

Source WHILE	Code intermédiaire
<pre> if E1 then C1 else C2 fi </pre>	<pre> { E.place = ε E.true = newLabel(); E.false = newLabel(); E.end = newLabel(); E.code = E1.code(E.true, E.false) · <label E.true, _, _, _> · C1.code · <goto E.end, _, _, _> · <label E.false, _, _, _> · C2.code · <label E.end, _, _, _> } </pre>
<pre> while E1 do C od </pre>	<pre> { E.place = ε E.body = newLabel(); E.ifFalse = newLabel(); E.cond = newLabel(); E.code = <label E.cond, _, _, _> · E1.code(E.body, E.ifFalse) · <label E.body, _, _, _> · C.code · <goto E.cond, _, _, _> · <label E.ifFalse, _, _, _> } </pre>
<pre> nop </pre>	<pre> { E.place = ε E.code = <nop, _, _, _> } </pre>
<pre> V1, Vn := E1, En </pre>	<pre> { E.place = ε E.code = E1.code · <write, _, E1.place, _> · En.code · <write, _, En.place, _> · <read, Vn, _, _> · <read, V1, _, _> } </pre>
<pre> for E1 do C od </pre>	<pre> { E.place = newVariable(); E.body = newLabel(); E.end = newLabel(); E.code = <write, _, E1.place, _> · <read, E.place, _, _> · E1.code · <label E.body, _, _, _> · <iff E.end, _, E.place, _> · C.code · <t1, E.place, E.place, _> · <goto E.body, _, _, _> } <label E.end, _, _, _> } </pre>

foreach V1 in E1 do C od	<pre> { E.place = newVariable(); E.exp = TS(V1); E.body = newLabel(); E.end = newLabel(); E.code = <write, _, E1.place, _> · <read, E.exp, _, _> · E1.code · <label E.body, _, _, _> · <iff E.end, _, E.exp, _> · C.code · <hd, E.place, E.exp, _> · <tl, E.exp, E.exp, _> · <goto E.body, _, _, _> } <label E.end, _, _, _> } </pre>
E1 and ... and En	<pre> { E.place = newVariable(); E.ifTrue = newLabel(); E.ifFalse = newLabel(); E.code = E1.code(E.ifTrue, E.ifFalse) · <iff E.ifFalse, _, E1.place, _> · En.code(E.ifTrue, E.ifFalse) · <iff E.ifFalse, _, En.place, _> · <label E.ifTrue, _, _, _> · <true, E.place, _, _> · <goto E.true, _, _, _> · <label E.ifFalse, _, _, _> · <false, E.place, _, _> · <goto E.false, _, _, _> } </pre>
E1 or ... or En	<pre> { E.place = newVariable(); E.ifTrue = newLabel(); E.ifFalse = newLabel(); E.end = newLabel(); E.code = E1.code(E.ifTrue, E.ifFalse) · <ift E.ifTrue, _, E1.place, _> · En.code(E.ifTrue, E.ifFalse) · <ift E.ifTrue, _, En.place, _> · <goto E.ifFalse, _, _, _> · <label E.ifTrue, _, _, _> · <true, E.place, _, _> · <goto E.end, _, _, _> · <label E.ifFalse, _, _, _> · <false, E.place, _, _> · <label E.end, _, _, _> } </pre>
not E1	<pre> { E.place = newVariable(); E.ifTrue = newLabel(); E.end = newLabel(); </pre>

	<pre> E.code = E1.code(E.true, E.false) • <ift E.ifTrue, _, E1.place, _> • <true, E.place, _, _> • <goto E.end, _, _, _> • <label E.ifTrue, _, _, _> • <false, E.place, _, _> • <label E.end, _, _, _> } </pre>
E1 =? E2	<pre> { E.place = newVariable(); // Modifié à l'exécution E.ifEqual = newLabel(); E.end = newLabel(); E.code = E1.code(E.true, E.false) • E2.code(E.true, E.false) • <ifeq E.ifEqual,_, E1.place, E2.place> • <false, E.place, _, _> • <goto E.end, _, _, _> • <label E.ifEqual, _, _, _> • <true, E.place, _, _> • <label E.end, _, _, _> } </pre>
E → nil	<pre> { E.place = newVariable(); E.code = <nil, E.place, _, _> } </pre>
E → symb	<pre> { E.place = TS(symb); E.code = ε } </pre>
E → var	<pre> { E.place = TS(var); Si expression booléenne : E.code = <ift E.true, _, E.place, _> • <goto E.false, _, _, _> Sinon : E.code = ε } </pre>
cons E1 ... En	<pre> Si n = 1 : { E.code = E1.code } Sinon si n >= 2 : { E.place = newVariable(); E.code = E1.code() • E2.code() • <cons, E.place, E2.place, E1.place> • En.code() • <cons, E.place, En.place, E.place> } </pre>
list E1 ... En	<pre> { E.place = newVariable(); E.nil = newVariable(); E.code = <nil, E.nil, _, _> E1.code() • <cons, E.place, E1.place, E.nil> • En.code() • </pre>

	<cons, E.place, En.place, E.place> }
hd E1	{ E.place = newVariable(); E.code = E1.code() • <hd, E.place, E1.place, _> }
tl E1	{ E.place = newVariable(); E.code = E1.code() • <tl, E.place, E1.place, _> }
call func A1 An	{ E.place = newVariable(); E.code = A1.code() • An.code() • <write, _, An.place, _> • <write, _, A1.place, _> • <call func, _, _, _> • <read, E.place, _, _> }

Code intermédiaire	Code C++
<nop, _, _, _>	bin_tree::nop();
<symb S1, D, _, _>	D = make_shared<bin_tree>(S1);
<read, D, _, _>	D = f_stack.top(); f_stack.pop();
<write, _, A1, _>	f_stack.push(A1);
<goto LAB, _, _, _>	goto LAB;
<label LAB, _, _, _>	LAB :
<ifeq LAB, _, A1, A2>	if(bin_tree::equals(A1, A2)) { goto LAB; }
<iftrue LAB, _, A1, _>	if(A1->isTrue()) { goto LAB; }
<ifff LAB, _, A1, _>	if(A1->isFalse()) { goto LAB; }
<>true, D, _, _>	D = bin_tree::getTrue();
<>false, D, _, _>	D = bin_tree::getFalse();
<nil, D, _, _>	D = bin_tree::nil();
<cons, D, A1, A2>	D = bin_tree::cons(A1, A2);
<hd, D, A1, _>	D = bin_tree::hd(A1);
<tl, D, A1, _>	D = bin_tree::tl(A1);
<call func, _, _, _>	func(f_stack);