

ecl-2-3-compat^{11,40}

$\forall i:\text{Id}, ds:\text{fpf}(\text{Id}; x.\text{Type}), da:\text{fpf}(\text{Knd}; k.\text{Type}), snd:\text{msg-spec}(ds; da), upd:\text{update-spec}(ds;$
 $\quad\quad\quad da),$
 $T:\text{Type}, ks:(\text{Knd List}), a:(\mathbb{N} \rightarrow (k:\{k:\text{Knd} \mid (k \in ks)\} \rightarrow \text{decl-state}(ds) \rightarrow \text{ma-valtype}(da; k) \rightarrow T$
 $\quad\quad\quad \rightarrow \mathbb{B})),$
 $x:\text{Id}.$
 $(\neg(\uparrow\text{fpf-dom}(\text{id-deq}; x; ds)))$
 $\Rightarrow \text{update-spec-decl}(upd; ds)$
 $\Rightarrow (\forall k:\text{Knd}. (k \in ks) \Rightarrow (\uparrow\text{fpf-dom}(\text{Kind-deq}; k; da)))$
 $\Rightarrow \text{R-compat}\{i:1\}$
 $\quad (\text{ecl-machine2}(i; ds; da; x; T; ks; a; upd);$
 $\quad \text{ecl-machine3}(ds; da; x; T; ks; a; snd))$