es-hist-partition[11,40]

$\forall ds$:fpf(Id; x.Type), da:fpf(Knd; k.Type), es:event_system{i:l}, i:Id, e_1,e_2:{e:es-E(es)| loc(e) = i} ,
 e:es-E(es).
($\forall x$:Id. subtype_rel(es-vartype(es; i; x); fpf-cap(ds; id-deq; x; top)))
$\Rightarrow$ ($\forall e$:es-E(es).
 (loc(e) = i)
 $\Rightarrow$ subtype_rel(es-valtype(es; e); fpf-cap(da; Kind-deq; es-kind(es; e); top)))
$\Rightarrow$ es-locl(es; e_1; e)
$\Rightarrow$ es-le(es; e; e_2)
$\Rightarrow$ (es-hist{i:l}(es;e_1;e_2)
 =
 append(es-hist{i:l}(es;e_1;es-pred(es; e)); es-hist{i:l}(es;e;e_2))
 $\in$ (event-info(ds;da) List))

http://www.nuprl.org/FDLcontent/p0_963683_/p32_80044_{es-hist-partition}.html