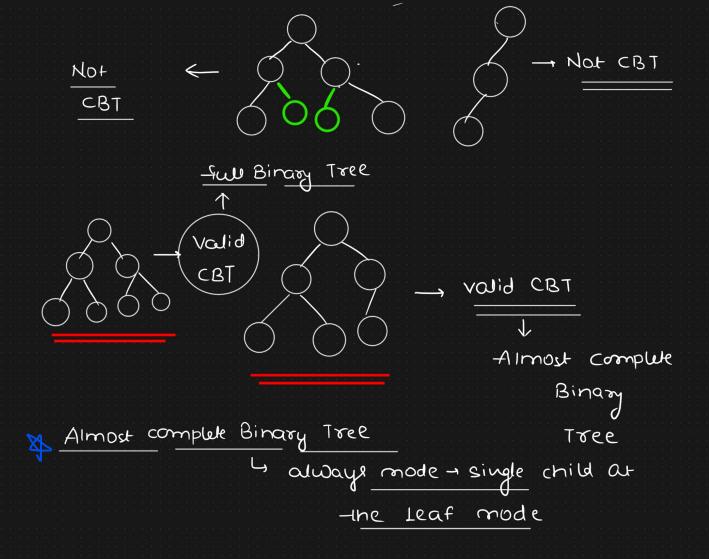


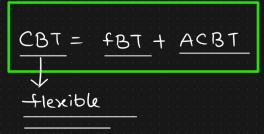
No child Node (Leave has no child node)

full Binary Tree > Every mode has 2 child modes apart from the leaf modes.

Complete binary tree - 1) After completion of first level,
then only move towards filling of mext
level.

2) After completion of left side mode, then only go for the completion of sight side

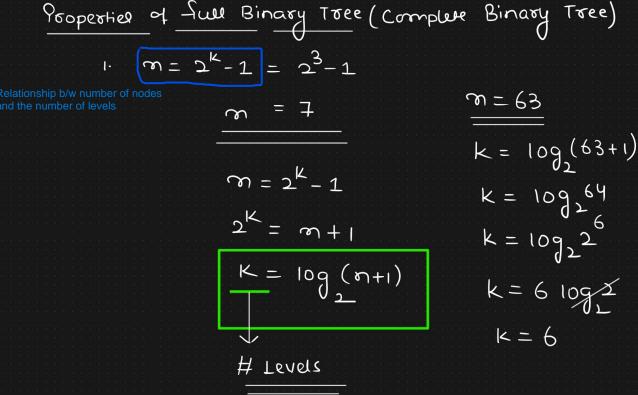




Complete binary tree is flexible as both Full Binary tree and the Almost complete binary tree can be represented in the form CBT.

$$\frac{1}{2} = \frac{1}{2}$$

Levels are indexed means if we are provided with 3 levels then it will be represented as 0th level, 1st level and 2nd level.



This is the Lower Bound or Floor division where n represents the number of nodes

This is the Lower at mon-leaf Nodes

This is the Lower at mon-leaf Nodes

This is the Lower at mon-leaf Nodes



To summarize Heap Data structure is the Complete Binary Tree