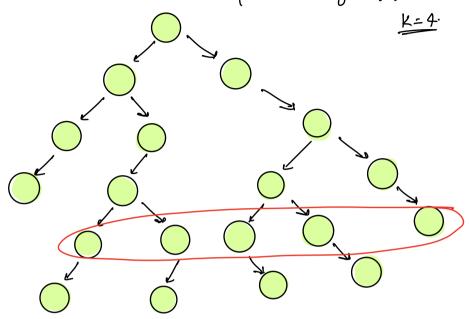
Ul Count of modes which are at K-distance array from noot nude.

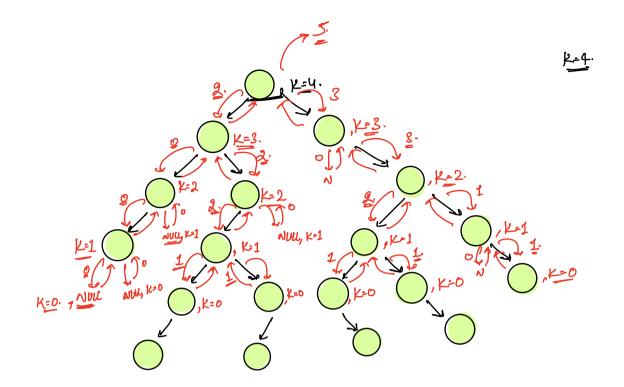
(in terms of edges)



ans = count of rocles at level K.

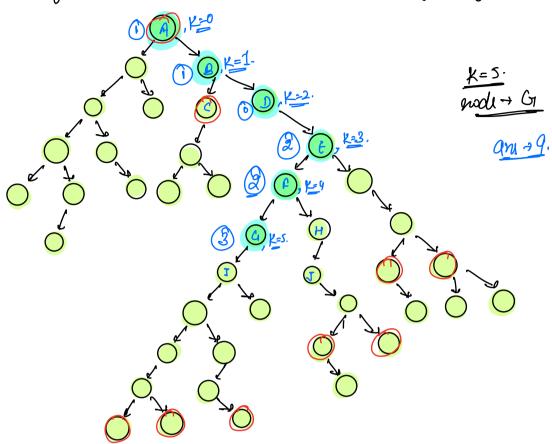
IL

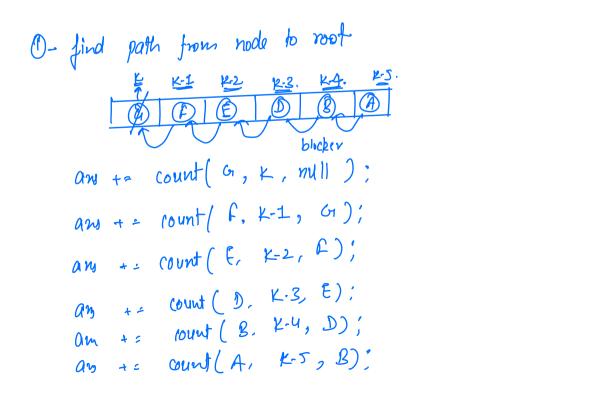
Level order traversal.



A psindorioch.

On (ount nor of nodes which one k distance away from given node.





```
int count (Node root, int K., Node blocker) {

if (roof = = NULL || root == blocker || R < 0) { return 0}

if (K == 0) { return 1}
lam = count(root.left, K-1, blocker);

rams = count(root.right, K-1, blocker);

return lams + rans;
   // Store mode to roof path in a list. BABBA
          am += count (list-get(0), K, NOLL);
        for(i=1; i < liut-8i21(); i++) }

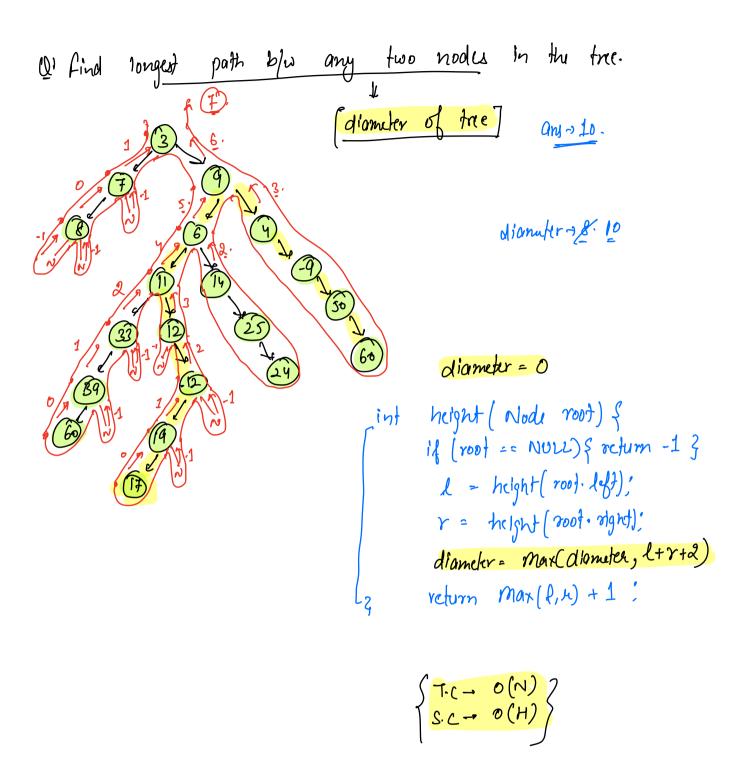
ans += count(liut-get(i), K-i, liut-get(i-1));

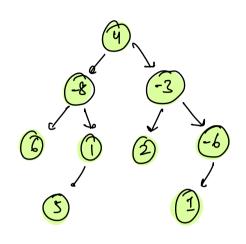
2
          return ans;
                                                      ST.C→ O(N), S.C→ O(H)}
```

Que find the largest path across the root.

$$\begin{cases} ans \rightarrow height(root \cdot | yt) + height(root \cdot nght) + 2. \end{cases}$$

$$\begin{cases} T. (-0(N)) \\ S. (-+0(H)) \end{cases}$$





max Path Sum = -00

```
int Sum (Node root) {

If (root == nul)) freturn 03

L = Sum (root·lyt);

r = sum (root·right);

That Path Sum ->? J

return L+r+root·data;
```

yo-minuty.