Announcements/Reminders:

Last class:

• Heaps (finish)

• Binary Search Trees

Today:

• Binary Search Trees (cont'd)

  • Operations: print, lookup, min/max, succ/pred, insert, delete
Implementing BSTs

```java
public class BST<E extends Comparable<E>> {
    private BSTnode<E> root;
    public BST() { root = null; }
    public void insert(E key) throws { ... }
    public void delete(E key) { ... }
    public void boolean lookup(E key) { ... }
    public void print(PrintStream p) { ... }
    ...
}
```
BST print() method

Strategy:

Implementation:
BST lookup(E) method

Strategy:

Implementation:
Implementing \textit{min}/max on a BST
Finding successors and predecessors
Inserting into a BST

High-level algorithm/pseudocode:

Example
Deleting from a BST

High-level algorithm:

Example