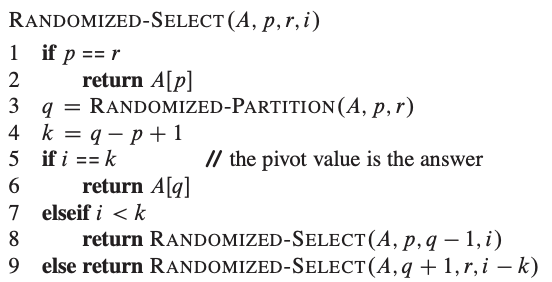
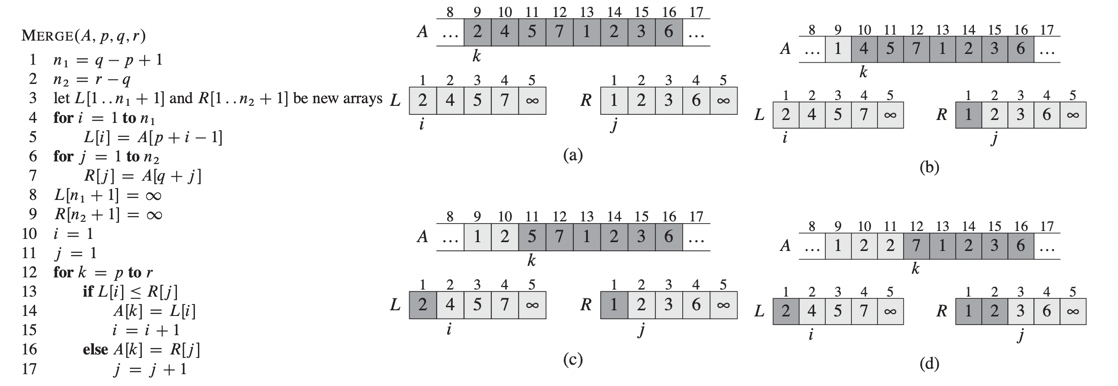
**Quicksort – O(n^2) but expected running time O(nlgn)**

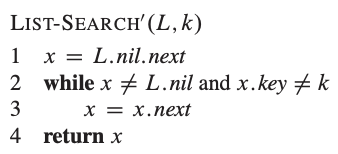
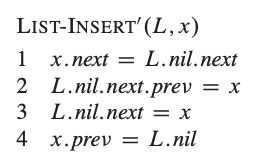
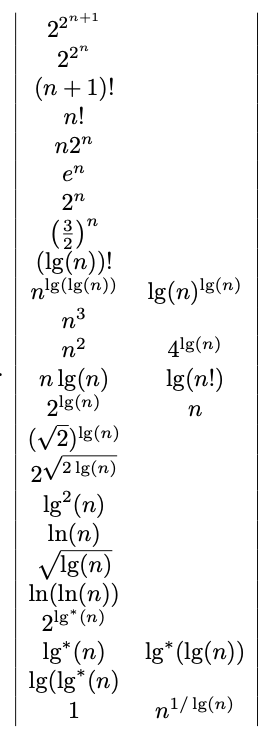
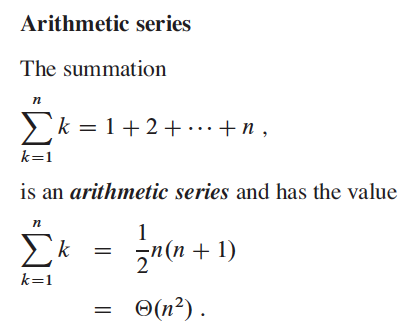
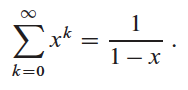
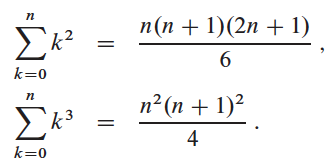
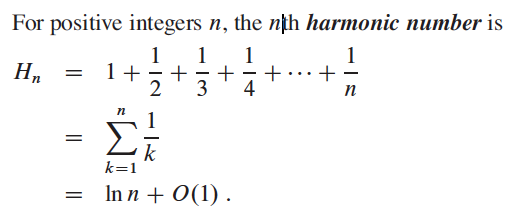
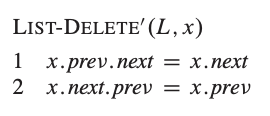
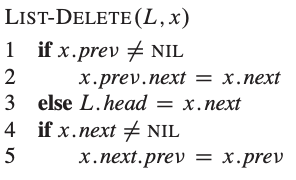
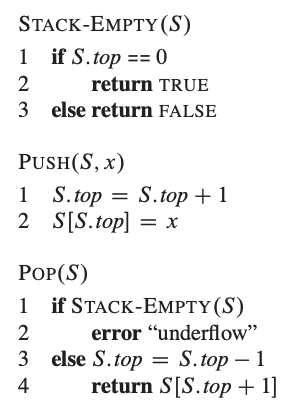
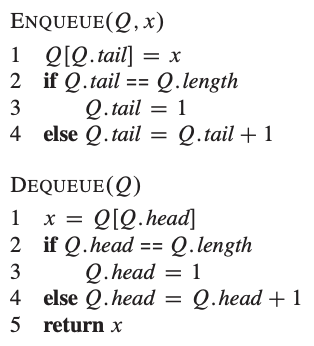
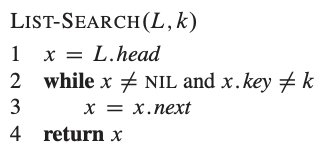
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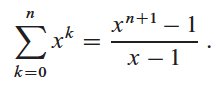
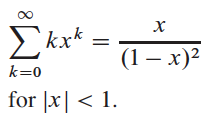
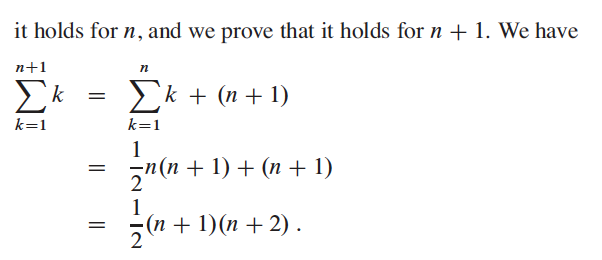
**Counting Sort – O(n)**

