

es-interface-local-state^{11,40}
$$\begin{aligned} & \text{local-state}(f; \text{base}; X; e) \\ & \equiv_{\text{def}} \text{if } e \in_b X \text{ then } f(\text{prior-state}(f; \text{base}; X; e), X(e)) \text{ else prior-state}(f; \text{base}; X; e) \text{ fi} \end{aligned}$$

clarification:

$$\begin{array}{l} \text{es-interface-local-state}\{\text{i:l}\} \\ \quad (es; f; \text{base}; X; e) \\ \equiv_{\text{def}} \text{ if } e \in_b X \\ \quad \text{ then } f(\text{es-local-prior-state}\{\text{i:l}\}(es; f; \text{base}; X; e), X(e)) \\ \quad \text{ else es-local-prior-state}\{\text{i:l}\} \\ \quad \quad (es; f; \text{base}; X; e) \\ \text{fi} \end{array}$$