Tree traversals

- A traversal is a systematic way to visit all nodes of T.

- pre-order: root, children
  - parent comes before children; overall root first
- post-order: children, root
  - parent comes after children; overall root last


```
void preorder(T, v)
    visit v
    for each child w of v in T do
        preorder(w)



void postorder(T, v)
    for each child w of v in T do
        postorder(w)
    visit v
```

- Analysis: O(n)   [same arguments as before]