Assignment 2, Part 3 Ideas -read in alarton - done list (Booker) - started list (Boolean) - for each agent - what it is do ing - when it is done (int) - for each second until all done - check each agent to see it it is not working or done - nark do-e - Find a new task - compute end tile -mark os storted

- 135 operation - Adds Lalance factor bf= height of left subtree- height of right subtree must be -1,00 or +1

_> for all hodes - modify add operations - regular BST add - work up from new node, oheching balance tactor
if +2 or -2, we rotate or zig-zag

AVL Trees, cont.

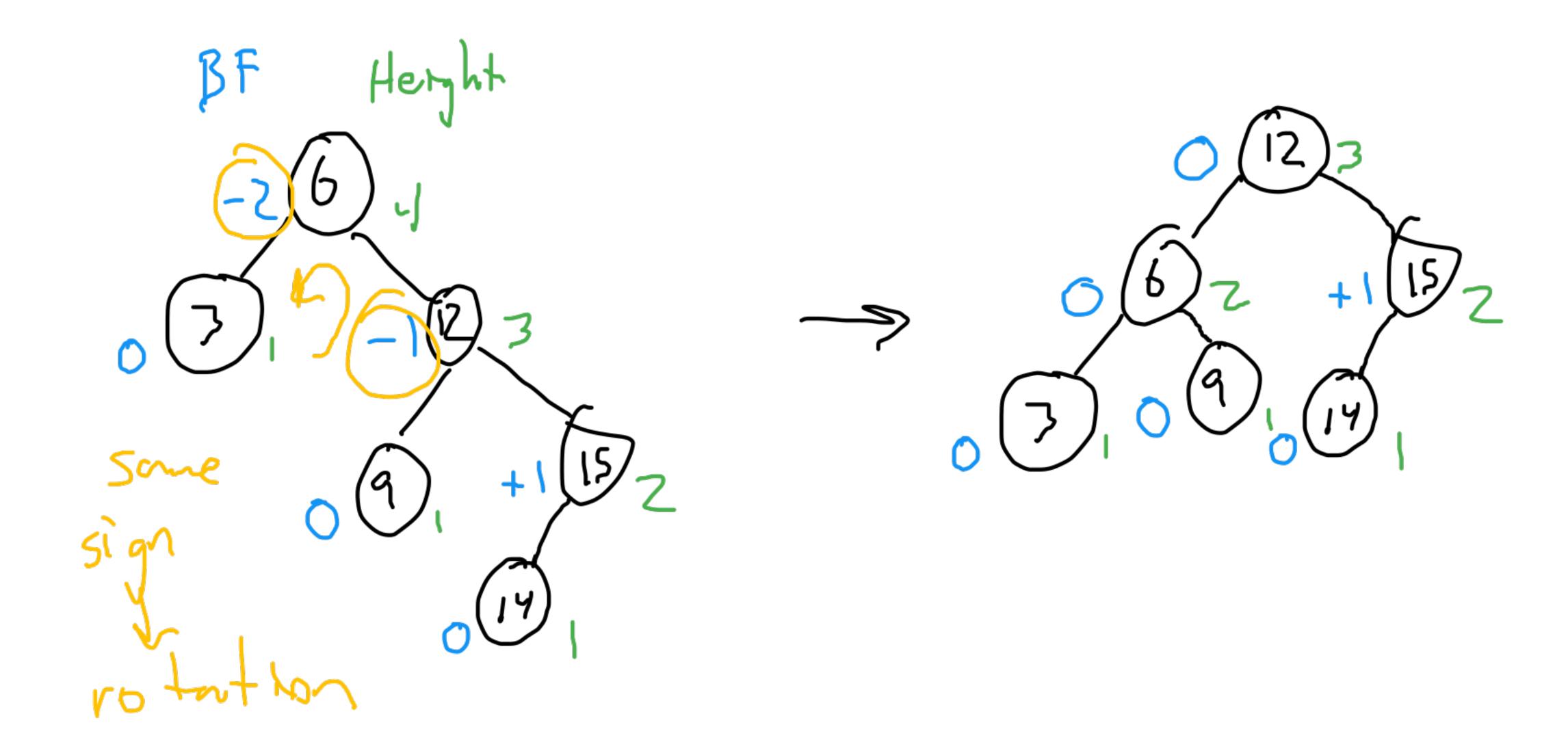
BF Height

-163

002

(15)

Add 14



AVL Trees, cont.

