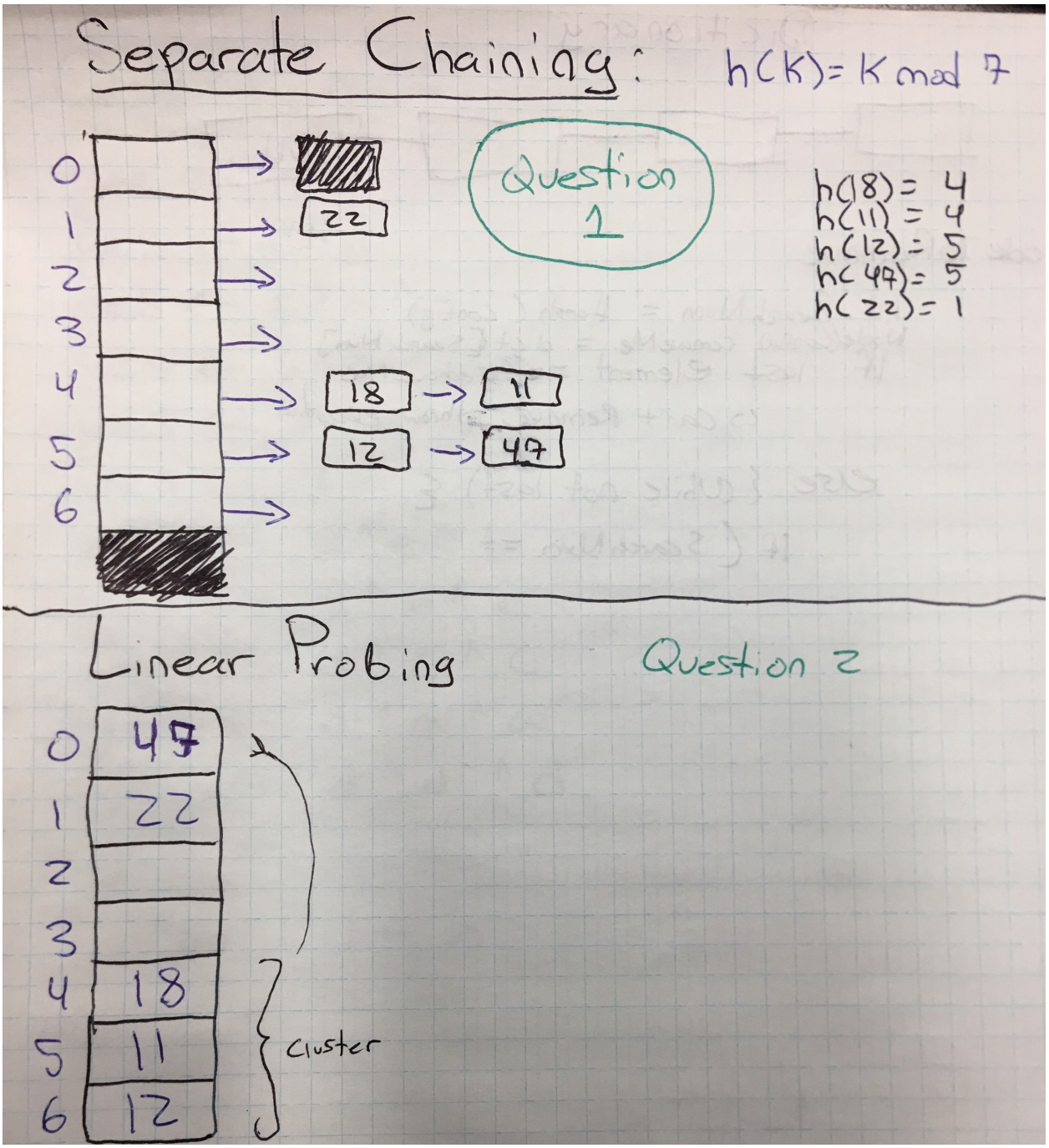
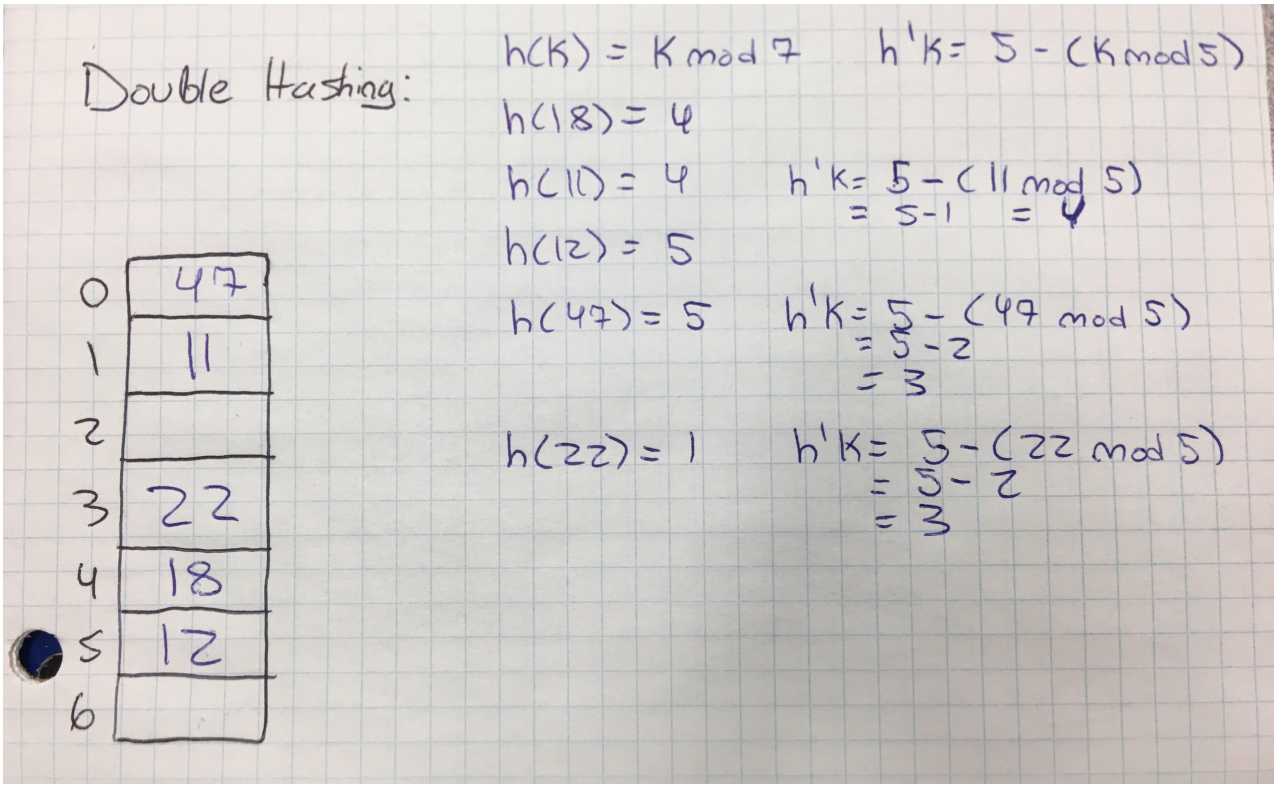
Firas Aboushamalah
250-920-750
Assignment #3

