Louest Common Ancestor of e. Bunary Tree

For this problem we use DFS recursion with the following idea:

[Key Insight:]

- If the current made is well, return null.
- · If the current mode is porg, return it (a node is an ancestor of itself).
 Recursively search left and right nubtrees:
- - If both left and right return non-mull current mode is the LCA.
 - If only one return non-mill propagate that node upworld.

Algorithm: 1

- 1. Start from root.
- 2. Recurively check left and right nubtrees.
- 3, Combine resulto:
 - · Both sides non-mill-, return current mode.
 - · Else return the Man-mull child.

(Emplicity: /

- · Time: D(u) virit each made suce.
- Frace: O(h) secursión stack (h = tree height!