

## es-interface-local-pred<sup>11,40</sup>

$$\begin{aligned} & \forall es:ES, P:(E \rightarrow \mathbb{P}). \\ & (\forall e:E. \text{Dec}(P(e))) \\ \Rightarrow & (\exists X:\text{AbsInterface}(E) \\ & (\forall e:E. \\ & ((\uparrow(e \in_b X)) \iff (\exists a:E. (\text{es-p-local-pred}(es;P)(e,a)))) \\ & \& ((\uparrow(e \in_b X)) \Rightarrow (\text{es-p-local-pred}(es;P)(e,X(e)))))) \end{aligned}$$