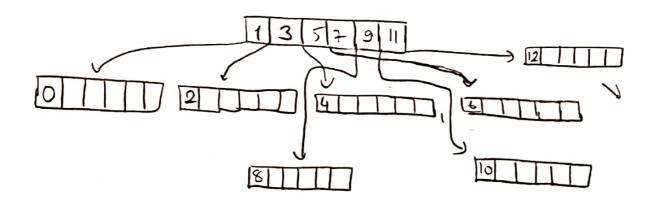
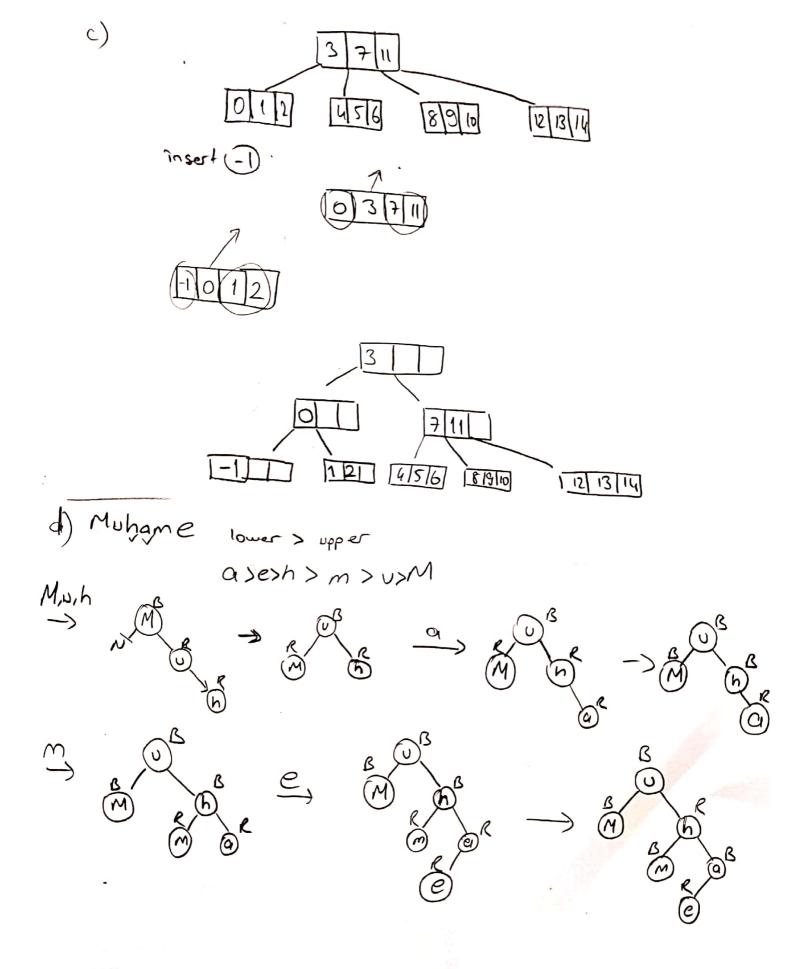
Allra

when we want to some operation in O(logn) time we need to keep a bolonce between maxLevel and maxCap. If our level is 3 then our linked list max cap max Cap <= $2^{maxL}-1$ so $2^3-1=7$ for level 3 we can keep max 7 element after the another insertion we need to increase our level

1 head clevel=3 & 13 16 20 22 30 35 lets insect (42) => #of element = 8 8 < 2 - 1



(A



e) -) in the located leaf to root path because each node balance are connected with the children node. if children has lost its balance root will be affected this stuation.

- It is located one upper level.

-) His effecting like a domino

