

## 20. Trees :: Binary Trees :: Java Implementation :: *BinaryTree<E>* Pruning

```
public class Main implements BinaryTreeVisitor<Integer> {
    public static void main(String[] pArgs) { new Main().run(); }
    private void run() {
        BinaryTree<Integer> tree = new BinaryTree<>(1);
        BinaryTree.Iterator<Integer> it = tree.iterator();
        it.addLeft(2); it.addRight(3);
        it.moveLeft(); it.addLeft(4); it.addRight(5);
        it.moveUp(); it.moveRight(); it.addLeft(6); it.addRight(7);
        tree.traverse(BinaryTree.LEVEL_ORDER, this); System.out.println();
        it.moveToRoot();
        it.moveRight();
        it.pruneLeft();
        it.moveToRoot();
        it.pruneLeft();
        tree.traverse(BinaryTree.LEVEL_ORDER, this);
        it.prune();
        tree.traverse(BinaryTree.LEVEL_ORDER, this);
    }
    @Override public void visit(Integer pData) { System.out.print(pData + " "); }
}
```

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