[ne] $\dfrac{n_1 \rhd \mathit{int32}(\_) \quad n_2 \rhd \mathit{int32}(\_)}{\langle\, \mathsf{ne}(n_1\ n_2), \sigma \,\rangle \rightarrow \langle\, \mathit{ne}(n_1\ n_2), \sigma \,\rangle}$

[neRight] $\dfrac{n \rhd \mathit{int32}(\_) \quad \langle\, E_2, \sigma \,\rangle \rightarrow \langle\, I_2, \sigma' \,\rangle}{\langle\, \mathsf{ne}(n\ E_2), \sigma \,\rangle \rightarrow \langle\, \mathsf{ne}(n\ I_2), \sigma' \,\rangle}$

[neLeft] $\dfrac{\langle\, E_1, \sigma \,\rangle \rightarrow \langle\, I_1, \sigma' \,\rangle}{\langle\, \mathsf{ne}(E_1\ E_2), \sigma \,\rangle \rightarrow \langle\, \mathsf{ne}(I_1\ E_2), \sigma' \,\rangle}$

[sphere] $\dfrac{x \rhd \mathit{real64}(\_) \quad y \rhd \mathit{real64}(\_) \quad z \rhd \mathit{real64}(\_) \quad r \rhd \mathit{real64}(\_)}{\langle\, \mathsf{sphere}(x\ y\ z\ r), \sigma \,\rangle \rightarrow \langle\, \mathit{sphere}(x\ y\ z\ r), \sigma \,\rangle}$

[sequenceDone] $\langle\, \mathsf{seq}(\mathit{done}\ C), \sigma \,\rangle \rightarrow \langle\, C, \sigma \,\rangle$

[sequence] $\dfrac{\langle\, C_1, \sigma \,\rangle \rightarrow \langle\, C_1', \sigma' \,\rangle}{\langle\, \mathsf{seq}(C_1\ C_2), \sigma \,\rangle \rightarrow \langle\, \mathsf{seq}(C_1'\ C_2), \sigma' \,\rangle}$

[union] $\dfrac{\langle\, E_1, \sigma \,\rangle \rightarrow \langle\, I_1, \sigma' \,\rangle}{\langle\, \mathsf{union}(E_1\ E_2), \sigma \,\rangle \rightarrow \langle\, \mathit{union}(I_1\ E_2), \sigma' \,\rangle}$

[sub] $\dfrac{n_1 \rhd \mathit{int32}(\_) \quad n_2 \rhd \mathit{int32}(\_)}{\langle\, \mathsf{sub}(n_1\ n_2), \sigma \,\rangle \rightarrow \langle\, \mathit{sub}(n_1\ n_2), \sigma \,\rangle}$

[subRight] $\dfrac{n \rhd \mathit{int32}(\_) \quad \langle\, E_2, \sigma \,\rangle \rightarrow \langle\, I_2, \sigma' \,\rangle}{\langle\, \mathsf{sub}(n\ E_2), \sigma \,\rangle \rightarrow \langle\, \mathsf{sub}(n\ I_2), \sigma' \,\rangle}$

[subLeft] $\dfrac{\langle\, E_1, \sigma \,\rangle \rightarrow \langle\, I_1, \sigma' \,\rangle}{\langle\, \mathsf{sub}(E_1\ E_2), \sigma \,\rangle \rightarrow \langle\, \mathsf{sub}(I_1\ E_2), \sigma' \,\rangle}$

[intersection] $\dfrac{\langle\, E_1, \sigma \,\rangle \rightarrow \langle\, I_1, \sigma' \,\rangle}{\langle\, \mathsf{intersection}(E_1\ E_2), \sigma \,\rangle \rightarrow \langle\, \mathit{intersection}(I_1\ E_2), \sigma' \,\rangle}$

[test] $\mathsf{test} \rightarrow \mathit{empty}$

[variable] $\dfrac{\mathit{get}(\sigma\ R) \rhd Z}{\langle\, \mathsf{deref}(R), \sigma \,\rangle \rightarrow \langle\, Z, \sigma \,\rangle}$

