

es-locl-iff^{11,40}

$$\begin{aligned} & \forall the_es: \text{event_system}\{i:l\}, e, e': \text{es-E}(the_es). \\ & \text{es-locl}(the_es; e; e') \\ & \iff ((\neg(\uparrow \text{es-first}(the_es; e'))) \\ & \quad \wedge ((e = \text{es-pred}(the_es; e')) \vee \text{es-locl}(the_es; e; \text{es-pred}(the_es; e')))) \end{aligned}$$