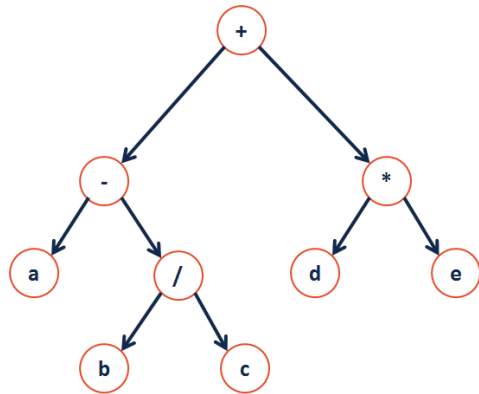
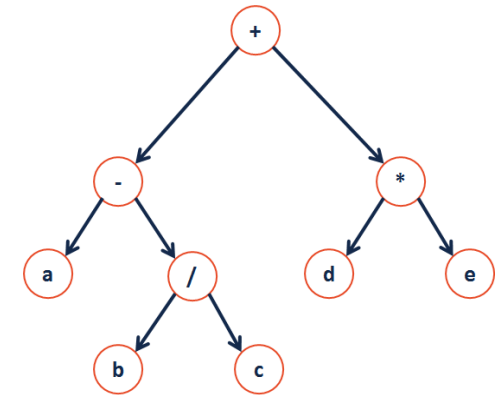


Thinking Reclusively:



A Different Type of Traversal

Strategy:



```

BinaryTree.cpp
TreeNode * BinaryTree<T>::_copy(TreeNode * root) {
    if (root != NULL) {
        }
    }
}
    
```

```

BinaryTree.cpp
void BinaryTree<T>::_clear(TreeNode * root) {
    if (root != NULL) {
        }
    }
}
    
```

```

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

Traversal vs. Search:

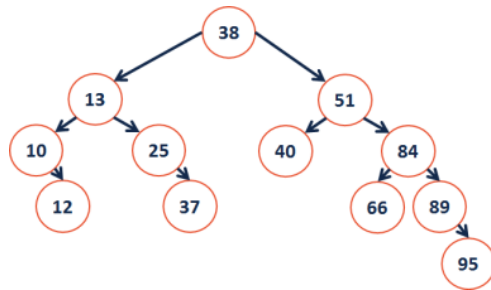
Breadth First Search:

Depth First Search:

## Dictionary ADT

```
Dictionary.h
1 #ifndef DICTIONARY_H
2 #define DICTIONARY_H
3
4
5 class Dictionary {
6     public:
7
8
9
10
11
12
13     private:
14
15 };
16 #endif
```

## A Searchable Binary Tree?



```
BST.h
private:
```

```
BST.cpp
        _find
        (TreeNode *& root, const K & key) const {

}

        _insert
        (TreeNode *& root, const K & key) const {

}
}
```

## CS 225 – Things To Be Doing:

1. Exam #5 Upcoming (Theory exam)
2. MP3 due this coming Monday, October 9, 2017
3. lab\_trees due Sunday, October 8, 2017
4. Daily POTDs