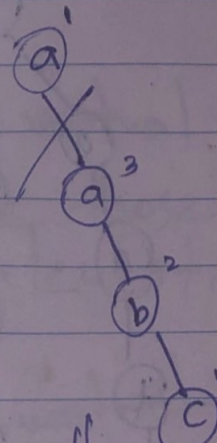
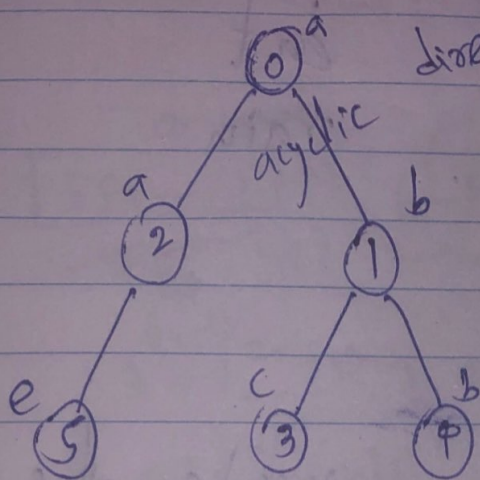


* Longest Path With Different Adjacent characters.

directed graph is here.
same char at adjacent nodes \rightarrow max count as 1



in each sub tree, take the longest & 2nd. (longest + 2nd longest + 1) is the longest for that subtree.

Return longest value for calculation of parent.