Week 7: Helpful Pointers

Topics: AVL Trees, Greedy Algorithms- Interval Scheduling, Minimizing Lateness, Huffman Coding

1. AVL Trees Given n number of nodes, what's the maximum height / minimum height (Know the heights of small trees and the relation); Dry runs- updates, insert into empty AVL; properties of AVL trees; Slopes of nodes before / after operations
2. Minimizing Lateness / Interval Scheduling- the minimum number of meetings / rooms, to schedule al appointments
3. Huffman Coding- properties; dry runs / how many bits required to encode.