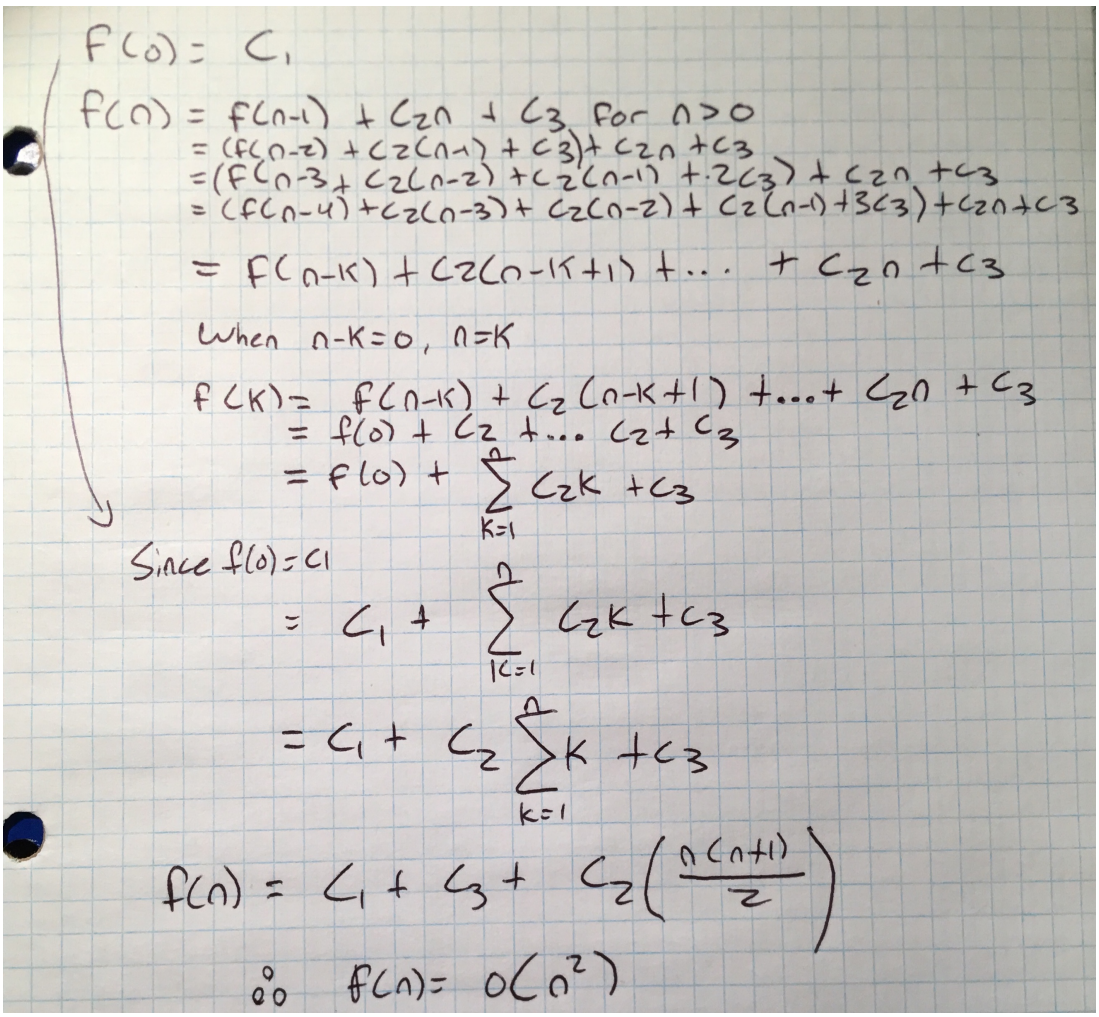
Question 1 & 2



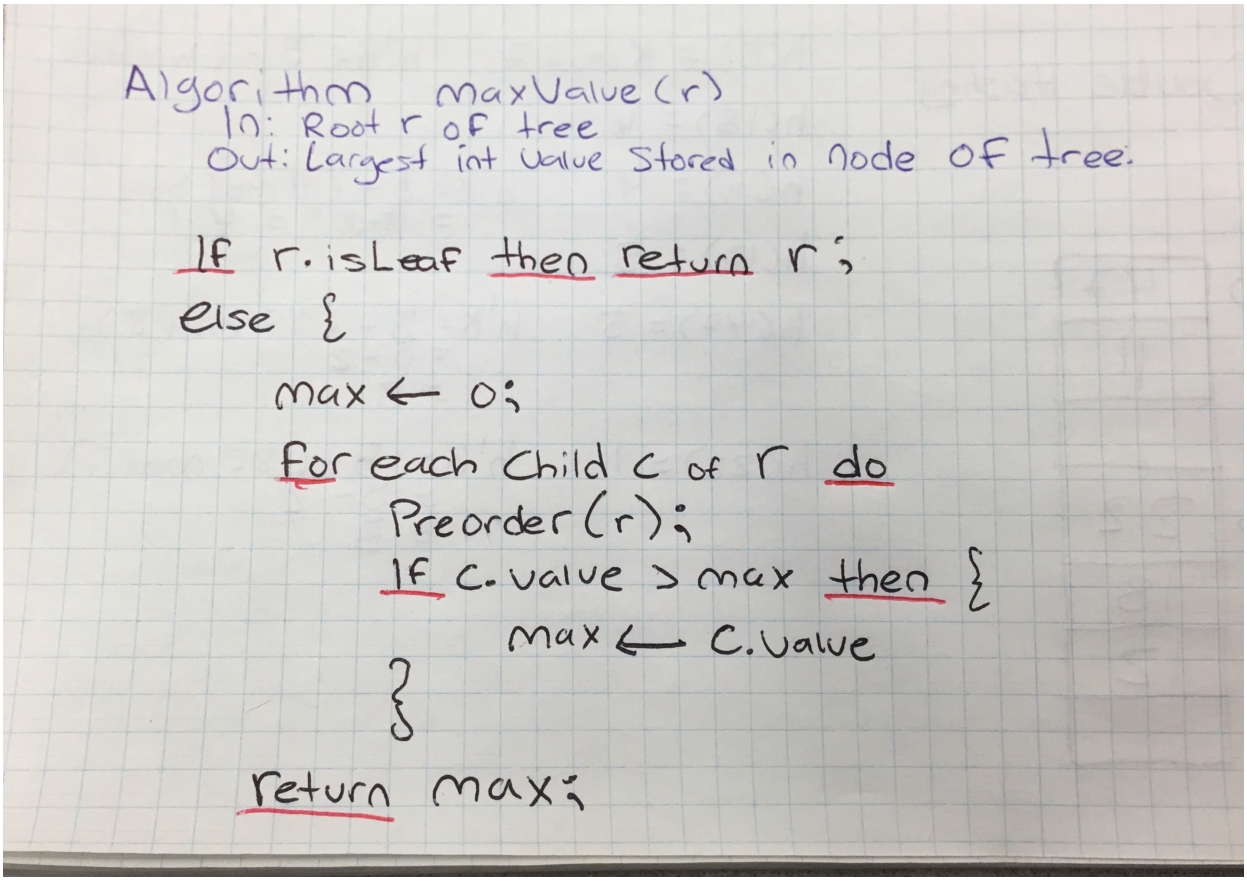
Question 3:



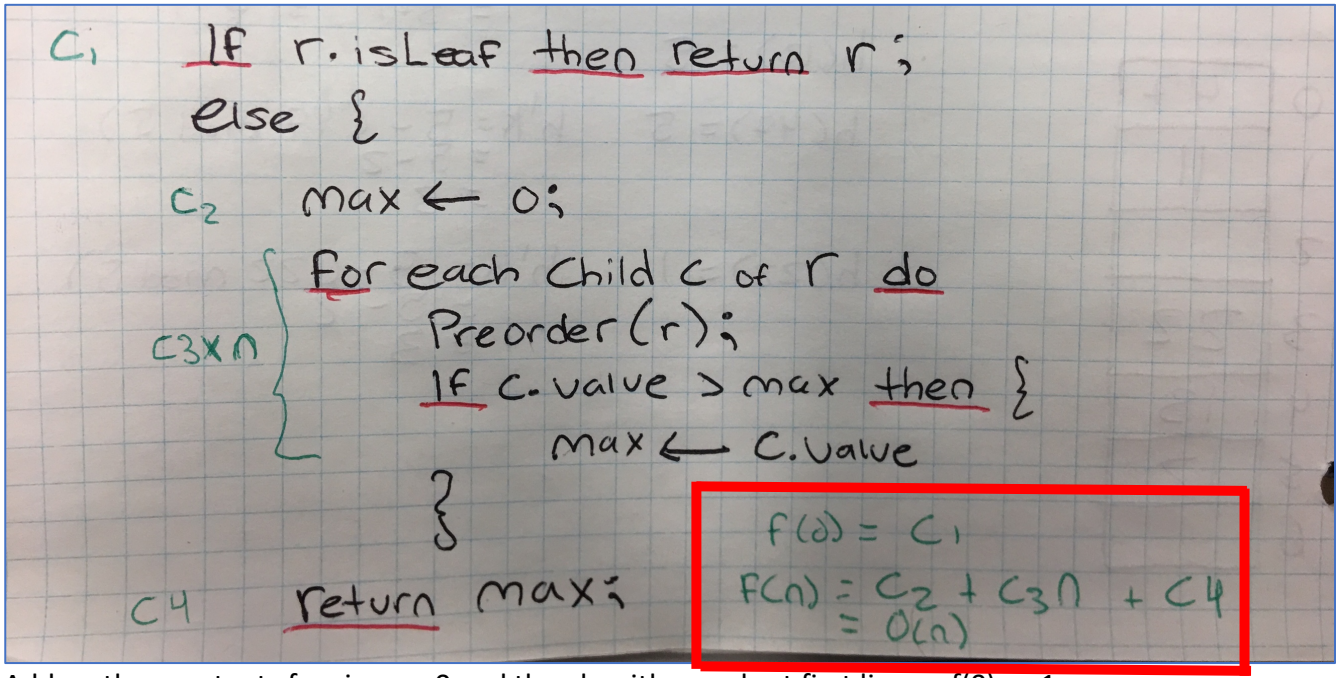
Question 4:



Question 5i:



Question 5ii:



Add up the constants for size n = 0 and the algorithm ends at first line so f(0) = c1
For size n, the algorithm has 2 constants and a 3 constant multiplied by n iterations via *"preorder(r)"*
Therefore, the time complexity of this algorithm is O(n) for n > 0