Exam 1 Q1. R, Will have the maximum height. A height of any mode is the number of edges from one node to its leaf. So, if his the nort then all the nodes are connected to it so, I will have the number of edges, hence the maximum height There is not enough information to prove this.

Because to find a depth of a mode in a tree

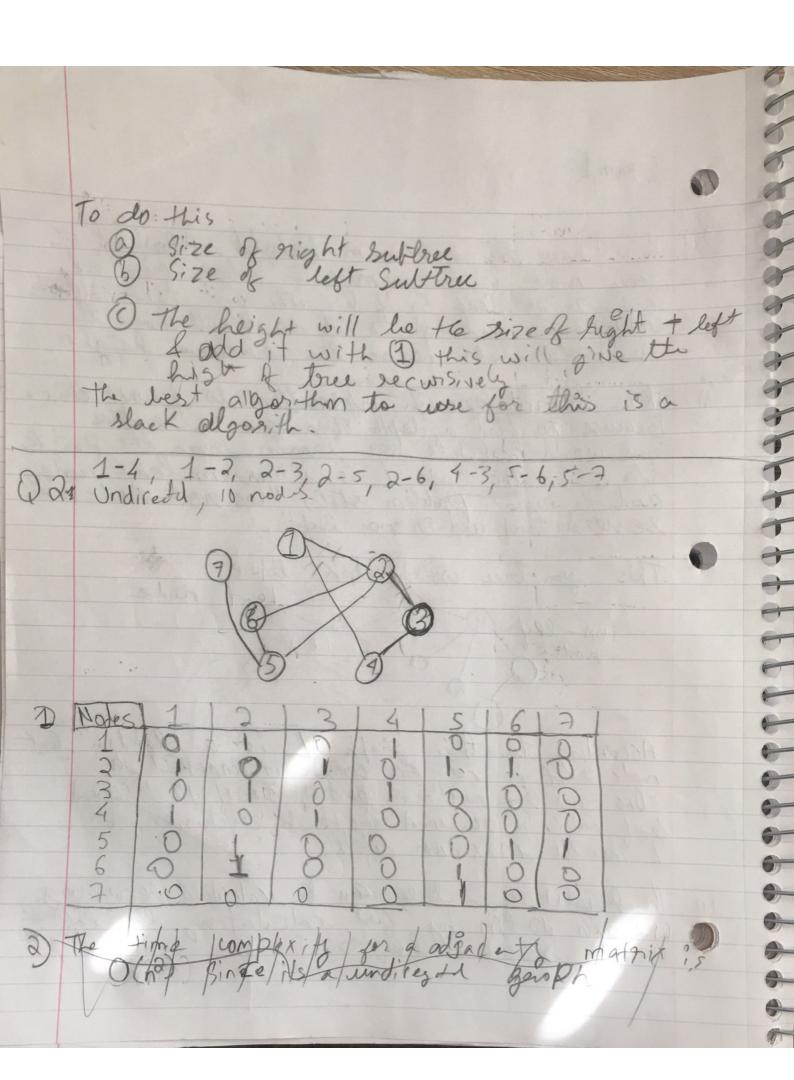
you would reakulate the length from the Root R,

to 6. In this case L is a random lent role

and the original problem states "one noot note & &

Several leaf and on even laf" This ges tree would look life According to this graph L is a "Random" lost node so if is not for certain it connected to "One - non leef rode" or part of one of the "served" loof rodes. So we cannot come to the conclusion that I has the maximum depth. The flight of a tore can be calculated recursively.

Sive can do this by first calculations the left of right subtrees, heights.



Scanned with CamScanner

