

es-lc-btrue^{11,40}

$$\begin{aligned} & \forall es:\mathbf{ES}, x:\mathbf{Id}, e:\{e:\mathbf{E} \mid @\text{loc}(e)(x:\mathbb{B})\} . \\ & ((x \text{ when } e) = \text{tt} \in \mathbb{B}) \\ & \Rightarrow ((x \text{ initially}@ \text{loc}(e) = \text{ff} \in \mathbb{B}) \vee (\exists e':\mathbf{E}. (e' \leq_{\text{loc}} e \ \& \ (x \text{ when } e') = \text{ff} \in \mathbb{B}))) \\ & \Rightarrow (\exists e':\mathbf{E} \\ & \quad ((e' <_{\text{loc}} e) \\ & \quad \& (x \text{ when } e') = \text{ff} \in \mathbb{B} \\ & \quad \& (x \text{ after } e') = \text{tt} \in \mathbb{B} \\ & \quad \& \forall e'' \in (e', e]. (x \text{ when } e'') = \text{tt} \in \mathbb{B} \\ & \quad \& \forall e'' \in [e', e). (x \text{ after } e'') = \text{tt} \in \mathbb{B})) \end{aligned}$$