es-hist-is-append^{0,22}

$\forall ds{:}x{:}\text{Id fp}\rightarrow \text{Type}$, $da{:}k{:}\text{Knd fp}\rightarrow \text{Type}$, $es{:}\text{ES}$, $i{:}\text{Id}$, e_1, $e_2{:}\{e{:}\text{E}|\ \text{loc}(e) = i\ \}$, L_1,
$L_2{:}\text{event-info}(ds;da)$ List.
$\neg L_1 = \text{nil}$
$\Rightarrow \neg L_2 = \text{nil}$
$\Rightarrow (\forall x{:}\text{Id. vartype}(i;x) \subseteq \rho\ ds(x)?\text{Top})$
$\Rightarrow (\forall e{:}\text{E. loc}(e) = i \Rightarrow \text{valtype}(e) \subseteq \rho\ da(\text{kind}(e))?\text{Top})$
$\Rightarrow \text{es-hist}\{\text{i:l}\}(es;e_1;e_2) = (L_1\ @\ L_2) \in \text{event-info}(ds;da)$ List
$\Rightarrow \exists e{\in}(e_1,e_2].\text{es-hist}\{\text{i:l}\}(es;e_1;\text{pred}(e)) = L_1\ \&\ \text{es-hist}\{\text{i:l}\}(es;e;e_2) = L_2$

http://www.cs.cornell.edu/Info/Projects/NuPrl/FDLcontent/p0_286125_/p21_83128_{es-hist-is-append}.html