

ecl-trans-tuple^{0,22}

ecl-trans-tuple{i:l}(ds;da)
 \equiv_{def} $T:\text{Type}$
 $\times ks:(\text{Knd List})$
 $\times T$
 $\times (k:\{k:\text{Knd} \mid (k \in ks)\} \rightarrow \text{State}(ds) \rightarrow \text{Valtype}(da;k) \rightarrow T \rightarrow T)$
 $\times (\mathbb{N} \rightarrow T \rightarrow \mathbb{B})$
 $\times (\mathbb{N} \rightarrow (k:\{k:\text{Knd} \mid (k \in ks)\} \rightarrow \text{State}(ds) \rightarrow \text{Valtype}(da;k) \rightarrow T \rightarrow \mathbb{B}))$
 $\times (\mathbb{N}^+ \text{ List})$

clarification:

ecl-trans-tuple{i:l}
(ds; da)
 \equiv_{def} $T:\text{Type}_i$
 $\times ks:(\text{Knd List})$
 $\times T$
 $\times (k:\{k:\text{Knd} \mid (k \in ks \in \text{Knd})\} \rightarrow \text{State}(ds) \rightarrow \text{Valtype}(da;k) \rightarrow T \rightarrow T)$
 $\times (\mathbb{N} \rightarrow T \rightarrow \mathbb{B})$
 $\times (\mathbb{N} \rightarrow (k:\{k:\text{Knd} \mid (k \in ks \in \text{Knd})\} \rightarrow \text{State}(ds) \rightarrow \text{Valtype}(da;k) \rightarrow T \rightarrow \mathbb{B}))$
 $\times (\mathbb{N}^+ \text{ List})$