

EOrder^{11,40}

EventsWithOrder

$\equiv_{\text{def}} E:\text{Type}$
 $\times (eq:\text{EqDecider}(E)$
 $\times pred?:(E \rightarrow (?E))$
 $\times info:(E \rightarrow ((:Id \times \text{Top}) + (:IdLnk \times E) \times \text{Top})))$
 $\times (oaxioms:\text{EOrderAxioms}(E; pred?; info)$
 $\times \text{Top}))$

clarification:

EOrder{i:l}

$\equiv_{\text{def}} E:\text{Type}\{i\}$
 $\times (eq:\text{EqDecider}(E)$
 $\times pred?:(E \rightarrow (E + \text{Unit}))$
 $\times info:(E \rightarrow ((:Id \times \text{Top}) + (:IdLnk \times E) \times \text{Top})))$
 $\times (oaxioms:\text{EOrderAxioms}\{i\}(E;$
 $pred?;$
 $info)$
 $\times \text{Top}))$