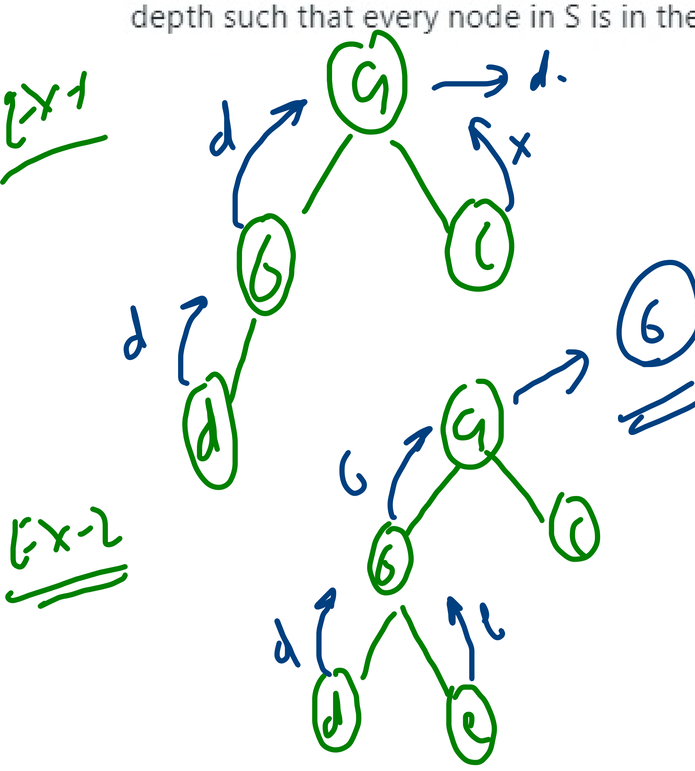
1123. Lowest Common Ancestor of Deepest Leaves

