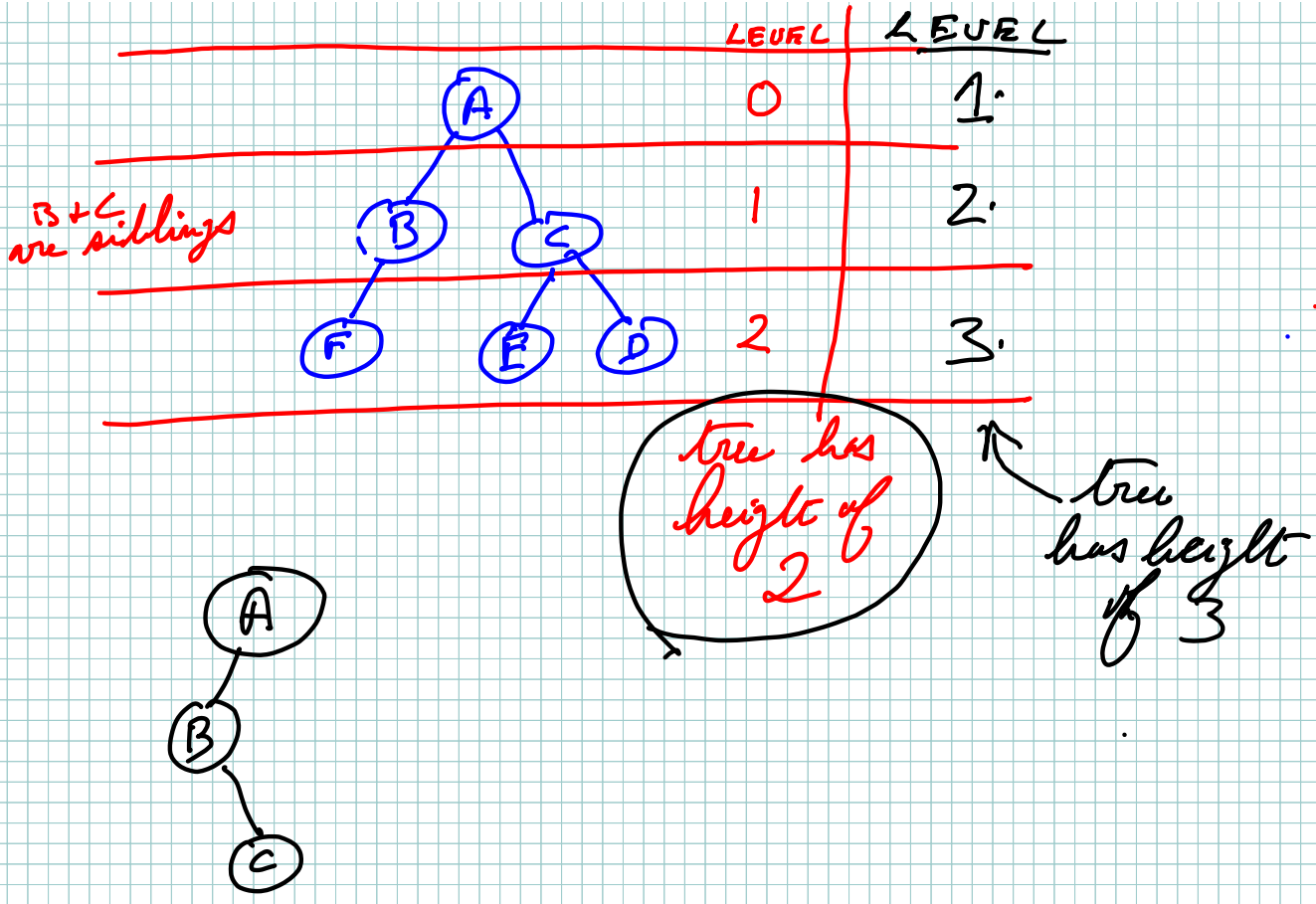
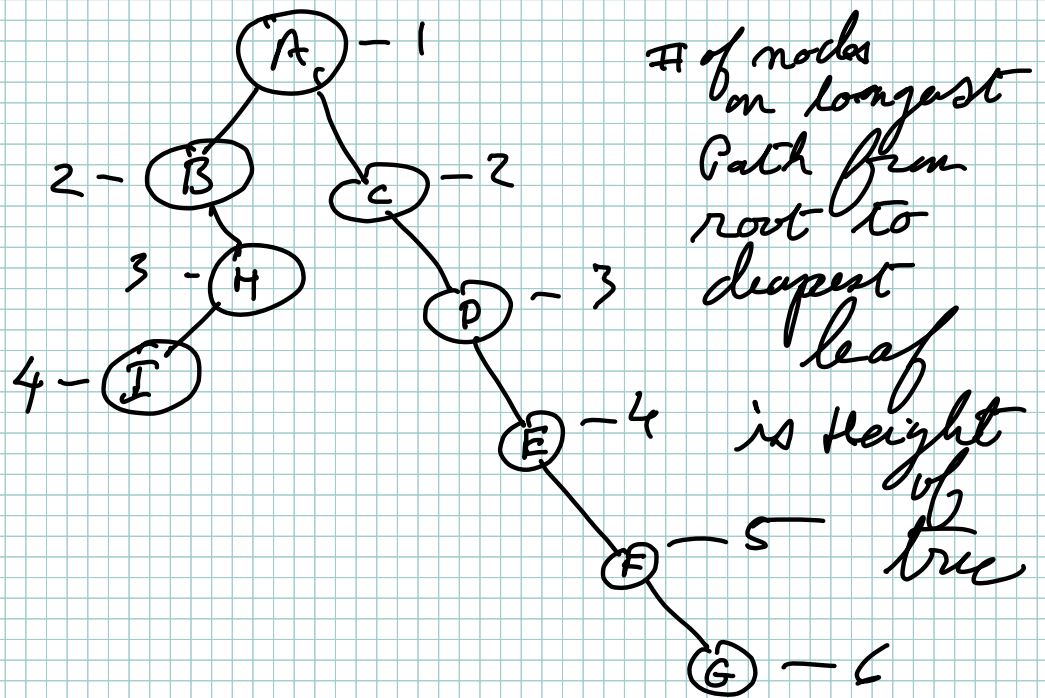
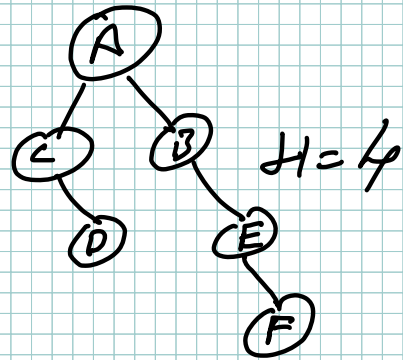
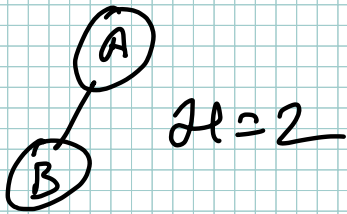


