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⇒ IDF

Step1 :
initialize the tree with node and the parent leaf node
? mention the intial and the start node and also the final destination node.

find the destination node first

find() {
Using BFS method ():
level after level search for destination node.

if present
return level
else
go to next level

find the parent node using back tracking.

int parent_node() {
Back track the parent node to figure out the path.

Back track and print the node from start to End if found.

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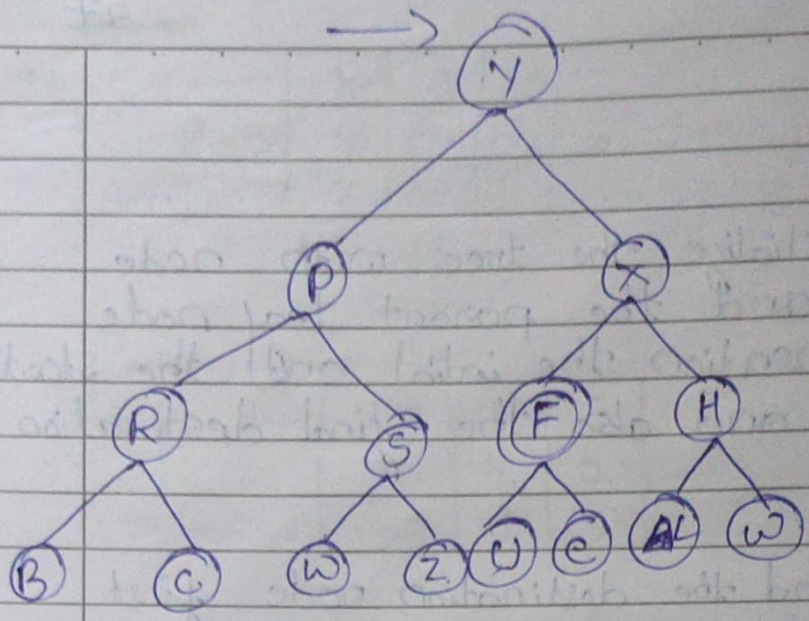

Start node → Y
destination node → F

BFS :-

Step 1 ⟶ Y

Step 2 ⟶ P , X

Step 3 ⟶ R S F

destination node found.

Now, backtracking to X → Y

F → X

Final State is

Y → X → F