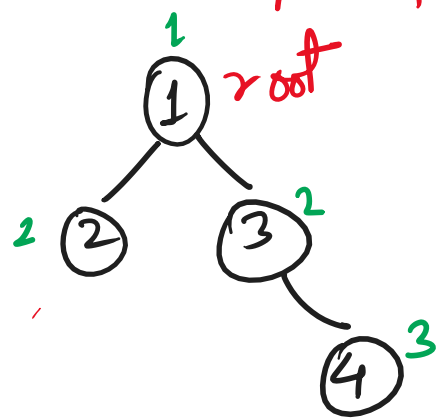


Binary Trees Important Interview Question for **Placements** :  
**Important Note** : 80% of questions on trees can be solved using "Recursion".

Question 1 : Find the "Height" of a given binary tree.  
 Companies [Visa / TCS / Capgemini / Accenture / DXC / Standard Chartered]

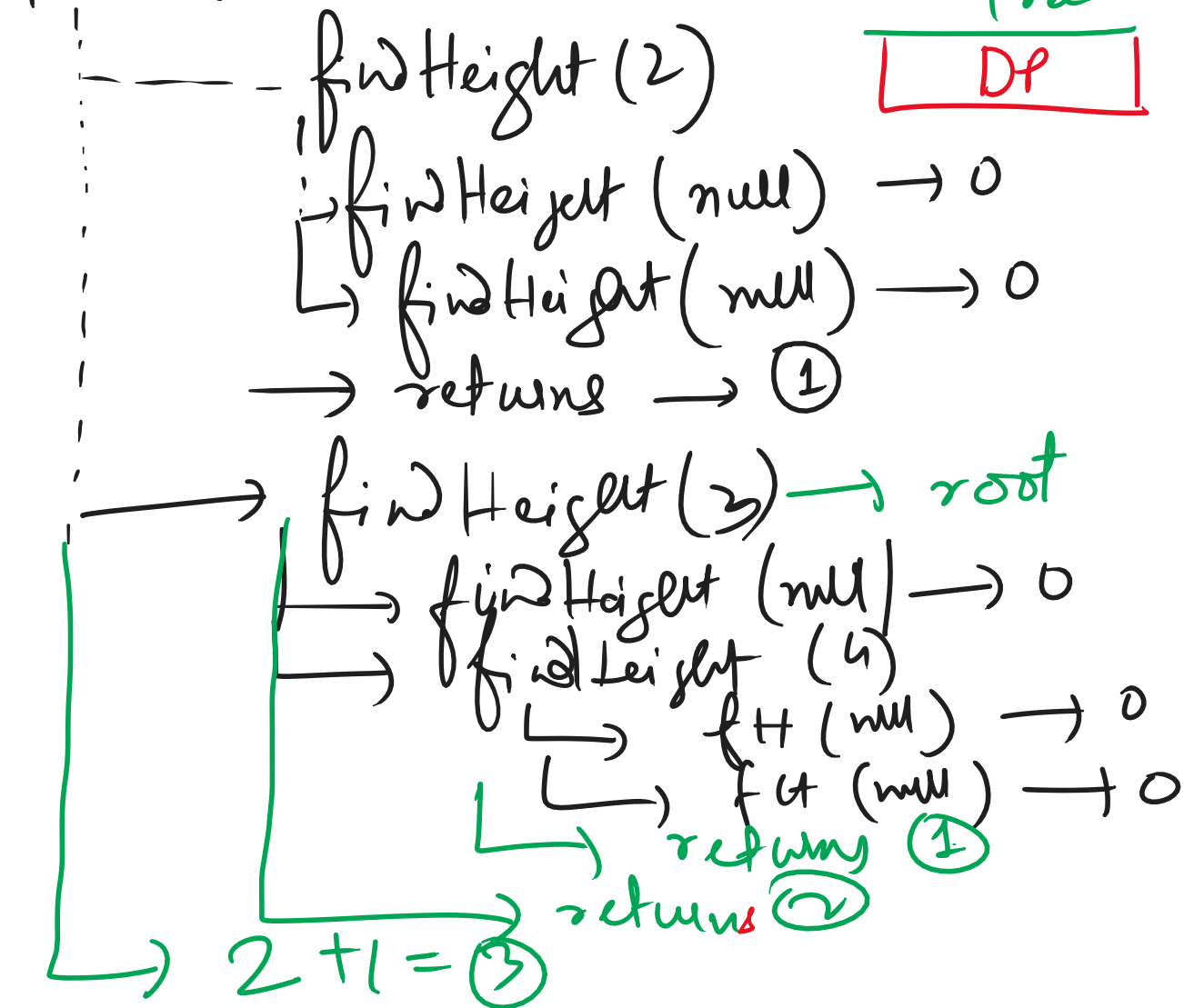
