Parameter passing mechanisms and aliasing: example

Consider the following Java method

```
class aClass {
 private int n;
 public aClass(int i) {
     n = i;
  } //constructor
 public void confusing (aClass another) {
   n = n * 2;
   another.n = another.n +1;
  } // confusing
} // aClass
```

and code in which this method is called:

```
aClass obj1 = new aClass(42);
obj1.confusing(obj1);
```

Trace through the execution of the call to the method confusing, showing the values of obj1.n before the call, through the execution of the method, and on exit from the method, explaining why aliasing occurs here.

What if we add the following method to aClass?

```
public int tricky(int i) {
n = n * 2;
i = i + 1;
return i;
} // tricky
```

and call with

```
int i = obj1.tricky(obj1.n);
```

What's the value of obj1.n after this call? What about after this call (assuming we made n public?

```
obj1.n = obj1.tricky(obj1.n);
```