

es-first-since^{0,22}

$$e_2 = \text{first } e \geq e_1.P(e) \equiv_{\text{def}} e_1 \leq e_2 \ \& \ P(e_2) \ \& \ \forall e \in [e_1, e_2]. \neg P(e)$$

clarification:

$$\begin{aligned} & \text{es-first-since}(es; e.P(e); e_1; e_2) \\ & \equiv_{\text{def}} \text{es-le}(es; e_1; e_2) \ \& \ P(e_2) \ \& \ \text{alle-between1}(es; e_1; e_2; e. \neg P(e)) \end{aligned}$$