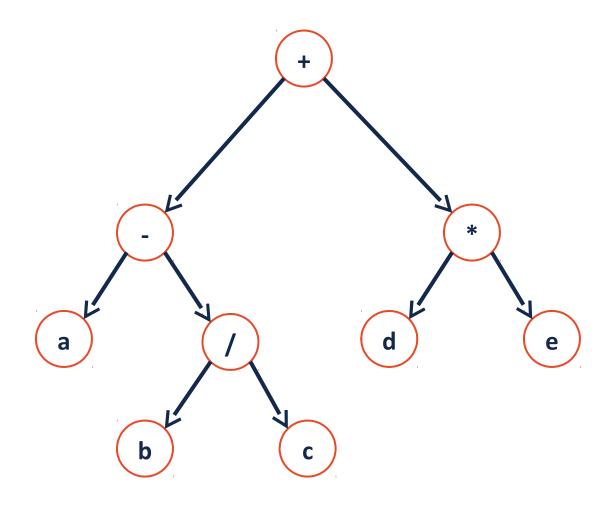
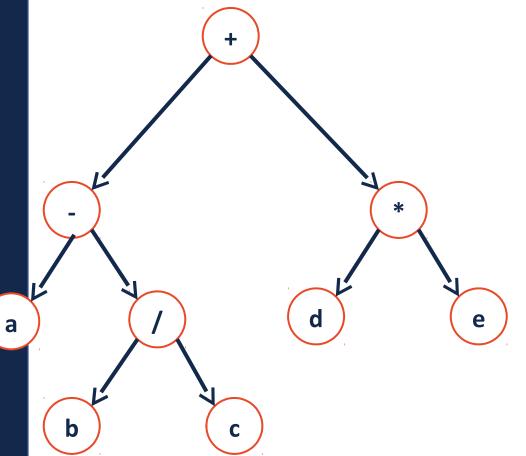
CS 400

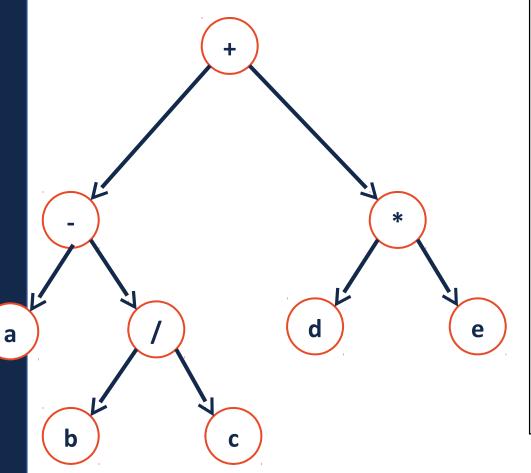
Tree Traversal

EXTRA-Tree-Traversal

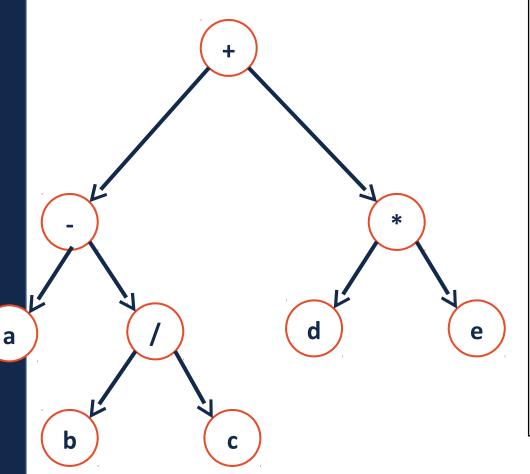




```
template<class T>
49
50
     void BinaryTree<T>:: Pre Order(TreeNode * cur)
51
           if( cur != NULL) {
             shout(cur);
          preOrder (cur->left);
52
          preOrder(cur->right);
53
54
55
56
57
58
```



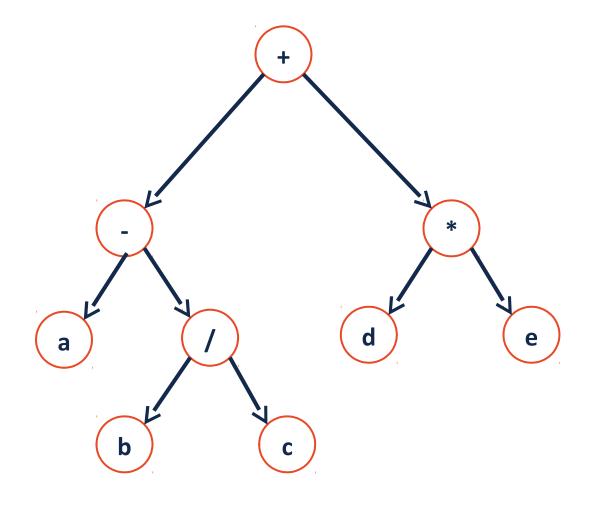
```
template<class T>
49
50
   void BinaryTree<T>::_in_Order(TreeNode * cur) {
51
      if (cur != NULL) {
52
53
          in Order(cur->left);
                Shout (cur)
54
55
          in Order(cur->right);
56
57
58
```



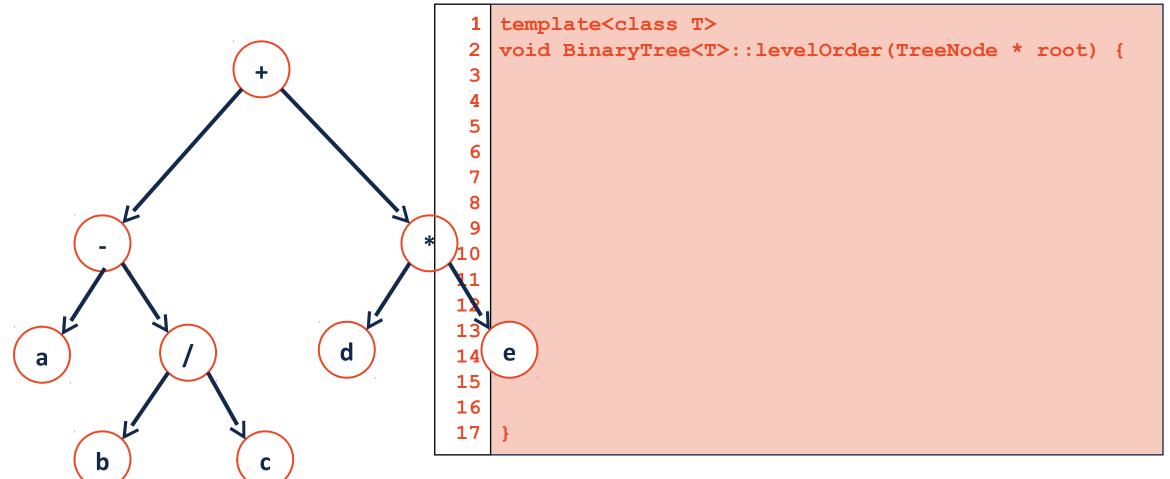
```
Left, right, shout
    template<class T>
49
50
   void BinaryTree<T>:: post Order(TreeNode * cur) {
51
       if (cur != NULL) {
52
53
          post Order(cur->left);
54
55
          post Order(cur->right);
56
          shout(cur)
57
58
```



A Different Type of Traversal



A Different Type of Traversal



Traversal vs. Search

Traversal

Search