Height = 3



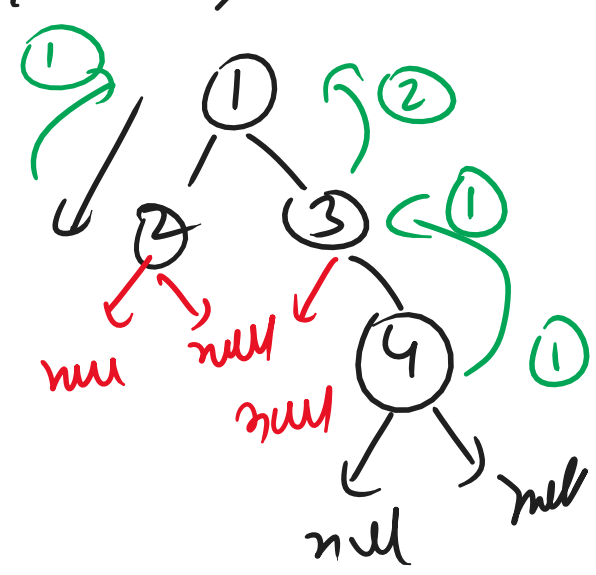
Definition : → Maximum number of nodes from the root node to any of its descendant nodes or children nodes.

Recursion Summary : Cell Stack (DRY RUN)

findHeight(1)



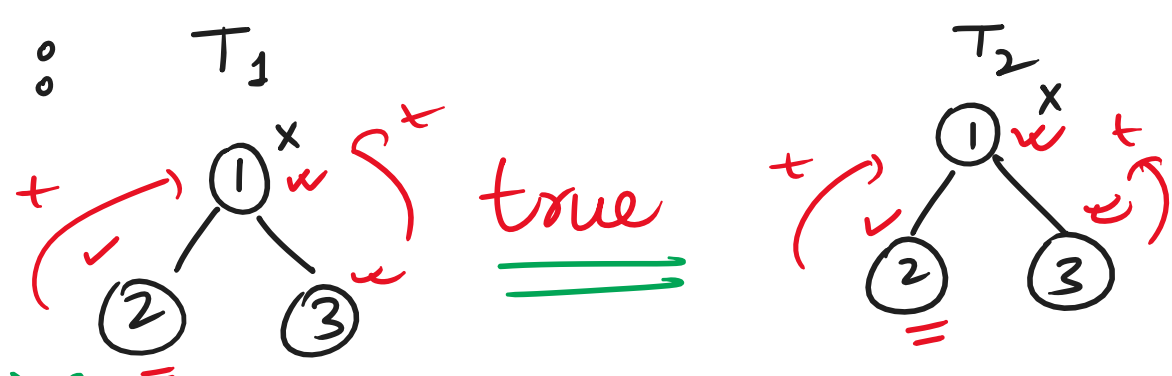
Recursion Tree  
DP



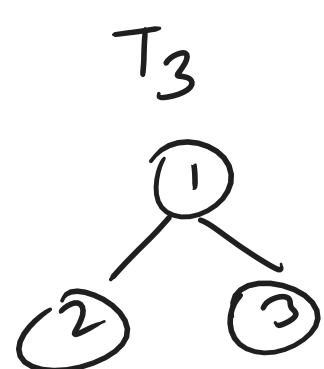
1 + 2 + 1

(2, 1) = (2)