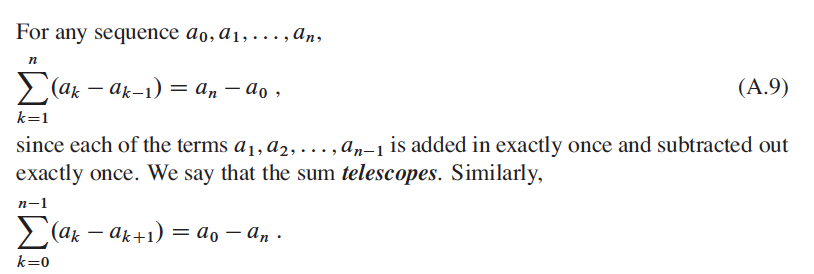
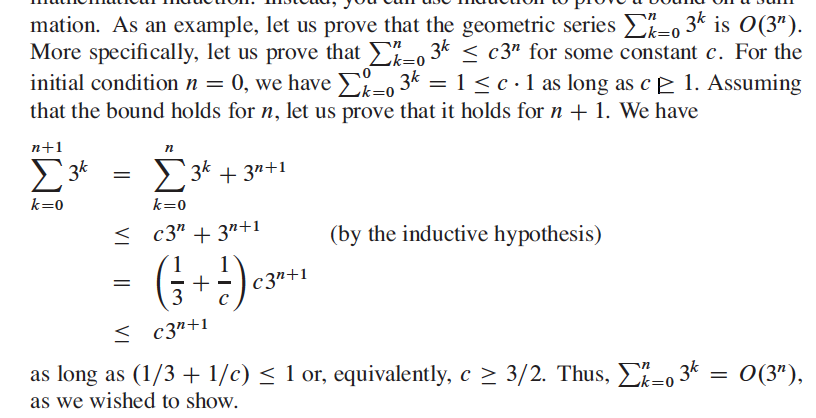
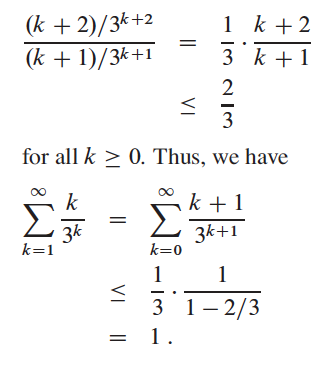
**Radix Sort – O(d(n+k)) if stable sort (Counting Sort) takes O(n+k) Bucket Sort – O(n)**

