

es-next-assign-unique^{11,40}

$\forall es:\text{ES}, T:\text{Type}, eq:\text{EqDecider}(T), v:T, x:\text{Id}, e:\{e:\text{E} \mid @\text{loc}(e)(x:T)\} ,$
 $e':\{e':\text{E} \mid e \leq_{\text{loc}} e' \ \& \ (x \text{ after } e') = v\} , a:\text{E}.$
 $e \leq_{\text{loc}} a$
 $\Rightarrow ((x \text{ after } a) = v)$
 $\Rightarrow \forall e'' \in [e, a]. \neg((x \text{ after } e'') = v)$
 $\Rightarrow (a = \text{next event in } [e; e'] \text{ after which } x = v)$