whole tree

^{TREE}
 BINARY every
 node can have
 at most 2 children





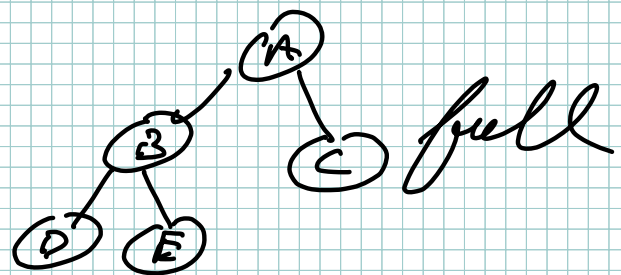
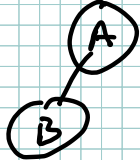


Full tree if every node has 0 or 2 children

(A) full

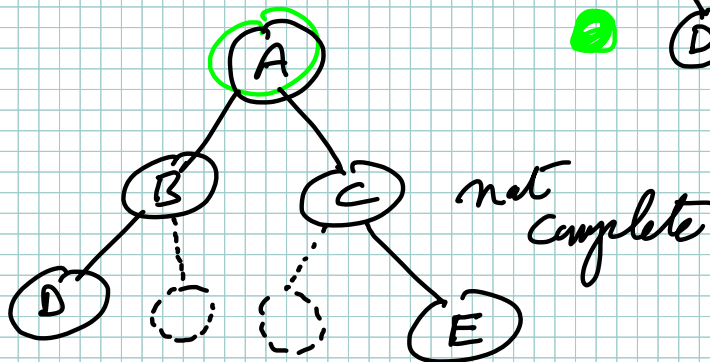
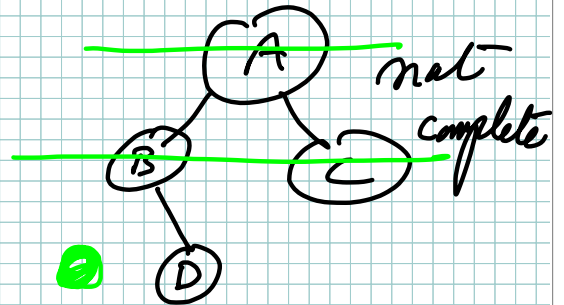
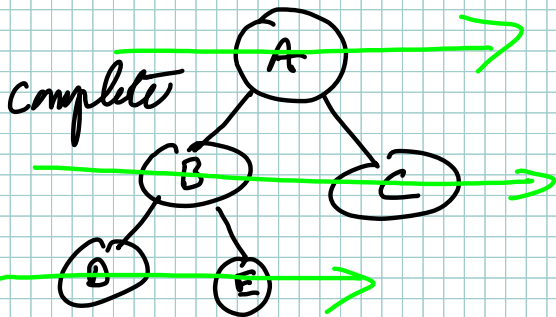
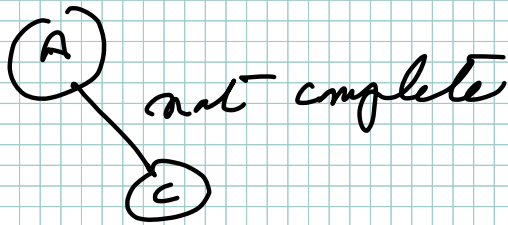
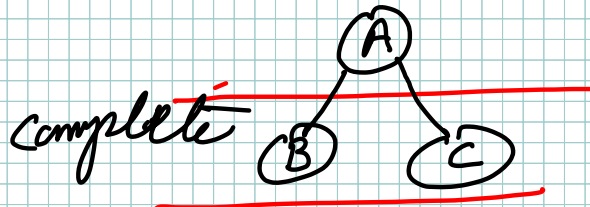
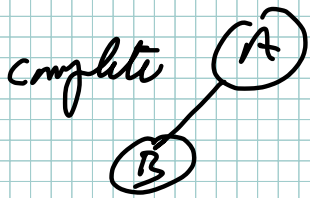
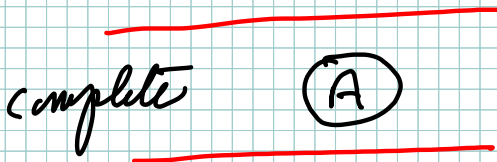


(A) not full

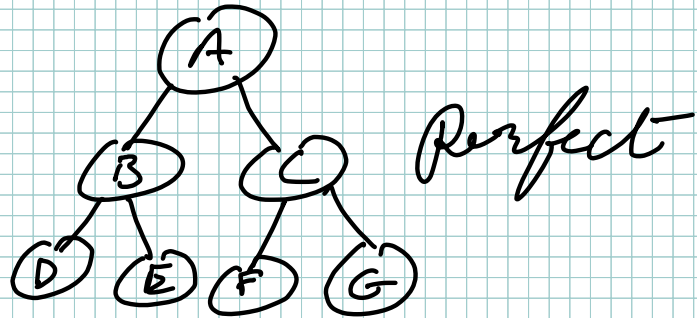
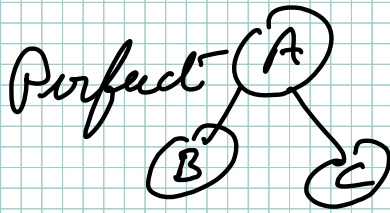


