last-change-pred[11,40]

$\forall T$:Type, eq:EqDecider(T), es:ES, x:Id, e:$\{e$:E| @loc(e)(x:T)$\}$.
$(\neg(\uparrow\text{first}(e)))$
$\Rightarrow (\uparrow\text{discrete}(\text{loc}(e);x))$
$\Rightarrow ((x \text{ when } \text{pred}(e)) = (x \text{ when } e) \in T)$
$\Rightarrow (x \text{ changed before } \text{pred}(e) = x \text{ changed before } e \in \mathbb{B}$
$\quad \& \, ((\uparrow x \text{ changed before } e)$
$\qquad \Rightarrow ((\text{last change to } x \text{ before } e) = (\text{last change to } x \text{ before } \text{pred}(e)) \in \text{E})))$