

es-atom^{0,22}

$i \gg a$

$$\begin{aligned} \equiv_{\text{def}} & \text{Trans}(i):k:\text{Knd} \rightarrow \text{kindtype}(i;k) \rightarrow \text{state}@i \rightarrow \text{state}@i \gg a \\ & \vee \text{Send}(i):k:\text{Knd} \rightarrow \text{kindtype}(i;k) \rightarrow \text{state}@i \rightarrow (\text{Msg List}) \gg a \\ & \vee \text{Choose}(i):b:\text{Id} \rightarrow \text{state}@i \rightarrow (\text{kindtype}(i;\text{locl}(b)) + \text{Unit}) \gg a \end{aligned}$$

clarification:

es-atom($es;i;a$)

$$\begin{aligned} \equiv_{\text{def}} & \text{es-trans}(es;i):k:\text{Knd} \rightarrow \text{es-kindtype}(es;i;k) \rightarrow \text{es-state}(es;i) \rightarrow \text{es-state}(es;i) \gg a \\ & \vee \text{es-send}(es;i):k:\text{Knd} \rightarrow \text{es-kindtype}(es;i;k) \rightarrow \text{es-state}(es;i) \rightarrow (\text{es-Msg}(es) \text{ List}) \gg a \\ & \vee \text{es-choose}(es;i):b:\text{Id} \rightarrow \text{es-state}(es;i) \rightarrow (\text{es-kindtype}(es;i;\text{locl}(b)) + \text{Unit}) \gg a \end{aligned}$$