mar. 01 mars 2016 01:32:04 CETmiddleend/kast/KEchange.java Page 1 package microjs.jcompiler.middleend.kast; import java_cup.runtime.ComplexSymbolFactory.Location; public class KEchange extends KStatement { private String name_g; private String name_d; public KEchange(String name_g, String name_d, Location startPos, Location endPos) { super(startPos, endPos); this.name_g = name_g; this.name_d = name_d; public void accept(KASTVisitor visitor) { visitor.visit(this); public String getVarNameG() { return name_g; public String getVarNameD() { return name_d;

mar. 01 mars 2016 02:05:50 CFffiddleend/kast/KASTVisitor.java Page 1 package microjs.jcompiler.middleend.kast; public interface KASTVisitor { /* program visitor */ public void visit(KProg prog); /* statement visitors */ public void visit(KVoidExpr stmt); public void visit(KVar stmt); public void visit(KIf stmt); public void visit(KSeq stmt); public void visit(KAssign stmt); public void visit(KReturn stmt); /* expression visitors */ public void visit(KInt expr); public void visit(KTrue expr); public void visit(KFalse expr); public void visit(KEVar expr); public void visit(KCall expr); public void visit(KClosure expr); public void visit(KEchange stmt);

```
mar. 01 mars 2016 10:16:46 CEffiddleend/kast/KPrettyPrint.java
                                                                     Page 3
public void visit(KEVar expr) {
        indent();
        buf.append("KEVar(");
        buf.append(expr.getName());
        buf.append(")");
public void visit(KCall expr) {
        indent();
        buf.append("KCall[\n");
        indent_level++;
        expr.getFun().accept(this);
        buf.append("\n");
        indent_level--;
        indent();
        buf.append("](\n");
        indent_level++;
        String sep = "";
        for(KExpr arg : expr.getArguments()) {
                buf.append(sep);
                if(sep.equals("")) {
                        sep = ",\n";
                arg.accept(this);
        buf.append("\n");
        indent_level--;
        buf.append(")");
public void visit(KClosure expr) {
        indent();
        buf.append("KClosure(");
        String sep = "";
        for(String param : expr.getParams()) {
                buf.append(sep);
                if(sep.equals("")) {
                        sep = ", ";
                buf.append(param);
        buf.append(")[\n");
        indent_level++;
        expr.getBody().accept(this);
        buf.append("\n");
        indent_level--;
        indent();
        buf.append("]");
public void visit(KEchange stmt) {
        indent();
        buf.append("KEchange(\n");
        buf.append(stmt.getVarNameG());
        buf.append(",");
        buf.append(stmt.getVarNameD());
        buf.append(")");
        buf.append("\n");
@Override
public String toString() {
        return buf.toString();
```