

Q2

Ordered → Map/Set
void put(Ee)
✓ boolean contains(Ee)
→ void delete(Ee)
✓ int size()
✓ boolean isEmpty()
✓ Ee ← min()
✓ Ee ← max()

List / Node
sorted / Array
binary search
K. ~~tree~~

Tree

invariant
heap property

parent
children
root
leaves

parent < children
priority sort

Set
TreeMap

↳ TreeNode

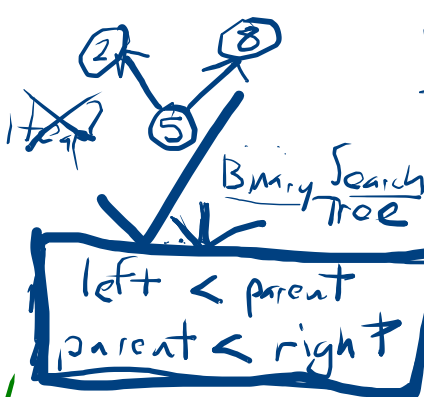
size

return
→ root.size()

TreeNode

size() {
if (null) {
return 0;
}
1 + left.size() + right.size();
}

Linked List



List Stack
↳ LinkedList

↓
↓
↓