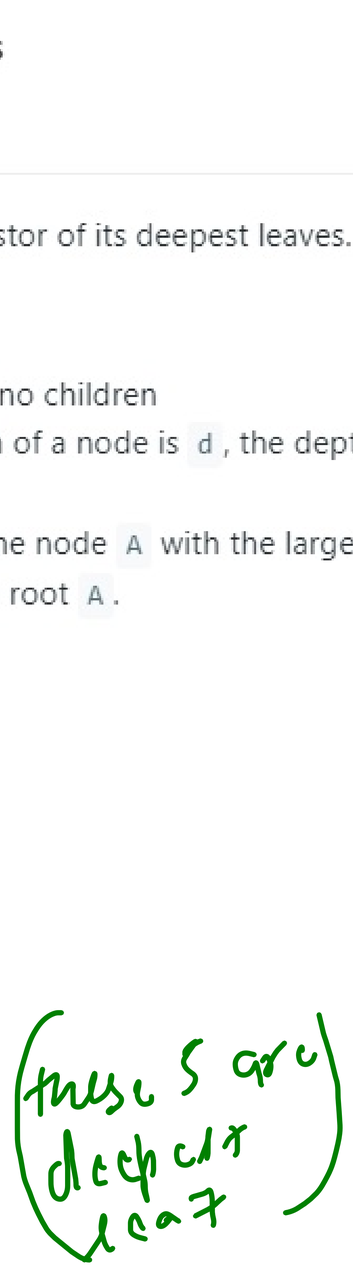
Medium 283 373 Add to List Share

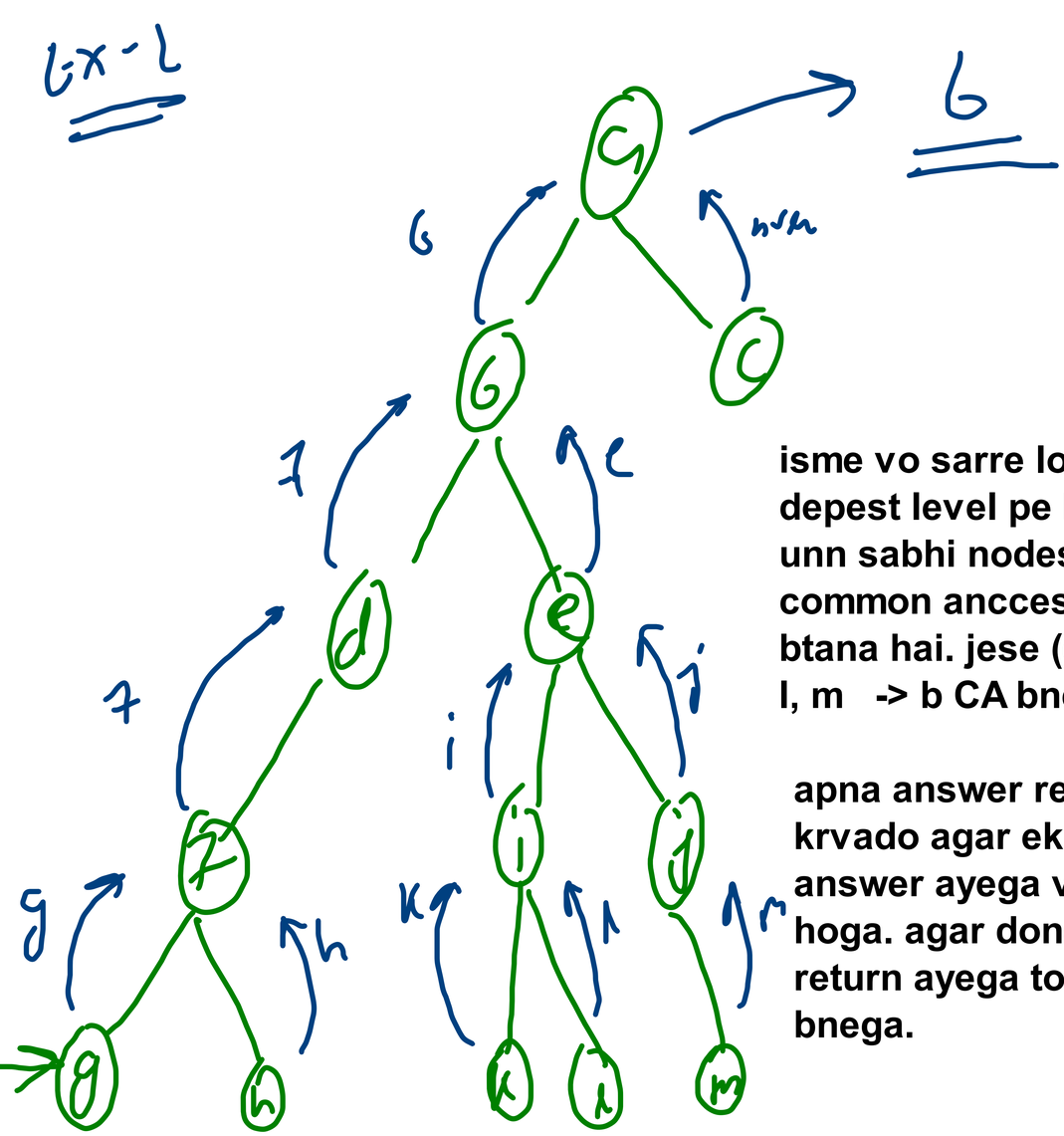
Given a rooted binary tree, return the lowest common ancestor of its deepest leaves.

Recall that:

- The node of a binary tree is a *leaf* if and only if it has no children
- The *depth* of the root of the tree is 0, and if the depth of a node is `d`, the depth of each of its children is `d+1`.
- The *lowest common ancestor* of a set `S` of nodes is the node `A` with the largest depth such that every node in S is in the subtree with root `A`.







isme vo sarre log jo depest level pe hai. unn sabhi nodes ka ek common anccestor btana hai. jese (g, h, k, l, m -> b CA bnega).

apna answer return krvado agar ek trf se answer ayega vohi CA hoga. agar dono trf se return ayega to root CA bnega.