

Spatial Collections

Kd-tree + quad tree

Digitized Ordered Collection

trie, compactTrie, compressedTrie

↓ at high-level understand

adv + disadv to Ordered Collection
data structures

Ordered Collection

Binary Search Tree

Balanced Search Tree (Rotation)

Red-Black Tree properties & insertion
I won't ask about deletion

B-trees (+ brief intro to B⁺-tree)

I won't ask about deletion (except in really easy case like in homework)

↑
only need to merge (reverse split)

Priority Queue
Binary Heap

Focus is up to here
3/4

Covered on Mid term

Hashing-based data structures
Open Addressing + Separate chaining

+ Also Direct Addressing