EKind[11,40]

EventsWithKinds
$\equiv_{\text{def}}$ E:Type
× (eq:EqDecider(E)
× *unused*:Top
× *pred*?:(E→(?E))
× *info*:(E→((:Id × Id) + (:(:IdLnk × E) × Id)))
× *oaxioms*:EOrderAxioms(E; *pred*?; *info*)
× T:(Id→Id→Type)
× *when*:(x:Id→e:E→T(loc(e),x))
× *after*:(x:Id→e:E→T(loc(e),x))
× (*saxiom*:(∀e:E. (¬(↑first(e))) ⇒ (∀x:Id. *when*(x,e) = *after*(x,pred(e))))
× Top))

clarification:

EKind{i:l}
$\equiv_{\text{def}}$ E:Type{i}
× (eq:EqDecider(E)
× *unused*:Top
× *pred*?:(E→(E + Unit))
× *info*:(E→((:Id × Id) + (:(:IdLnk × E) × Id)))
× *oaxioms*:EOrderAxioms{i}(E;
pred?;
info)
× T:(Id→Id→Type{i})
× *when*:(x:Id→e:E→T(loc(*info*;e),x))
× *after*:(x:Id→e:E→T(loc(*info*;e),x))
× (*saxiom*:(∀e:E.
(¬(↑first(*pred*?;e)))
⇒ (∀x:Id. *when*(x,e) = *after*(x,pred(*pred*?;e)) ∈ T(loc(*info*;e),x)))
× Top))

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http://www.nuprl.org/FDLcontent/p0_963683_/p68_307845_{EKind}.html