



Rooted Tree Terminology

- A leaf is a node with no children.
- Siblings are nodes with the same parent.
- The ancestors of a node d are the nodes on the path from d to the root. These include d's parent, d's parent's parent, d's parent's parent's parent, and so forth up to the root. Note that d's ancestors include d itself. The root is an ancestor of every node in the tree.
- If a is an ancestor of d, then d is a descendant of a.
- The length of a path is the number of edges in the path.
- The depth of a node n is the length of the path from n to the root. (The depth of the root is zero.)
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