$$(s\ j\ (v\ ...)\ L[(v_1\ ...\ (t\ \text{const}\ c_1)\ (t\ \text{const}\ c_2)\ (t\ binop)\ e\ ...)]) \longrightarrow (s\ j\ (v\ ...)\ L[(v_1\ ...\ \text{eval-binop}[\![binop, c_1, c_2, t]\!]\ e\ ...)])$$

$$(s\ j\ (v\ ...)\ L[(v_1\ ...\ (t\ \text{const}\ c)\ (t\ testop)\ e\ ...)]) \longrightarrow (s\ j\ (v\ ...)\ L[(v_1\ ...\ \text{eval-testop}[\![testop, c, t]\!]\ e\ ...)])$$

$$(s\ j\ (v\ ...)\ L[(v_1\ ...\ (t\ \text{const}\ c_1)\ (t\ \text{const}\ c_2)\ (t\ relop)\ e\ ...)]) \longrightarrow (s\ j\ (v\ ...)\ L[(v_1\ ...\ \text{eval-relop}[\![relop, c_1, c_2, t]\!]\ e\ ...)])$$

$$(s\ j\ (v\ ...)\ L[(v_1\ ...\ (\text{nop})\ e\ ...)]) \longrightarrow (s\ j\ (v\ ...)\ L[(v_1\ ...\ e\ ...)])$$

$$(s\ j\ (v\ ...)\ L[(v_1\ ...\ (\text{unreachable})\ e\ ...)]) \longrightarrow (s\ j\ (v\ ...)\ L[(v_1\ ...\ (\text{trap})\ e\ ...)])$$

$$(s\ j\ (v\ ...)\ L[(v_1\ ...\ v_2\ v_3\ (\text{i32 const 0})\ (\text{select})\ e\ ...)]) \longrightarrow (s\ j\ (v\ ...)\ L[(v_1\ ...\ v_3\ e\ ...)])$$

$$(s\ j\ (v\ ...)\ L[(v_1\ ...\ v_2\ v_3\ (\text{i32 const}\ c)\ (\text{select})\ e\ ...)]) \longrightarrow (s\ j\ (v\ ...)\ L[(v_1\ ...\ v_2\ e\ ...)])$$
$$\text{where}\ \texttt{(> } c\ \texttt{ 0)}$$

$$(s\ j\ (v\ ...)\ L[(v_1\ ...\ v_2\ (\text{drop})\ e\ ...)]) \longrightarrow (s\ j\ (v\ ...)\ L[(v_1\ ...\ e\ ...)])$$

$$(s\ j\ (v\ ...)\ L[(v_1\ ...\ (\text{i32 const 0})\ (\text{if}\ tf\ (e_1\ ...)\ \text{else}\ (e_2\ ...))\ e\ ...)]) \longrightarrow (s\ j\ (v\ ...)\ L[(v_1\ ...\ (\text{block}\ tf\ (e_1\ ...))\ e\ ...)])$$

$$(s\ j\ (v\ ...)\ L[(v_1\ ...\ (\text{i32 const}\ c)\ (\text{if}\ tf\ (e_1\ ...)\ \text{else}\ (e_2\ ...))\ e\ ...)]) \longrightarrow (s\ j\ (v\ ...)\ L[(v_1\ ...\ (\text{block}\ tf\ (e_1\ ...))\ e\ ...)])$$
$$\text{where}\ \texttt{(> } c\ \texttt{ 0)}$$

$$(s\ j\ (v\ ...)\ L[(v_1\ ...\ (\text{block}\ tf\ (e_1\ ...))\ e_2\ ...)]) \longrightarrow (s\ j\ (v\ ...)\ L[(v_1\ ...\ (\text{label}\ ()\ (e_1\ ...))\ e_2\ ...)])$$

$$(s\ j\ (v\ ...)\ L[(v_1\ ...\ (\text{label}\ ()\ (v_2\ ...\ (\text{trap})\ e\ ...))\ e_2\ ...)]) \longrightarrow (s\ j\ (v\ ...)\ L[((\text{trap}))])$$

$$(s\ j\ (v\ ...)\ L[(v_1\ ...\ (\text{trap})\ e_2\ ...)]) \longrightarrow (s\ j\ (v\ ...)\ L[((\text{trap}))])$$
$$\text{where}\ \texttt{(= 0 }\text{context-depth}[\![L]\!]\texttt{)}$$

$$(s\ j\ (v\ ...)\ L[(v_1\ ...\ (\text{br}\ j_1)\ e\ ...)]) \longrightarrow (s\ j\ (v\ ...)\ \text{decompose}[\![L, j_1, (v_1\ ...)]\!])$$

$$(s\ j\ (v\ ...)\ L[(v_1\ ...\ (\text{i32 const 0})\ (\text{br-if}\ j_1)\ e\ ...)]) \longrightarrow (s\ j\ (v\ ...)\ L[(v_1\ ...\ e\ ...)])$$

