Ben Walker CPSC 5931: Data Structures + Algorithms 1) Exercises S. 3 #1 public int Levels Divide Conquer (bt head) {
1+ (head == null) {
return 0; return Max (Levels Divide Conquer (bt head.left), Levels Divide Conquer (bt head.vight)) + 1; private int Max (int first, int second) { if (first = second) { return first; else & refurn seond; T(n)= 0(n) because you have to traverse every node before determine which subtree path has the most levels.

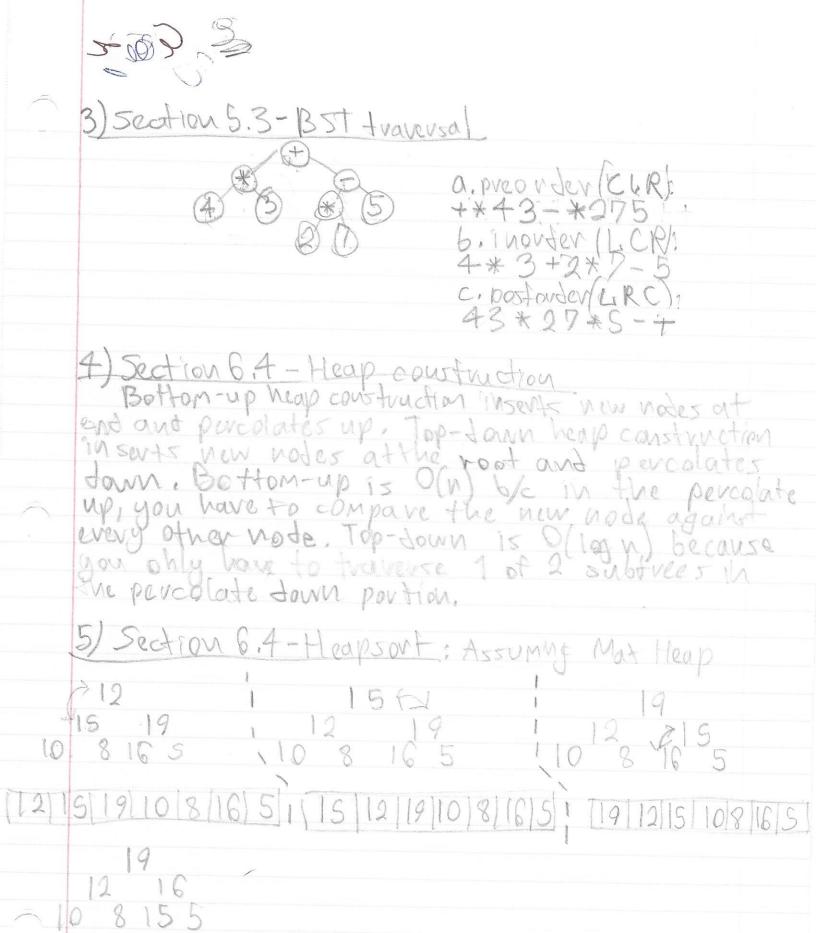
2) Exercise 5,3 #6

public void InOrder traversal (bt head) {
if (head:left!= null) {
 InOrder traversal (head.left);

 Consol. Write (head.data);
if (head.right!= null) {
 InOrder traversal (head.right);

 InOrder traversal (head.right);

}



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