

ecl-trans-act-functionality2^{11,40}

$\forall ds:\text{fpf}(\text{Id}; x.\text{Type}), da:\text{fpf}(\text{Knd}; k.\text{Type}), A,B:\text{ecl-trans-tuple}\{i:1\}(ds; da), m:\mathbb{N},$
 $L:(\text{event-info}(ds; da) \text{ List}), z:\text{event-info}(ds; da).$
 $\text{spreadn}(A;$
 $\quad Ta,ksa,ia,ga,ha,aa,ea.\text{spreadn}(B;$
 $\quad\quad Tb,ksb,ib,gb,hb,ab,eb.((Ta = Tb \in \text{Type})$
 $\quad\quad c \wedge ((ksa = ksb \in (\text{Knd List})) \wedge (ia = ib \in Ta))$
 $\quad\quad c \wedge ((aa$
 $\quad\quad =$
 $\quad\quad ab$
 $\quad\quad \in \mathbb{N} \rightarrow (k:\{k:\text{Knd} \mid (k \in ksa)\} \rightarrow \text{decl-state}(ds) \rightarrow$
 $\quad\quad \text{ma-valtype}(da; k) \rightarrow Ta \rightarrow \mathbb{B}))$
 $\quad\quad \wedge (\forall L':(\text{event-info}(ds; da) \text{ List}), k:\{k:\text{Knd} \mid$
 $\quad\quad (k \in ksa)\},$
 $\quad\quad s:\text{decl-state}(ds), v:\text{ma-valtype}(da; k).$
 $\quad\quad \text{iseg}(\text{event-info}(ds; da);$
 $\quad\quad \text{append}(L'; \text{cons}(\langle k, s, v \rangle; []));$
 $\quad\quad L)$
 $\quad\quad \Rightarrow (gb(k,s,v,\text{ecl-trans-state}(B; L'))$
 $\quad\quad =$
 $\quad\quad ga(k,s,v,\text{ecl-trans-state}(B; L'))$
 $\quad\quad \in Ta))))))$
 $\Rightarrow (\text{ecl-trans-act}(ds; da; A)(m,\text{append}(L; \text{cons}(z; []))))$
 $\Rightarrow (\text{ecl-trans-act}(ds; da; B)(m,\text{append}(L; \text{cons}(z; []))))$