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 ___________ `nullptr`s.

**One Algorithm, Three Traversals:**

```cpp
void BinaryTree<T>::__Order(TreeNode * cur) {
    if (cur != nullptr) {
        // code
    }
}
```
A Different Type of Traversal

Strategy:

```
BinaryTree.cpp

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

}
```

Traversals vs. Search:

Breadth First Search:

Depth First Search:

Dictionary ADT

```
Dictionary.h

#pragma once

class Dictionary {
    public:

    private:
        // ...

};
```

A Searchable Binary Tree?

```
BST.h

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