Quiz 4

Name: _____   NetID: _____

Problem:

In a `BinaryTree`, we call a position "element-balanced" for an element `E elem` if there are just as many positions in the left subtree with element `elem` as there are in the right subtree. Implement a method

```
static <E> int numNotElemBalanced(BinaryTree<E> tree, E elem)
```

that returns the number of nodes in `tree` that are not element balanced for the element `elem`. The method must be recursive and efficient.

Method Signature:

```
static <E> int numNotElemBalanced(BinaryTree<E> tree, E elem)
```