$$(s\ j\ (v\ ...)\ L[(v_1\ ...\ (\text{i32 const}\ c)\ (\text{br-if}\ j_1)\ e\ ...)]) \longrightarrow (s\ j\ (v\ ...)\ L[(v_1\ ...\ (\text{br}\ j_1)\ e\ ...)])$$
$$\text{where}\ \texttt{(> } c\ \texttt{ 0)}$$

$$(s\ j\ (v\ ...)\ L[(v_1\ ...\ (\text{i32 const}\ c)\ (\text{br-table}\ (j_1\ ...))\ e\ ...)]) \longrightarrow (s\ j\ (v\ ...)\ L[(v_1\ ...\ (\text{br do-get}[\![(j_1\ ...), (\text{term}\ c)]\!])\ e\ ...)])$$
$$\text{where}\ \texttt{(<= } c\ \texttt{ (length } (j_1\ ...)\texttt{))}$$

$$(s\ j\ (v\ ...)\ L[(v_1\ ...\ (\text{i32 const}\ c)\ (\text{br-table}\ (j_1\ ...\ j_2))\ e\ ...)]) \longrightarrow (s\ j\ (v\ ...)\ L[(v_1\ ...\ v_2\ (\text{br}\ j_2)\ e\ ...)])$$
$$\text{where}\ \texttt{(> } c\ \texttt{ (length } (j_1\ ...)\texttt{))}$$

$$(s\ j\ (v\ ...)\ L[(v_1\ ...\ (\text{label}\ ()\ (v_2\ ...))\ e\ ...)]) \longrightarrow (s\ j\ (v\ ...)\ (v_1\ ...\ v_2\ ...\ e\ ...))$$

$$(s\ j\ (v\ ...)\ L[(v_1\ ...\ (\text{get-local}\ j_1)\ e\ ...)]) \longrightarrow (s\ j\ (v\ ...)\ L[(v_1\ ...\ \text{do-get}[\![(v\ ...), j_1]\!]\ e\ ...)])$$

$$(s\ j\ (v\ ...)\ L[(v_1\ ...\ v_2\ (\text{set-local}\ j)\ e\ ...)]) \longrightarrow (s\ j\ \text{do-set}[\![(v\ ...), j, v_2]\!]\ L[(v_1\ ...\ e\ ...)])$$

$$(s\ j\ (v\ ...)\ L[(v_1\ ...\ v_2\ (\text{tee-local}\ j)\ e\ ...)]) \longrightarrow (s\ j\ (v\ ...)\ L[(v_1\ ...\ v_2\ v_2\ (\text{set-local}\ j)\ e\ ...)])$$

$$(((inst\ ...)\ (tabinst\ ...)\ (meminst\ ...))\ j\ (v\ ...)\ L[(v_1\ ...\ (\text{get-global}\ j_1)\ e\ ...)]) \longrightarrow (((inst\ ...)\ (tabinst\ ...)\ (meminst\ ...))\ j\ (v\ ...)\ L[(v_1\ ...\ \text{do-g}$$

$$(((inst\ ...)\ (tabinst\ ...)\ (meminst\ ...))\ j\ (v\ ...)\ L[(v_1\ ...\ v_2\ (\text{set-global}\ j_1)\ e\ ...)]) \longrightarrow ((\text{do-global-set}[\![(inst\ ...), j, j_1, v_2]\!]\ (tabinst\ ...)\ (meminst$$

$$(((inst\ ...)\ (tabinst\ ...)\ (meminst\ ...))\ j\ (v\ ...)\ L[(v_1\ ...\ (\text{call}\ j_1)\ e\ ...)]) \longrightarrow (((inst\ ...)\ (tabinst\ ...)\ (meminst\ ...))\ j\ (v\ ...)\ L[(v_1\ ...\ (\text{call}$$

$$(s\ j\ (v\ ...)\ L[(v_1\ ...\ (\text{call}\ cl)\ e\ ...)]) \longrightarrow (s\ j\ (v\ ...)\ L[\text{setup-call}[\![(v_1\ ...), cl, (e\ ...)]\!]])$$

$$(s\ j\ (v\ ...)\ L[(v_1\ ...\ (\text{local}\ (j_1\ (v_2\ ...))\ L_2[(v_3\ ...\ (\text{return})\ e\ ...)]\ e_2\ ...))]) \longrightarrow (s\ j\ (v\ ...)\ L[(v_1\ ...\ v_3\ ...\ e_2\ ...)])$$

$$(s\ j\ (v\ ...)\ L[(v_1\ ...\ (\text{local}\ (j_1\ (v_2\ ...))\ (v_3\ ...\ (\text{trap})\ e\ ...))\ e_2\ ...)]) \longrightarrow (s\ j\ (v\ ...)\ L[((\text{trap}))])$$

$$(s\ j\ (v\ ...)\ L[(v_1\ ...\ (\text{local}\ (j_1\ (v_2\ ...))\ (v_3\ ...))\ e_2\ ...)]) \longrightarrow (s\ j\ (v\ ...)\ L[(v_1\ ...\ v_3\ ...\ e_2\ ...)])$$