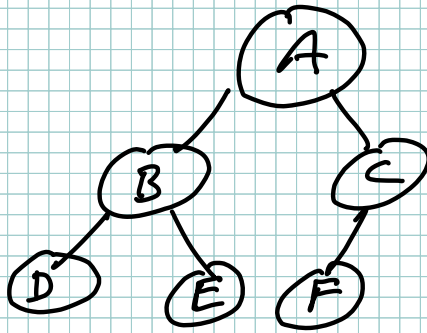
COMPLETE

if all levels, except last level, contain all possible nodes except last level has all possible nodes in left

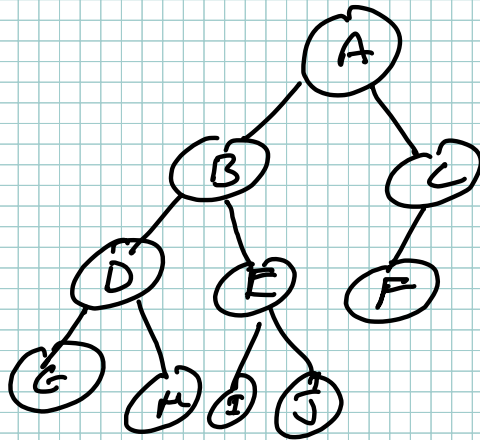


Perfect all internal nodes
have 2 children
& all leaf nodes are
at some level

