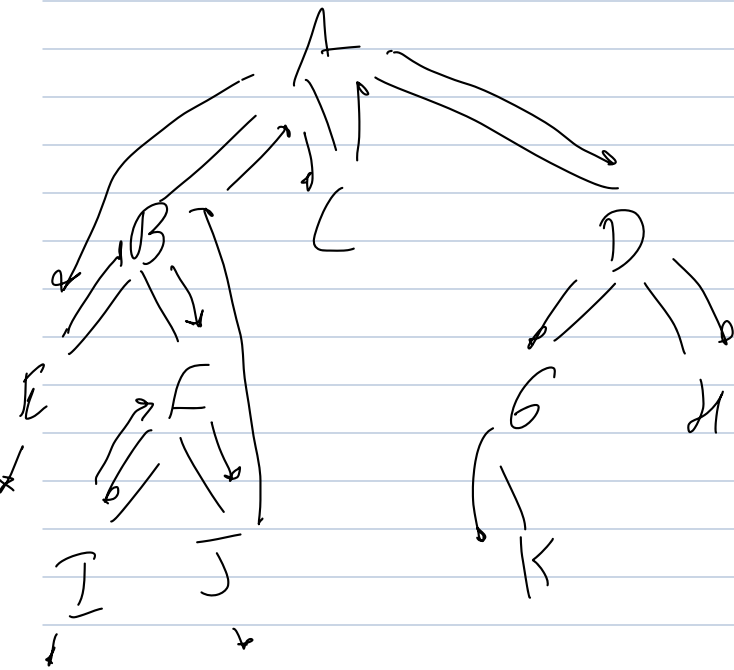


Given a tree

implement DFS to return an array of tree Node names, by

performing left-to-right tree search

e.g.



return

`["A", "B", "E", "F", "I", "J", "C", "D", "G", "K", "H"]`

`currentNode = "A"` ^{this is} _{name}

`if not currentNode == null`

`return array`

`array.append(currentNode.name)`

`for child in children:`

`DFS(---)`

graph data structure - like tree

for every node, add name to array

- for every child in children array,
- call DFS(array)

Start at A

add A

call DFS()

[A, B, E, F, I, J, C, D, G, K, H]

and so on

time ($V + E$)

space (V)