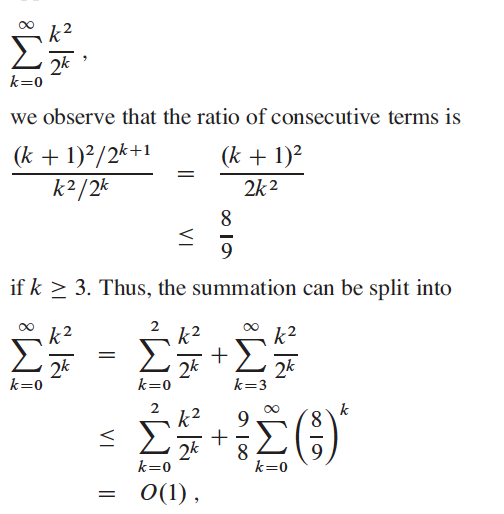
******Insertion Sort O(n^2)**

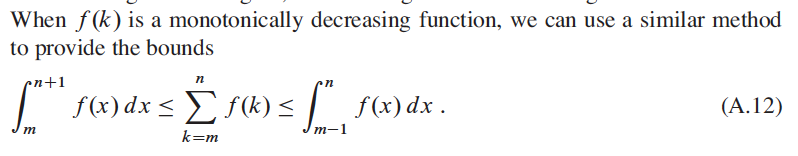
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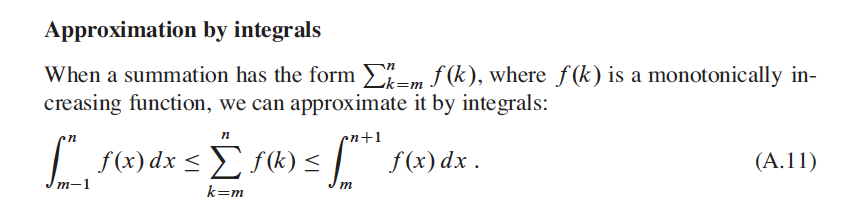
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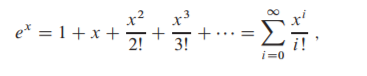
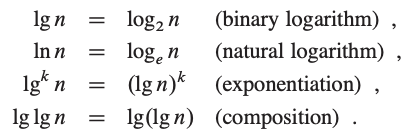
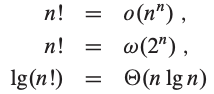
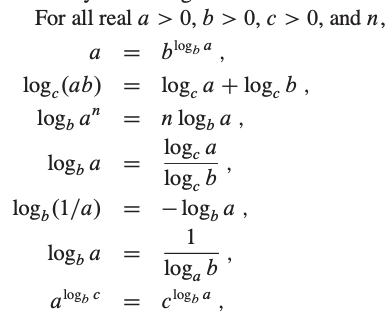
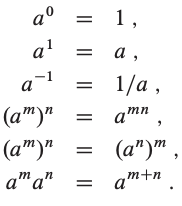