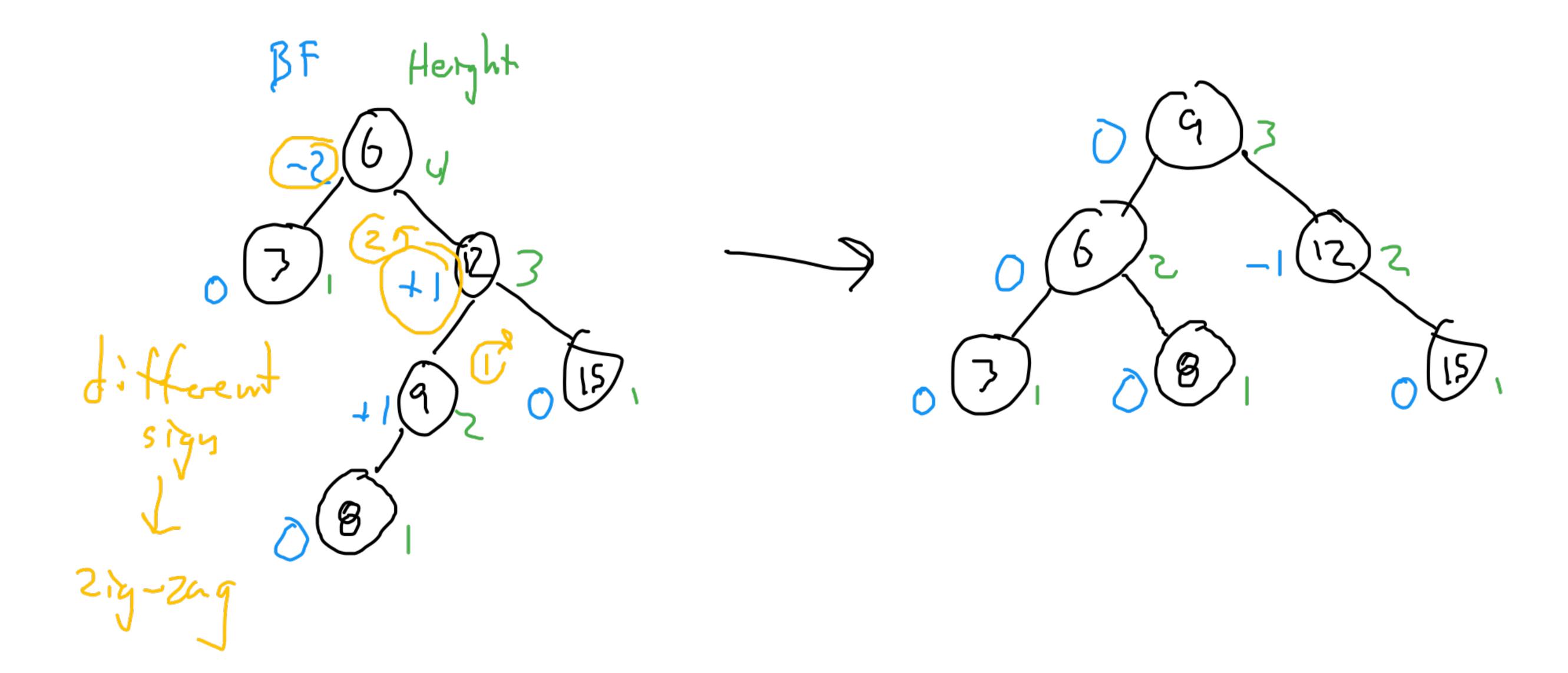
BF Height

-163

-163

-155

Add 8



Ted-Black Trees _each node is red or black - root is black - red nodes have black ohild nodes - null valus are treated like black wooles - All paths from the root to a vull vale must have some # of black nodes