

ecl-machine-R-da-dom^{0,22}

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

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

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

$\Rightarrow (\forall k:\text{Knd}.$

$k \in \text{dom}(\text{R-da}(\text{ecl-machine at } i \text{ with state ecl}$

A

state variables ds

actions da

sends snd

updates $upd;i$)

$\Rightarrow (k \in \text{ecl-kinds}(A)) \vee (k \in \text{fpf-domain}(da))$)