







Agenda

- Another induction example
- Finish Tree iterators
- > WA4 hints, questions
- More binary trees
- + # of nodes in Binary tree with height h
- Displayable Binary Trees







Treelterator class's fields and methods

```
protected BinaryTree t;
                          // Tree
protected BinaryNode current;
                               // Current position
public TreeIterator( BinaryTree theTree ) {
   t = theTree;
    current = null;
}
abstract public void first( );
final public boolean isValid( ) {
   return current != null;
}
final public Object retrieve( ) {
    if ( current == null )
        throw new NoSuchElementException( );
    return current.getElement( );
}
abstract public void advance( );
```





















































