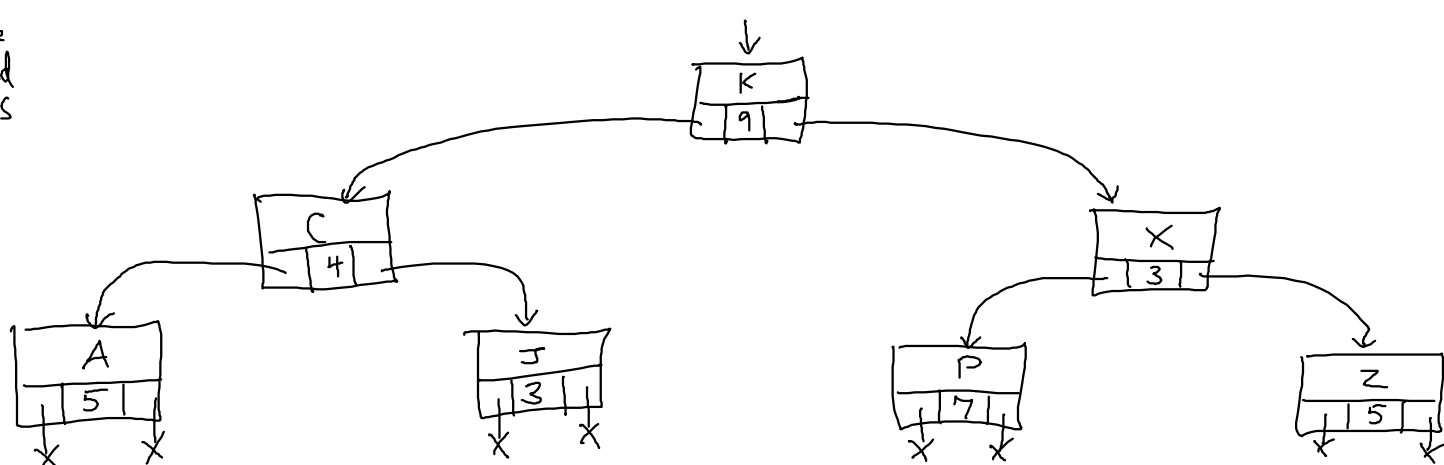


assume
sorted
keys

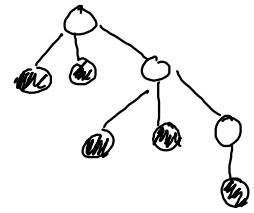


Binary Search Tree

Definitions

Node

Tree a collection of nodes



Child node pointed to by another node

Parent node points to another node

Descendant node that is either a child or descendant of a child

Ancestor node "above" other nodes (reverse)

Root node which is ancestor of all other nodes

Leaf node with no descendants (no children)



Binary Tree each node has at most one "left" child and one "right" child

Binary Search Tree a binary tree where, for every node, all left descendants have lesser key and all right descendants have greater key

