

## ecl-trans-act-functionality2<sup>0,22</sup>

$\forall ds:x:\text{Id fp} \rightarrow \text{Type}, da:k:\text{Knd fp} \rightarrow \text{Type}, A, B:\text{ecl-trans-tuple}\{i:l\}(ds;da), m:\mathbb{N},$   
 $L:\text{event-info}(ds;da) \text{ List}, z:\text{event-info}(ds;da).$   
let  $Ta,ksa,ia,ga,ha,aa,ea = A$  in  
let  $Tb,ksb,ib,gb,hb,ab,eb = B$  in  
 $Ta = Tb \in \text{Type}$   
&  $ksa = ksb \in \text{Knd List} \ \& \ ia = ib \in Ta$   
&  $aa = ab \in \mathbb{N} \rightarrow (k:\{k:\text{Knd} \mid (k \in ksa) \}) \rightarrow \text{State}(ds) \rightarrow \text{Valtype}(da;k) \rightarrow Ta \rightarrow \mathbb{B}$   
&  $(\forall L':\text{event-info}(ds;da) \text{ List}, k:\{k:\text{Knd} \mid (k \in ksa) \}, s:\text{State}(ds), v:\text{Valtype}(da;k).$   
 $L' \ @ \ [(k, s, v)] \leq L$   
 $\Rightarrow gb(k,s,v,\text{ecl-trans-state}(B;L')) = ga(k,s,v,\text{ecl-trans-state}(B;L')) \in Ta$   
 $\Rightarrow \text{ecl-trans-act}(ds;da;A)(m,L \ @ \ [z])$   
 $\Rightarrow \text{ecl-trans-act}(ds;da;B)(m,L \ @ \ [z])$