[backend] $\langle\, \mathsf{backend}(P_1\ P_2\ P_3), \sigma \,\rangle \rightarrow \mathit{user}(P_1\ P_2\ P_3)$

[ifTrue] $\langle\, \mathsf{if}(\mathit{bool}(\mathsf{True})\ C_1\ C_2), \sigma \,\rangle \rightarrow \langle\, C_1, \sigma \,\rangle$

[ifFalse] $\langle\, \mathsf{if}(\mathit{bool}(\mathsf{False})\ C_1\ C_2), \sigma \,\rangle \rightarrow \langle\, C_2, \sigma \,\rangle$

[ifResolve] $\dfrac{\langle\, E, \sigma \,\rangle \rightarrow \langle\, E', \sigma' \,\rangle}{\langle\, \mathsf{if}(E\ C_1\ C_2), \sigma \,\rangle \rightarrow \langle\, \mathsf{if}(E'\ C_1\ C_2), \sigma' \,\rangle}$

[while] $\langle\, \mathsf{while}(E\ \ C), \sigma \,\rangle \rightarrow \langle\, \mathsf{if}(E\ \mathsf{seq}(C\ \ \mathsf{while}(E\ \ C))\ \ \mathit{done}), \sigma \,\rangle$

[assign] $\dfrac{n \rhd \mathit{int32}(\_)}{\langle\, \mathsf{assign}(X\ \ n), \sigma \,\rangle \rightarrow \langle\, \mathit{done}, \mathit{put}(\sigma\ \ X\ \ n) \,\rangle}$

[assignResolve] $\dfrac{\langle\, E, \sigma \,\rangle \rightarrow \langle\, I, \sigma' \,\rangle}{\langle\, \mathsf{assign}(X\ \ E), \sigma \,\rangle \rightarrow \langle\, \mathsf{assign}(X\ \ I), \sigma' \,\rangle}$

[gt] $\dfrac{n_1 \rhd \mathit{int32}(\_) \quad n_2 \rhd \mathit{int32}(\_)}{\langle\, \mathsf{gt}(n_1\ \ n_2), \sigma \,\rangle \rightarrow \langle\, \mathit{gt}(n_1\ \ n_2), \sigma \,\rangle}$

[gtRight] $\dfrac{n \rhd \mathit{int32}(\_) \quad \langle\, E_2, \sigma \,\rangle \rightarrow \langle\, I_2, \sigma' \,\rangle}{\langle\, \mathsf{gt}(n\ \ E_2), \sigma \,\rangle \rightarrow \langle\, \mathsf{gt}(n\ \ I_2), \sigma' \,\rangle}$

[gtLeft] $\dfrac{\langle\, E_1, \sigma \,\rangle \rightarrow \langle\, I_1, \sigma' \,\rangle}{\langle\, \mathsf{gt}(E_1\ \ E_2), \sigma \,\rangle \rightarrow \langle\, \mathsf{gt}(I_1\ \ E_2), \sigma' \,\rangle}$

[cube] $\dfrac{x \rhd \mathit{real64}(\_) \quad y \rhd \mathit{real64}(\_) \quad z \rhd \mathit{real64}(\_)}{\langle\, \mathsf{cube}(x\ \ y\ \ z), \sigma \,\rangle \rightarrow \langle\, \mathit{cube}(x\ \ y\ \ z), \sigma \,\rangle}$

[cylinder] $\dfrac{x \rhd \mathit{real64}(\_) \quad y \rhd \mathit{real64}(\_) \quad z \rhd \mathit{real64}(\_) \quad r \rhd \mathit{real64}(\_)}{\langle\, \mathsf{cylinder}(x\ \ y\ \ z\ \ r), \sigma \,\rangle \rightarrow \langle\, \mathit{cylinder}(x\ \ y\ \ z\ \ r), \sigma \,\rangle}$