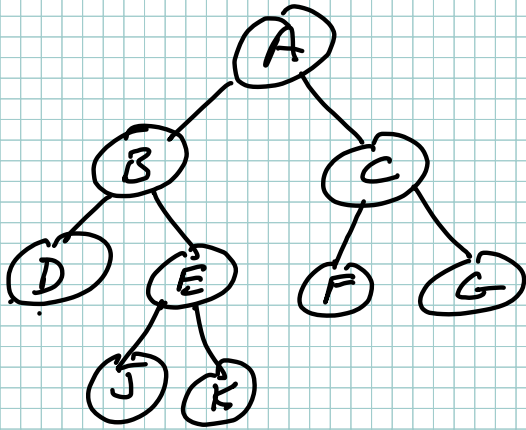




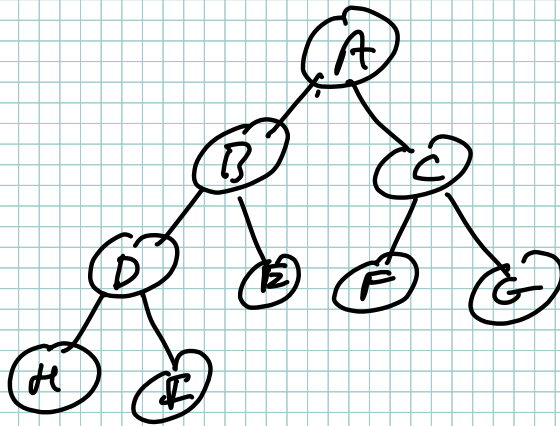
not full
complete
not perfect



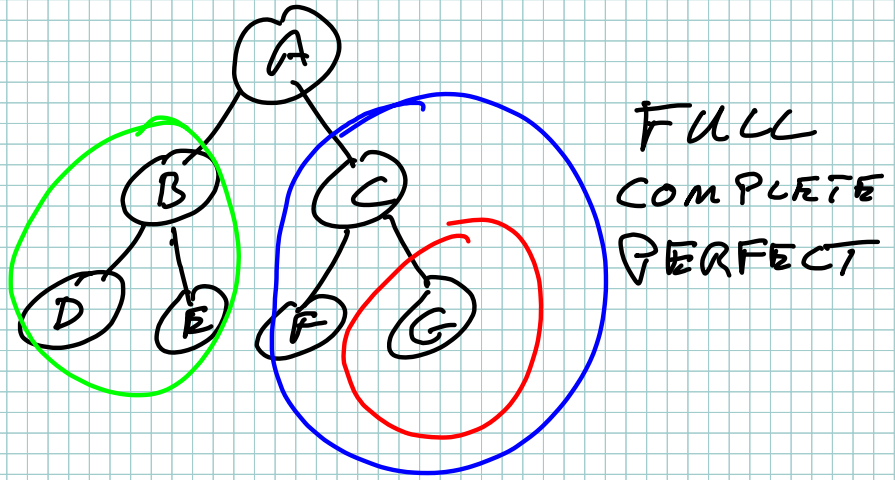
NOT FULL
NOT COMPLETE
NOT PERFECT

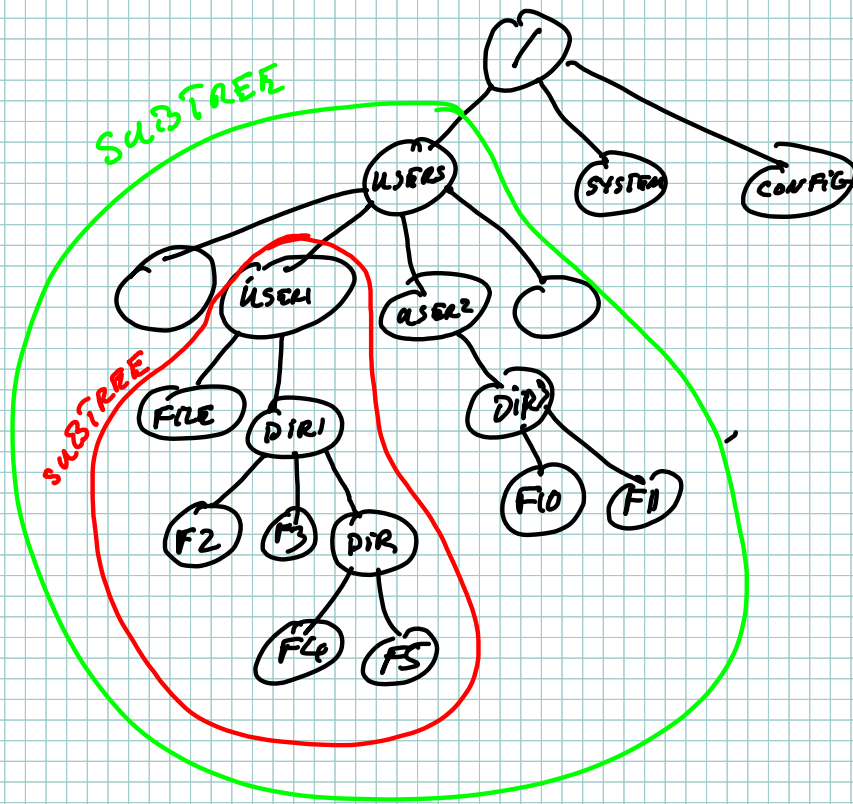


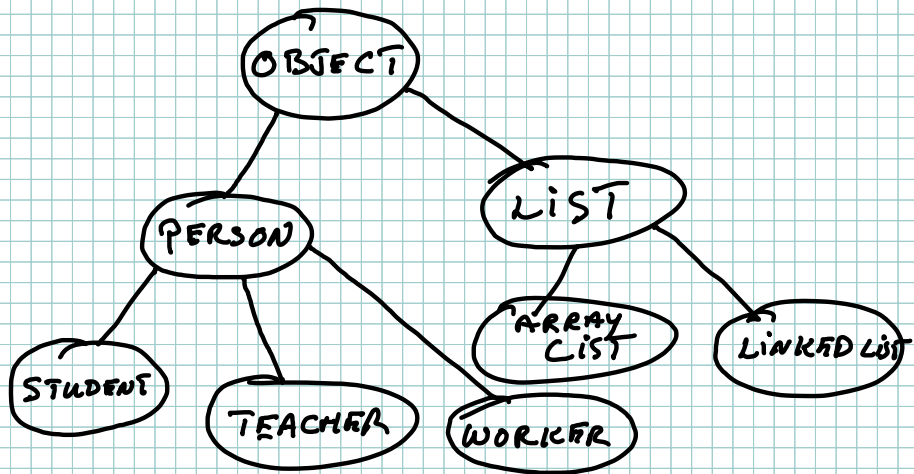
FULL
NOT COMPLETE
