

$$\begin{aligned}
 & (\sigma_0 / ((mod_0 \dots (module\ id_0\ ())\ (code_0 \dots (phase_0\ E)\ code_n \dots))\ mod_n \dots) / ((id_0\ phase_0)\ inst_n \dots) / (inst_d \dots))[(set!\ var\ val)] \longrightarrow [set!] \\
 & (\sigma_1 / ((mod_0 \dots (module\ id_0\ ())\ (code_0 \dots (phase_0\ E)\ code_n \dots))\ mod_n \dots) / ((id_0\ phase_0)\ inst_n \dots) / (inst_d \dots))[val] \\
 & \qquad \qquad \qquad \text{where } \sigma_1 = \text{assign}[\sigma_0, var, val]
 \end{aligned}$$