EKind[0,22]

EventsWithKinds
$\equiv_{\text{def}}$ E:Type
$\times$EqDecider(E)
$\times$Top
$\times$*pred*?:($E\rightarrow$(E+Unit))
$\times$*info*:($E\rightarrow$(Id$\times$Id+(IdLnk$\times E$)$\times$Id))
$\times$EOrderAxioms(E; *pred*?; *info*)
$\times T$:(Id$\rightarrow$Id$\rightarrow$Type)
$\times$*when*:(x:Id$\rightarrow e$:$E\rightarrow T$(loc(e),x))
$\times$*after*:(x:Id$\rightarrow e$:$E\rightarrow T$(loc(e),x))
$\times$($\forall e$:E. $\neg$first(e) $\Rightarrow$ ($\forall x$:Id. *when*(x,e) = *after*(x,pred(e))))
$\times$Top

clarification:

EKind{i:l}
$\equiv_{\text{def}}$ E:Type$_{\text{i}}$
$\times$EqDecider(E)
$\times$Top
$\times$*pred*?:($E\rightarrow$(E+Unit))
$\times$*info*:($E\rightarrow$(Id$\times$Id+(IdLnk$\times E$)$\times$Id))
$\times$EOrderAxioms{i}(E;
pred?;
info)
$\times T$:(Id$\rightarrow$Id$\rightarrow$Type$_{\text{i}}$)
$\times$*when*:(x:Id$\rightarrow e$:$E\rightarrow T$(loc(*info*;e),x))
$\times$*after*:(x:Id$\rightarrow e$:$E\rightarrow T$(loc(*info*;e),x))
$\times$($\forall e$:E.
$\neg$first(*pred*?;e) $\Rightarrow$ ($\forall x$:Id. *when*(x,e) = *after*(x,pred(*pred*?;e)) $\in T$(loc(*info*;e),x)))
$\times$Top

http://www.cs.cornell.edu/Info/Projects/NuPrl/FDLcontent/p0_286125_/p19_307845_{EKind}.html