

w-locl^{11,40}

$e <_{\text{loc}} e' \equiv_{\text{def}} \text{loc}(e) = \text{loc}(e') \ \& \ (\text{time}(e) < \text{time}(e'))$

clarification:

$\text{w-locl}(w; e; e') \equiv_{\text{def}} \text{w-loc}(w; e) = \text{w-loc}(w; e') \in \text{Id} \ \& \ (\text{w-time}(w; e) < \text{w-time}(w; e'))$