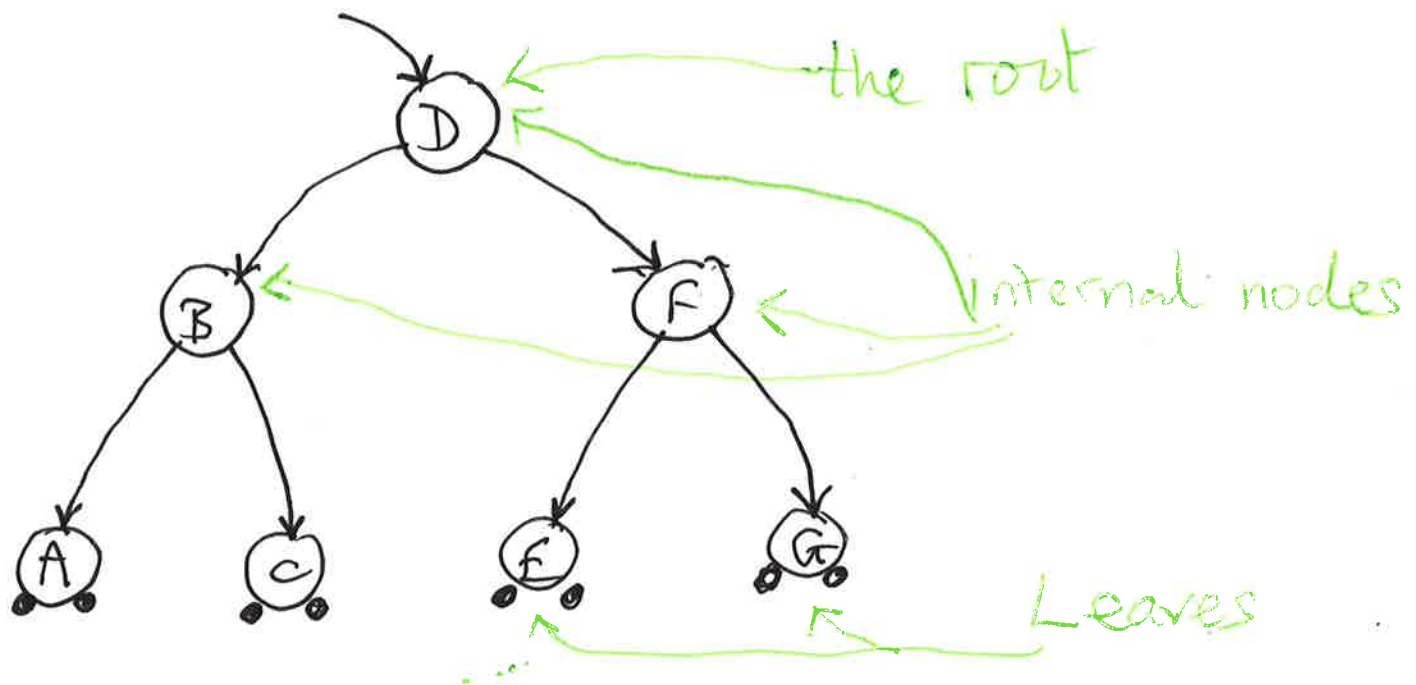


(a blob ● represents NULL)

A perfect binary tree of depth 3

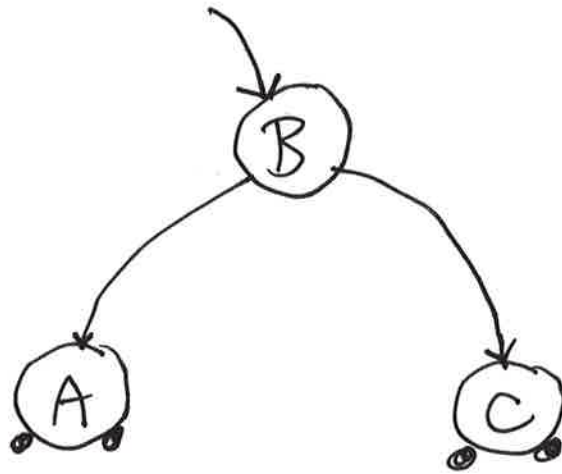


"perfect" means no gaps.

Leaves (no children) all same distance from root

number of nodes always = $2^{\text{depth}} - 1$

A perfect binary tree of depth 2



A perfect binary tree of depth 1

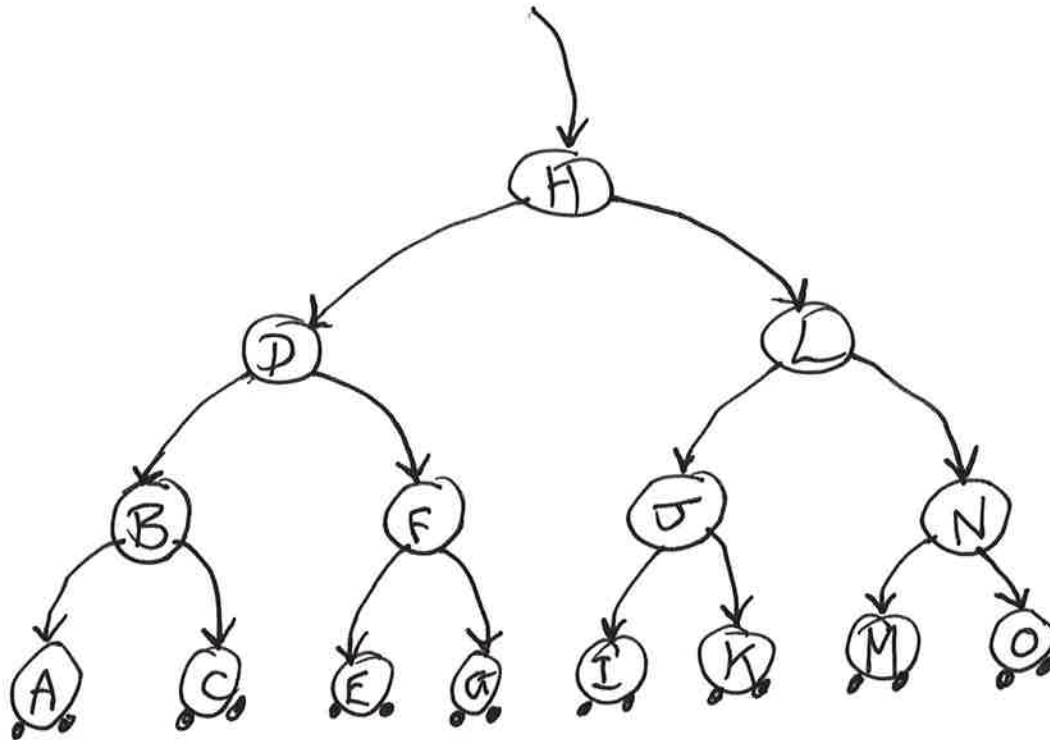


A perfect binary tree of depth O



(blob means NULL remember)

A perfect binary tree of depth 4



etc,