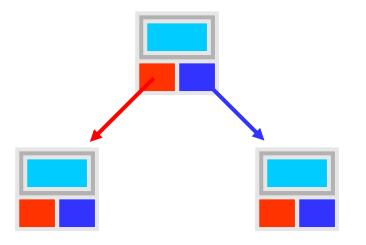
PRE-ORDER TRAVERSAL

Outline of Pre-Order Traversal

- Three principle steps:
 - Do work (Current)
 - Traverse Left
 - Traverse Right
- Work can be anything
- Separate work from traversal



- •Traverse the tree "Pre-order":
 - -Visit the current and do work
 - -Visit the tree's left sub-tree
 - -Visit right sub-tree

Pre-Order Traversal Procedure

```
procedure Pre Order (cur iot in Ptr toa Tree Node)
 // Purpose: perform pre-order traversal, call
             DoWhatever for each node
 // Preconditions: cur points to a binary tree
 // Postcondition: DoWhatever will be performed
 // on each tree node in "pre-order" order
     if ( cur <> NIL ) then
       Do Whatever ( cur^.data )
       Pre Order( cur^.left child )
       Pre Order( cur^.right child )
    endif
 endprocedure // Pre Order
```

