

**existse-before**<sup>11,40</sup>

$$\exists e < e'. P(e) \equiv_{\text{def}} \exists e: \text{es-E}(es). (\text{es-locl}(es; e; e') \text{ c} \wedge P(e))$$

*clarification:*

$$\text{existse-before}(es; e'; e. P(e)) \equiv_{\text{def}} \exists e: \text{es-E}(es). (\text{es-locl}(es; e; e') \text{ c} \wedge P(e))$$