

## **es-le-pred**<sup>11,40</sup>

$\forall the\_es: \text{event\_system}\{i:l\}, e, e': \text{es-E}(the\_es).$

$(\neg(\uparrow \text{es-first}(the\_es; e')))$

$\Rightarrow (\text{es-le}(the\_es; e; \text{es-pred}(the\_es; e')) \iff \text{es-locl}(the\_es; e; e'))$