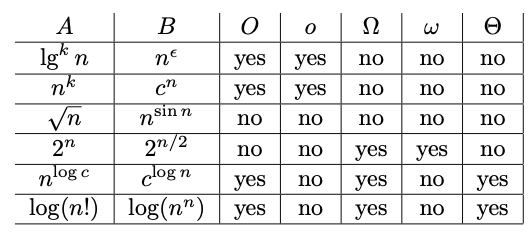
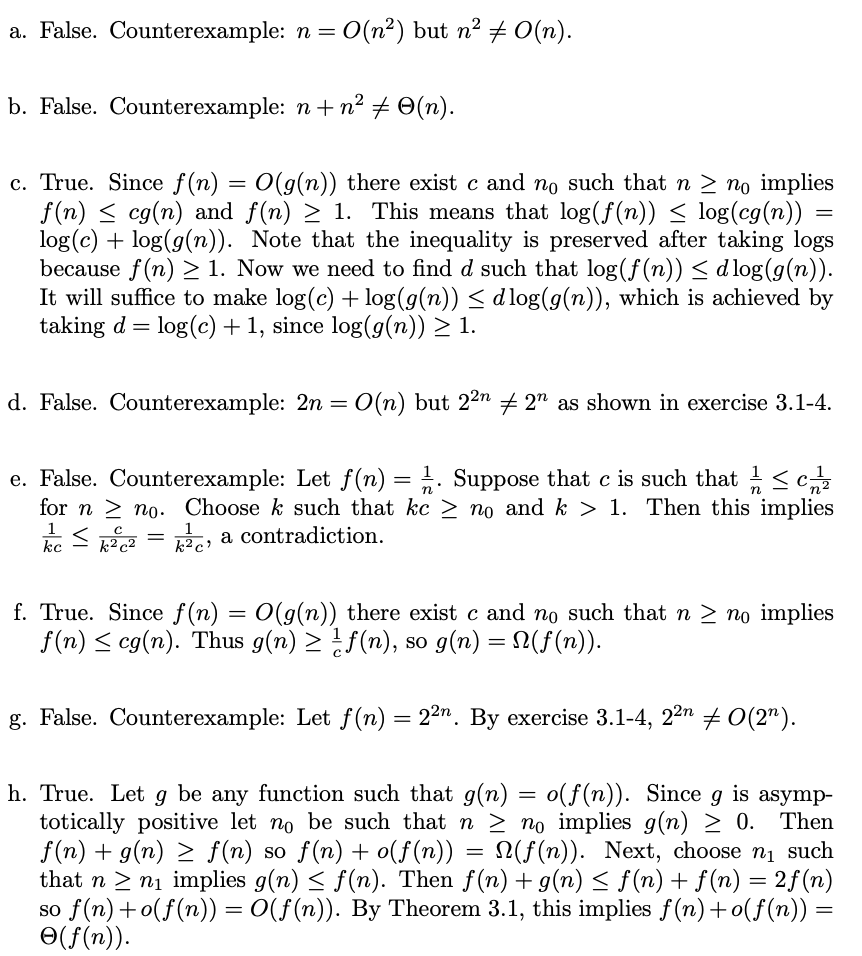
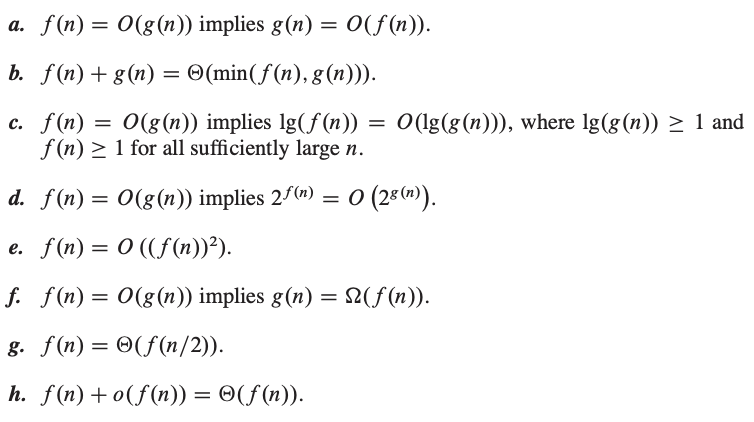


