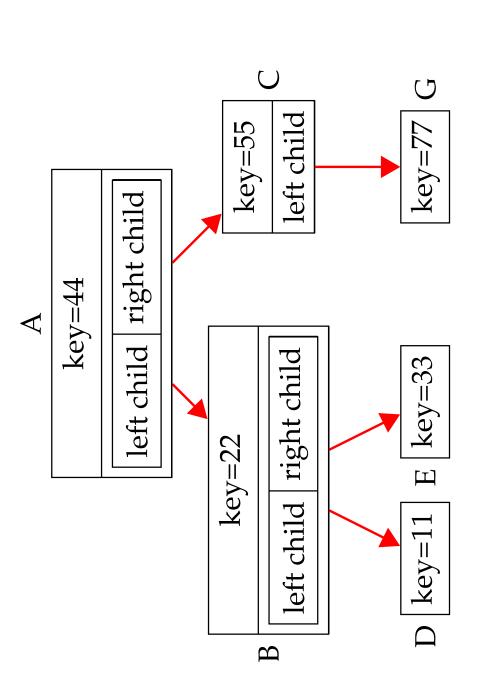
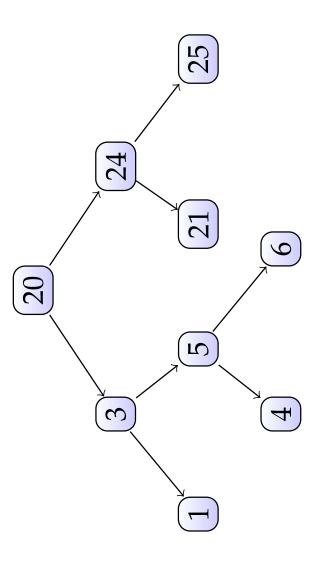
- arity of a tree: binary trees, ternary trees, k-ary trees, etc.
- root of a tree
- leaf of a tree
- child of a node
- parent of a node
- *ancestor* of a node
- *descendant* of a node
- sibling of a node

Binary Trees as a linked structure



- left sub-tree of a node
- right sub-tree of a node



Properties: If x and y are nodes, and

1. y is in the left sub-tree of x, then

2. y is in the right sub-tree of x, then

$$y.key \ge x.key$$