

ecl-realizes^{0,22}

$\forall i:\text{Id}, ds:x:\text{Id} \text{ fp} \rightarrow \text{Type}, da:k:\text{Knd} \text{ fp} \rightarrow \text{Type}, A:\text{ecl}(ds;da), snd:\text{msg-spec}(ds;da),$
 $upd:\text{update-spec}(ds;da).$

Normal(ds)

\Rightarrow Normal(da)

$\Rightarrow (\forall k \in \text{ecl-kinds}(A). (\text{isrcv}(k) \Rightarrow i = \text{destination}(\text{lnk}(k)) \in \text{Id}) \ \& \ k \in \text{dom}(da))$

$\Rightarrow \text{update-spec-decl}(upd;ds)$

$\Rightarrow \text{msg-spec-loc-decl}(snd;i;da)$

$\Rightarrow \neg \text{"ecl"} \in \text{dom}(ds)$

$\Rightarrow \text{ecl-machine at } i \text{ with state ecl}$

A

state variables ds

actions da

sends snd

updates upd

$\Vdash es.@i[[A;snd;upd]]$