NOT PERFECT

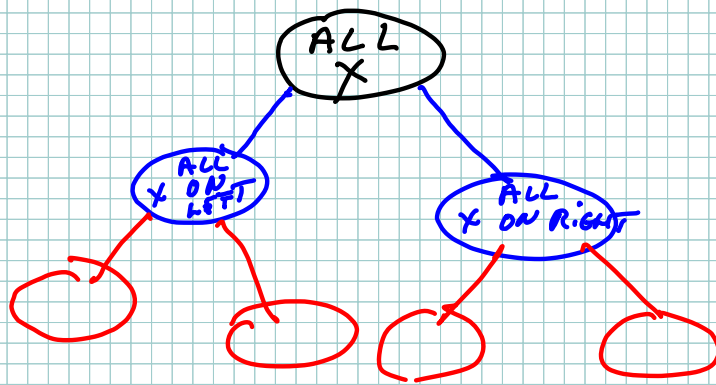
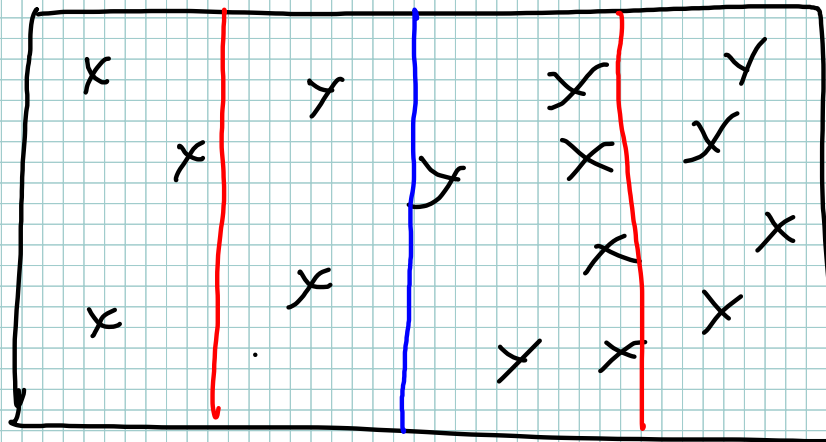


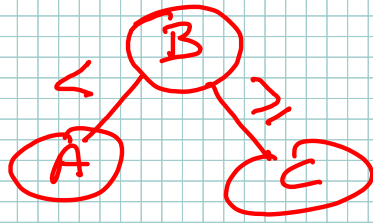
FULL
COMPLETE
NOT PERFECT



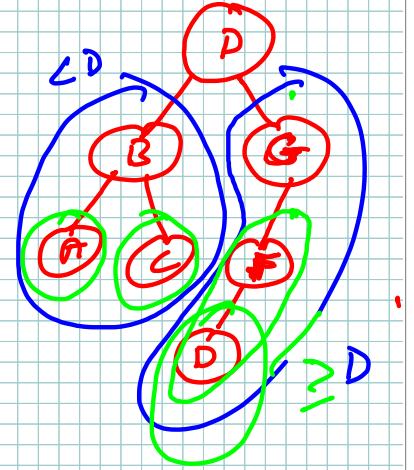
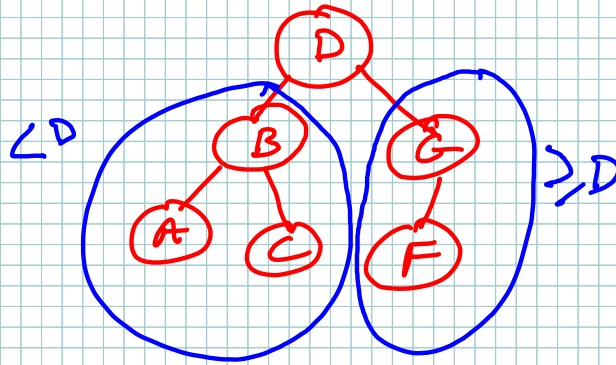








BINARY
SEARCH TREE
BST



BST

