2124123 Trees

Tree =
- acyclic - noteuden
- directed

4 ways to traverse:
- Preorder   - root, leftmost, goes right   LISP
- Inorder   - left root right   polish notation
- Post order - left right root   sorted tree   regular a
- level order - uses a queue   hp calculators, stack order
             - print by level

Binary search tree
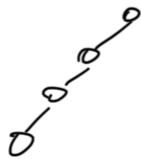"Balanced" each node has 2 children, even, ideal
- depth of logn if n is # of nodes
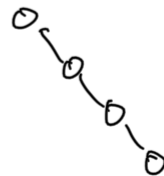- want random list, should come out balanced.
ordered list is bad

Unordered: ordered: reverse ordered:

The more entropy, the more info be my can