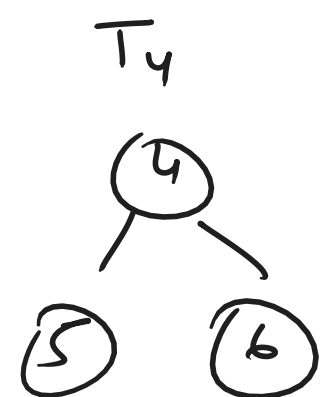
② Identical Trees :



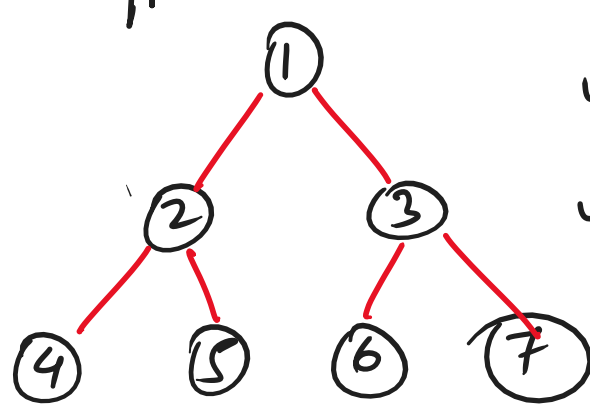
boolean areIdentical(T1, T2) {  
 return True or False;  
}



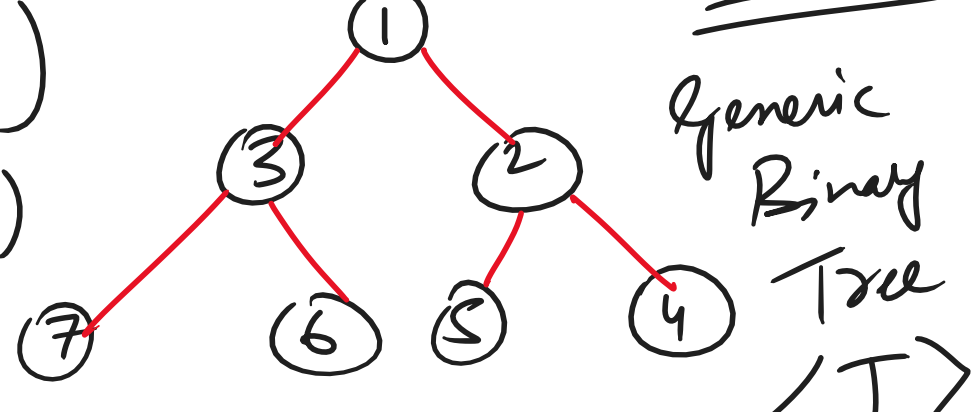
false



\* Mirror of a Binary Tree (Amazon)



mirror(root)  
 inorder(root)

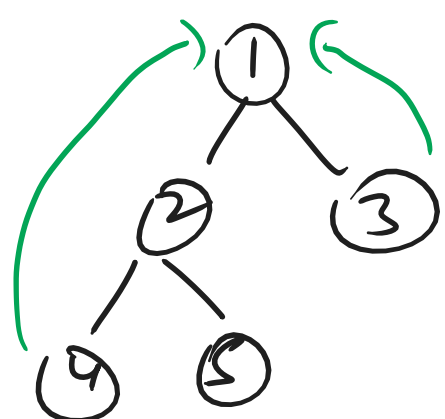


In Order:

4 2 5 1 6 3 7

int t = a  
 a = b  
 b = t  
 Node temp = r.l  
 r.l = r.r  
 r.r = temp;

LCA → Lowest Common Ancestor \*\*\*



LCA of (4, 5) → 2

(4, 3) → 1

(2, 3) → 1

1 → 1

Feedback : → 14164  
 bizofict raining.com