Trees are nothing new – they’re fancy linked lists:

**Theorem:** If there are n data items in our representation of a binary tree, then there are ___________ nullptrs.

---

**One Algorithm, Three Traversals:**

`BinaryTree.cpp`

```cpp
void BinaryTree<T>::___Order(TreeNode * cur) {
    if (cur != nullptr) {
        // Code for in-order traversal
        ___Order(cur->left);
        ___Order(cur->right);
    }
}
```

---

**Traversals:**
A Different Type of Traversal

Strategy:

BinaryTree.cpp

```cpp
void BinaryTree<T>::levelOrder(TreeNode *croot) {
}
```

Dictionary ADT

Dictionary.h

```cpp
#pragma once

class Dictionary {
    public:
        // ...
    private:
        // ...
};
```

A Searchable Binary Tree?

BST.h

```cpp
private:
```

CS 225 – Things To Be Doing:

1. Theory Exam 2 starts next Thursday (*10 days from now*)
2. MP3 extra credit deadline tonight
3. Upcoming Lab: lab_trees
4. Daily POTDs