Lab 4 Adillya N 1BMV8C8128 insert (node, key) if I wode neturn new Node (key) they < node > key

node > left = insert (mode > left, key)

else if key > node > key

node = right = insert (node > night, key)

else return node node -> height = 1 + mass C height (node > left), he ight (node) balance (mode) int bal = get Balance (node) if bal > 11 and key node -> left -> key return notate Right (mode) it bout <-1 and help node-stright -> key retarte Left (node) if bal > and key > node = left -> hey nole > left = rotale Left Conside > left) return notate light (nod) il- bal <-1 and key < node-> tright-> bay node snight = brotate Kight (hode snight)
return relate Left (hode)

neturn Node

delete to (nod, key) neturn noot root-left delete (2004-2004, key)
else it key 2 noot->key
noot-stright = delete (2004-2014, key)
place { ! noot > left | noot > night root = (noot -> left)? noot > left: noot -> right temp = mintal (root-sright)

root-shey = temp-shey

root-snight delete / (groot-snight, lomp-shey It I noof rehm root
poot-sheight = 1 + men Cheight Croot-slett), Leight (root-)
Pright) return balance (groot) worker wish to the local com I de la serie de moures