



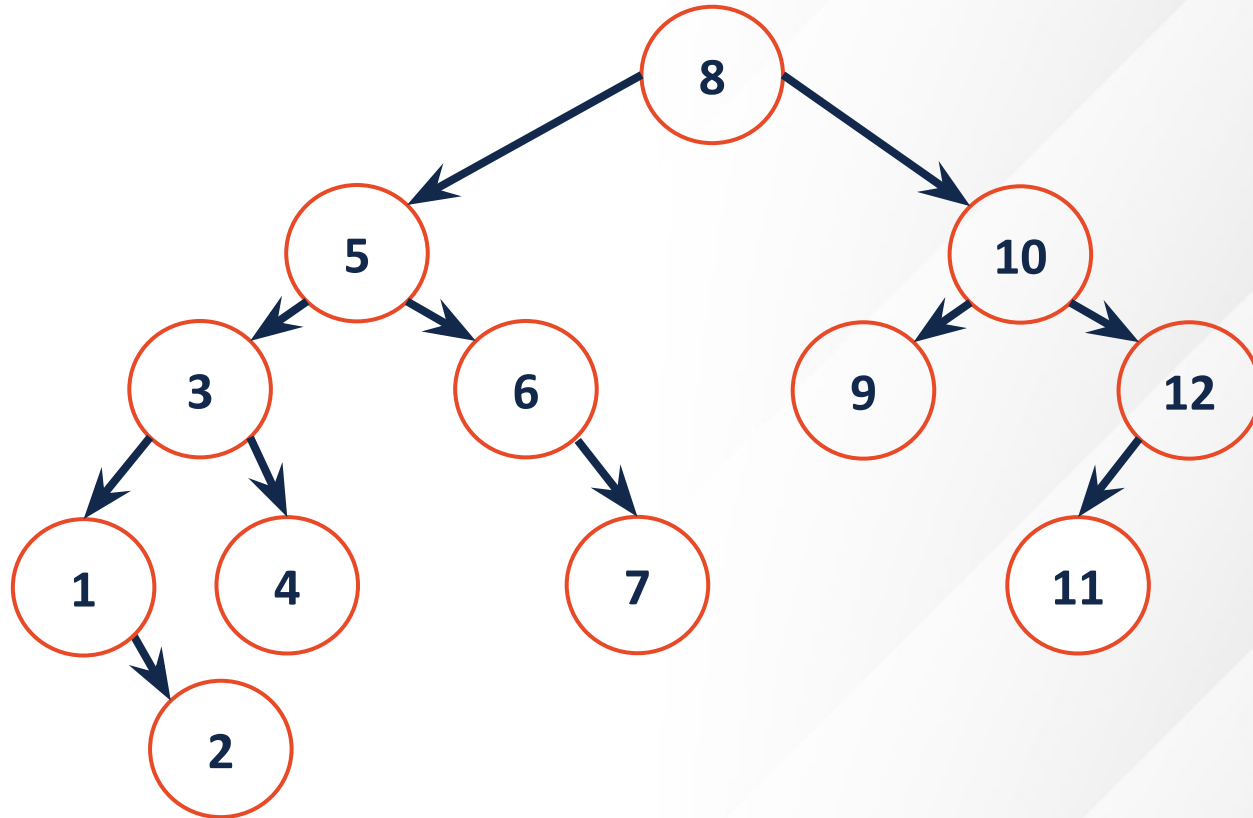
BTree Motivation

Learning Objectives

1. Understand the motivation behind BTrees



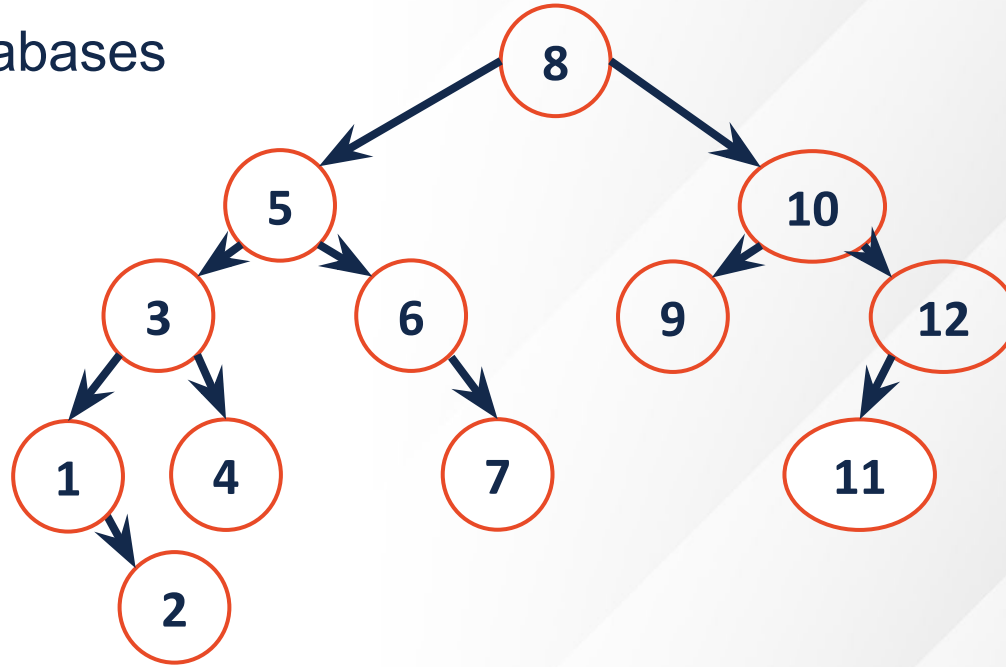
AVL Trees



Rate Limiting Factor - Seeks

Distributed Databases

Hard Disks



System Design

Goal: Minimize the number of reads!

Build a tree that uses _____ / node

1. Distributed Database - [1 network packet]
 - a. 1500 Bytes (1 MTU)
2. Hard Disk - [1 disk block]
 - a. Old Systems 512 Bytes
 - b. New Systems 4192 Bytes



