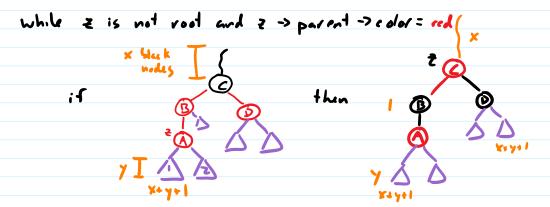
h is O(logz n) since h 575

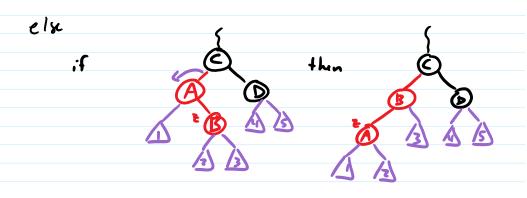
(assume tree is a red-black tree before usert)

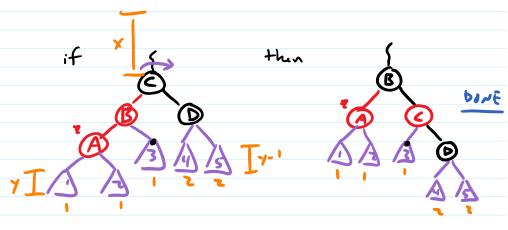
- 1) Do normal BST insert, color new node, red (w/black laws)
- 1) Do normal BST insert, color New none (dersnit affect pap 5)

 2) If new node's parent exists and a Uack, Dave (pap 4 still holds) Elge

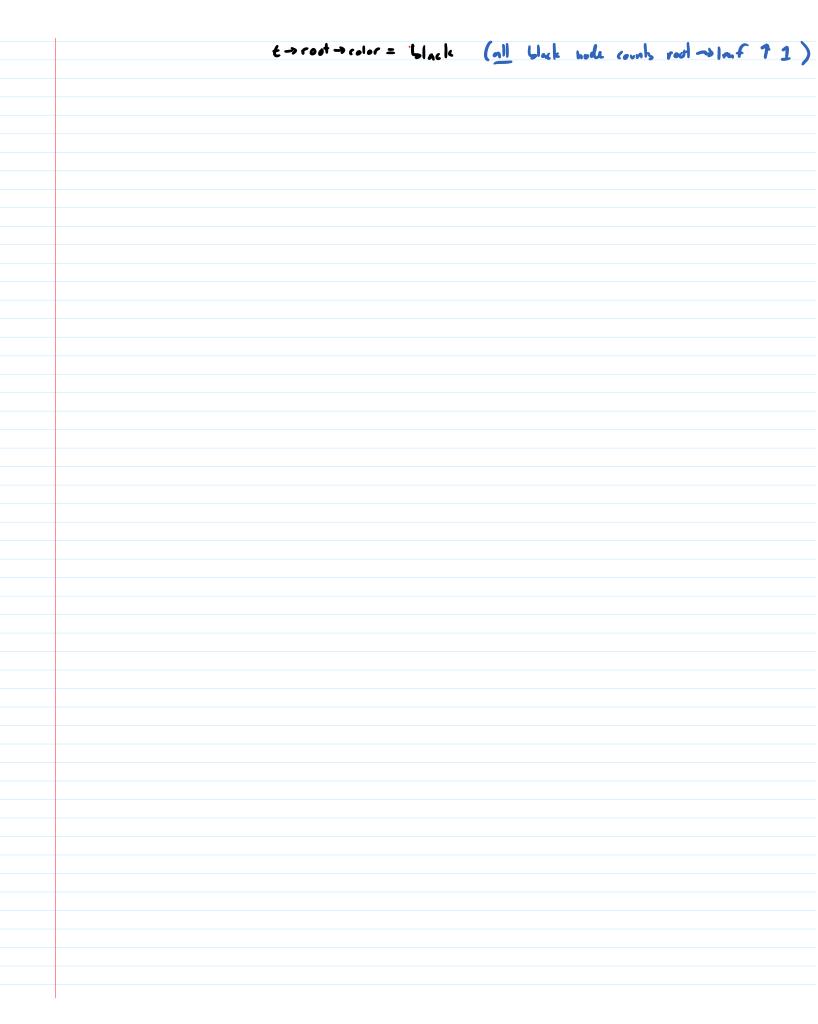
let z=new note







[other cases symmetric]



ARN CNS CPT BWI MEX ADD PVG LOS BNE EZE ARN add CPT CNS add BWI 50 BUI add ADD CNS add ADD CNS ARN CPT PVG rendor CNS MEX straighten ADD U rotate+ recolor BNE CPT LOS