

ASTIf.java

```
1 package AST;
2
3 import iValue.IValue;
4
5
6
7 public class ASTIf implements ASTNode {
8
9     ASTNode cond;
10    ASTNode exp1;
11    ASTNode exp2;
12
13    public ASTIf(ASTNode cond, ASTNode exp1, ASTNode exp2) {
14        this.cond = cond;
15        this.exp1 = exp1;
16        this.exp2 = exp2;
17    }
18
19    @Override
20    public IValue eval(Environment e) {
21        IValue v1 = cond.eval(e);
22        if (v1 instanceof VBool) {
23            return ((VBool) v1).get() ? exp1.eval(e) : exp2.eval(e);
24        } else {
25            throw new Error("Not a valid condition");
26        }
27    }
28
29 }
30
```