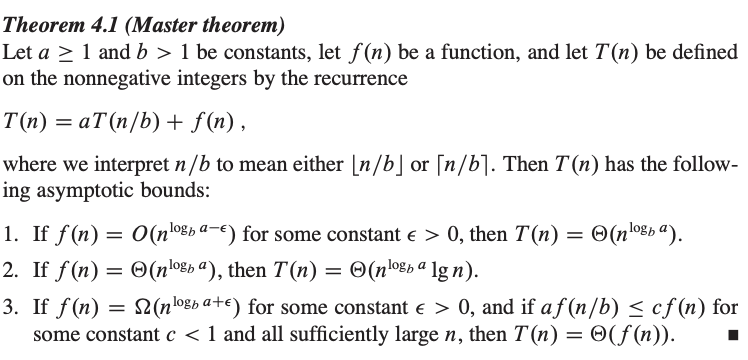


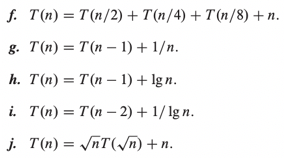
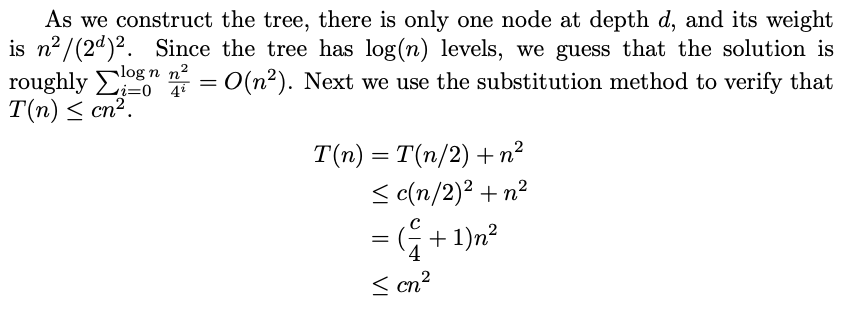
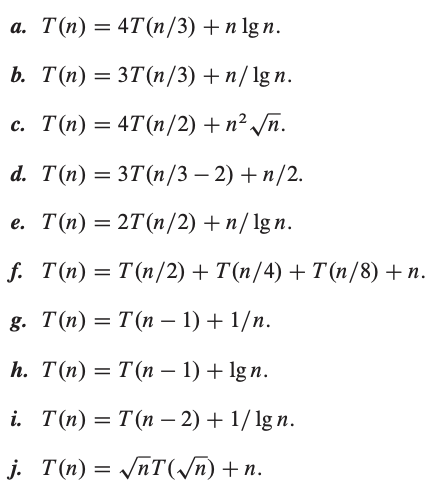
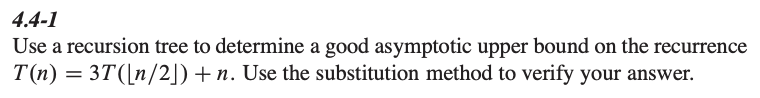
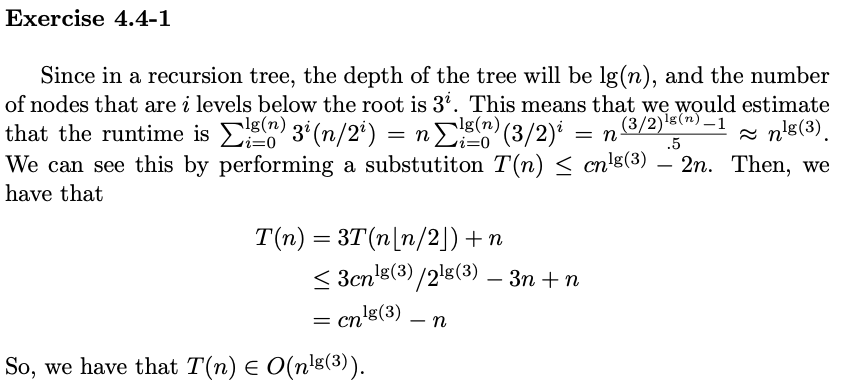
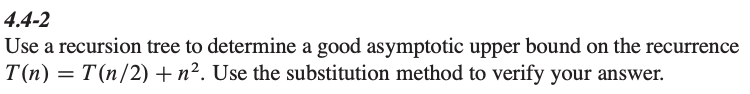


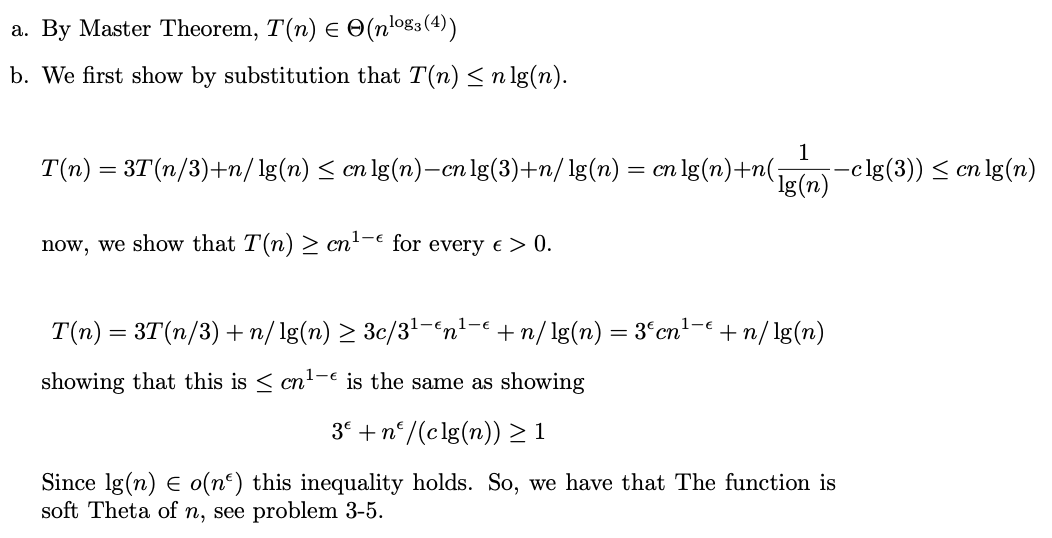


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