

es-p-le-pred^{11,40}

$$\begin{aligned} & \text{es-p-le-pred}(es;P)(e,e') \\ \equiv_{\text{def}} & e' \leq_{\text{loc}} e \ \& \ P(e') \ \& \ (\forall e'' : \mathbf{E}. e'' \leq_{\text{loc}} e \Rightarrow (e' <_{\text{loc}} e'' \Rightarrow (\neg(P(e''))))) \end{aligned}$$

clarification:

$$\begin{aligned} & \text{es-p-le-pred}(es;P)(e,e') \\ \equiv_{\text{def}} & \text{es-le}(es;e';e) \\ & \ \& \ P(e') \\ & \ \& \ (\forall e'' : \text{es-E}(es). \text{es-le}(es;e'';e) \Rightarrow \text{es-locl}(es; e'; e'') \Rightarrow (\neg(P(e'')))) \end{aligned}$$