

ASTAssign.java

```
1 package AST;
2
3 import iValue.IValue;
4
5
6
7 public class ASTAssign implements ASTNode {
8
9     private ASTNode ref;
10    private ASTNode newV;
11
12    public ASTAssign(ASTNode ref, ASTNode newV) {
13        this.ref = ref;
14        this.newV = newV;
15    }
16
17    @Override
18    public IValue eval(Environment e) {
19        IValue v1 = ref.eval(e);
20        if(v1 instanceof VCell) {
21            IValue v2 = newV.eval(e);
22            VCell cell = (VCell)v1;
23            cell.set(v2);
24            return cell.get();
25        }else {
26            throw new Error("Not a reference cell");
27        }
28    }
29
30 }
31
```