block_0:
s0_4 = 0;
result = s0_4;
s0_4 = this;
s0_4 = ((io.github.r1mao.algorithm.SSAGenerator)s0_4).method;
s0_4 = ((io.github.r1mao.ir.IRMethod)s0_4).getBasicBlocks();
s0_4 = ((java.util.ArrayList)s0_4).iterator();
var2 = s0_4;

block_1:
s0_4 = var2;
s0_4 = ((java.util.Iterator)s0_4).hasNext();
if(s0_4 == 0) goto block_19; else goto block_2;

block_2:
s0_4 = var2;
s0_4 = ((java.util.Iterator)s0_4).next();
s0_4 = (io.github.r1mao.ir.IRBasicBlock) s0_4;
bb = s0_4;
s0_4 = new java.util.ArrayList();
s4_4 = s0_4;
((java.util.ArrayList)s4_4).<init>();
rubbishCode = s0_4;
s0_4 = bb;
s0_4 = ((io.github.r1mao.ir.IRBasicBlock)s0_4).getCode();
s0_4 = ((io.github.r1mao.ir.CodeBlock)s0_4).getIRCode();
s0_4 = ((java.util.LinkedList)s0_4).iterator();
var5 = s0_4;

block_19:
s0_4 = result;
if(s0_4 != 0) goto block_0; else goto block_20;

block_20:
return;

block_3:
s0_4 = var5;
s0_4 = ((java.util.Iterator)s0_4).hasNext();
if(s0_4 == 0) goto block_15; else goto block_4;

block_4:
s0_4 = var5;
s0_4 = ((java.util.Iterator)s0_4).next();
s0_4 = (io.github.r1mao.ir.IRStatement) s0_4;
stmt = s0_4;
s0_4 = stmt;
s0_4 = s0_4 instanceof io.github.r1mao.ir.code.StmtAssignment;
if(s0_4 == 0) goto block_10; else goto block_5;

block_15:
s0_4 = rubbishCode;
s0_4 = ((java.util.ArrayList)s0_4).iterator();
var5 = s0_4;

block_16:
s0_4 = var5;
s0_4 = ((java.util.Iterator)s0_4).hasNext();
if(s0_4 == 0) goto block_18; else goto block_17;

block_5:
s0_4 = stmt;
s0_4 = (io.github.r1mao.ir.code.StmtAssignment) s0_4;
assign = s0_4;
s0_4 = assign;
s0_4 = ((io.github.r1mao.ir.code.StmtAssignment)s0_4).getDefValue();
def = s0_4;
s0_4 = def;
if(s0_4 == null) goto block_9; else goto block_6;

block_17:
s0_4 = var5;
s0_4 = ((java.util.Iterator)s0_4).next();
s0_4 = (io.github.r1mao.ir.IRStatement) s0_4;
stmt = s0_4;
s0_4 = bb;
s0_4 = ((io.github.r1mao.ir.IRBasicBlock)s0_4).getCode();
s0_4 = ((io.github.r1mao.ir.CodeBlock)s0_4).getIRCode();
s4_4 = stmt;
s0_4 = ((java.util.LinkedList)s0_4).remove(s4_4);
goto block_16;

block_18:
goto block_1;

block_6:
s0_4 = def;
s0_4 = ((io.github.r1mao.ir.code.Value)s0_4).getValueType();
s4_4 = (io.github.r1mao.ir.code.Value).STATIC_VALUE;
if(s0_4 != s4_4) goto block_9; else goto block_7;

block_10:
s0_4 = stmt;
s0_4 = s0_4 instanceof io.github.r1mao.ir.code.ssa.StmtPhiNode;
if(s0_4 == 0) goto block_14; else goto block_11;

block_7:
s0_4 = def;
s0_4 = (io.github.r1mao.ir.code.ssa.StaticValue) s0_4;
staticValue = s0_4;
s0_4 = staticValue;
s0_4 = ((io.github.r1mao.ir.code.ssa.StaticValue)s0_4).getUsers();
s0_4 = ((java.util.ArrayList)s0_4).size();
if(s0_4 != 0) goto block_9; else goto block_8;

block_11:
s0_4 = stmt;
s0_4 = (io.github.r1mao.ir.code.ssa.StmtPhiNode) s0_4;
phiNode = s0_4;
s0_4 = phiNode;
s0_4 = ((io.github.r1mao.ir.code.ssa.StmtPhiNode)s0_4).getValue();
def = s0_4;
s0_4 = def;
s0_4 = ((io.github.r1mao.ir.code.Value)s0_4).getValueType();
s4_4 = (io.github.r1mao.ir.code.Value).STATIC_VALUE;
if(s0_4 != s4_4) goto block_14; else goto block_12;

block_8:
s0_4 = rubbishCode;
s4_4 = assign;
s0_4 = ((java.util.ArrayList)s0_4).add(s4_4);
s0_4 = 1;
result = s0_4;
s0_4 = staticValue;
(io.github.r1mao.ir.code.ssa.StaticValue).releaseValue(s0_4);

block_9:
goto block_14;

block_12:
s0_4 = def;
s0_4 = (io.github.r1mao.ir.code.ssa.StaticValue) s0_4;
staticValue = s0_4;
s0_4 = staticValue;
s0_4 = ((io.github.r1mao.ir.code.ssa.StaticValue)s0_4).getUsers();
s0_4 = ((java.util.ArrayList)s0_4).size();
if(s0_4 != 0) goto block_14; else goto block_13;

block_13:
s0_4 = rubbishCode;
s4_4 = phiNode;
s0_4 = ((java.util.ArrayList)s0_4).add(s4_4);
s0_4 = 1;
result = s0_4;
s0_4 = staticValue;
(io.github.r1mao.ir.code.ssa.StaticValue).releaseValue(s0_4);

block_14:
goto block_3;