

```
1 package AST;
2
3 import iValue.IValue;
4
5
6
7
8 public class ASTGT implements ASTNode {
9
10     ASTNode exp1;
11     ASTNode exp2;
12
13     public ASTGT(ASTNode exp1, ASTNode exp2) {
14         this.exp1 = exp1;
15         this.exp2 = exp2;
16     }
17     @Override
18     public IValue eval(Environment e) {
19         IValue v1 = exp1.eval(e);
20         if(v1 instanceof VInt) {
21             int left = ((VInt) v1).getVal();
22             IValue v2 = exp2.eval(e);
23             if(v2 instanceof VInt) {
24                 int right = ((VInt) v2).getVal();
25                 return new VBool(left > right);
26             }else {
27                 throw new Error("Right operator must be an Integer");
28             }
29         }else {
30             throw new Error("Left operator must be an Integer");
31         }
32     }
33
34 }
35
```