Chapter 18: Trees - root - powent for children height of 3 leaves - no Children Preorder - when you visit mode, do first nodes then children Recursive ! in order - left yourself night True Post order - for calculating thongs after Children than node level order with file sizes D Pre-Print (-BC) Binary Tree - 2 children Post-Print (BC-) in-Print (B-C) -right a+ ((b-c) +d) 6 Binary Node Binary Node right Binary Node Aliasing: tl. merge (tl, t2) (12 root

Chapter 18 Poplicate & & the root

#1 doplicate the root

#2 doplicat left : righ Size: of left + Size of right + 1 Height Max (left, right) +1 root 0 left right Tree Traversal Pre-order In-Order Post-order Iterators Stacks can be used Level order - Bread the first Search Ist Zul 3-1