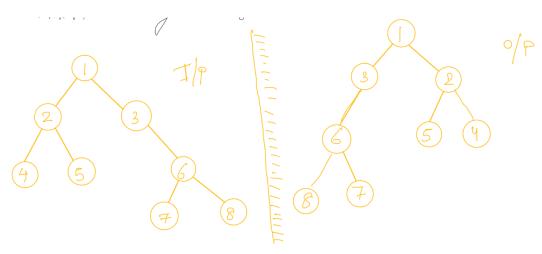
Trees 5

Invert Binary tree
Equal Tree Partition
Next pointer in binary tree
Path sum equal k
Diameter of a tree

Invert Binary tree



```
Rendo Code

Noid invert (Node 800+)

E

if (800f == nullpts)

return;

// enap the left and right child.

Node temp = 800+, left;

800+, left = 800+, right;

800+, right = temf;

800+, right = temf;

800+, right = temf;

800+, right;

800+, right;

800+, right;

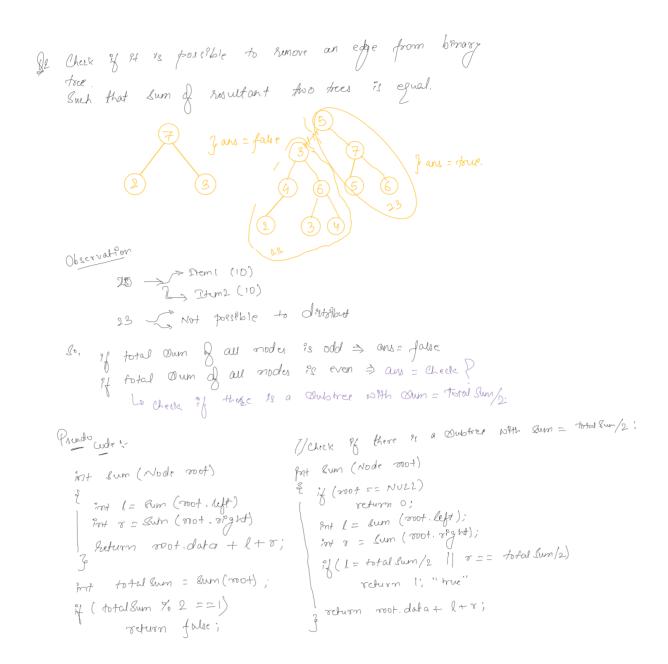
800+, right;

800+, right;

800+, right;

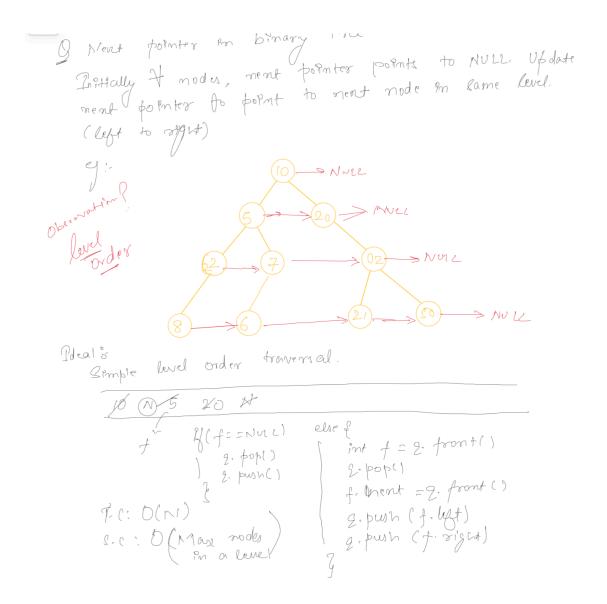
800+, right;
```

Equal Tree Partition



check what is returned by sum function.....

Next pointer in binary tree



Idea 2 & To well agos > NULL NULL DE accessed only by the buel can before et. Node dumny = new mode (); Node temp = dumny Trudon of While (not 1= NV2) & if (root. luft | = nUpto) {

famp.nent = root. left;

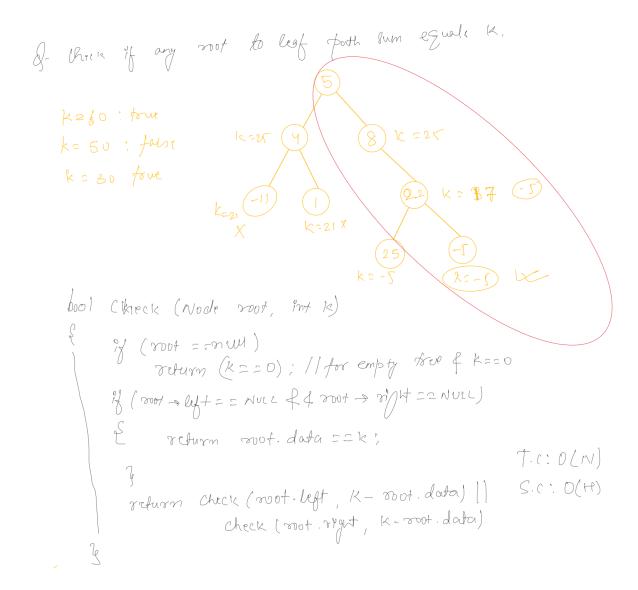
temp = temp.nent; of (mot. orall != numpto) &
fund. ment = mot. right;
temp = temp. ment; noot = 2000+, nent; of (not == new pir)

root = dunny, nent;

dunny, nent = new pir;

femp = dunny;

Path sum equal k



Diameter of a tree

```
Dometer & a Binary Tree

Thomas mum destance between any two leafs modes in

a binary tre

1 Amough most always.

10 4 8 20 Note

10 10 80

D = Hogs of + neight & of

10 10 80

D = Mark (H(1) + H(r) + 2) + modes
```

```
int Helgh (Node mode)

of (noot == null)

return -1;

int l= heght (noot.left);

int r= heght (noot.right)

ans = man(ans, l+r+2); //diameter.

return man (l, r) +1
```