

world^{11,40}

World

$\equiv_{\text{def}} T: (\text{Id} \rightarrow \text{Id} \rightarrow \text{Type})$
 $\times (TA: (\text{Id} \rightarrow \text{Id} \rightarrow \text{Type}))$
 $\times M: (\text{IdLnk} \rightarrow \text{Id} \rightarrow \text{Type})$
 $\times s: (i: \text{Id} \rightarrow \mathbb{N} \rightarrow (x: \text{Id} \rightarrow \mathbb{Q} \rightarrow T(i, x)))$
 $\times a: (i: \text{Id} \rightarrow \mathbb{N} \rightarrow \text{Action}(\text{w-action-dec}(TA; M; i)))$
 $\times m: (i: \text{Id} \rightarrow \mathbb{N} \rightarrow (\{m: \text{Msg}(M) \mid \text{source}(\text{mlnk}(m)) = i\} \text{ List}))$
 $\times : (i: \text{Id} \rightarrow \text{w-automaton}(T(i); TA(i); M))$
 $\times (\text{discrete}: (\text{Id} \rightarrow \text{Id} \rightarrow \mathbb{B}))$
 $\times \text{Top}))$

clarification:

world^{i:l}

$\equiv_{\text{def}} T: (\text{Id} \rightarrow \text{Id} \rightarrow \text{Type}\{i\})$
 $\times (TA: (\text{Id} \rightarrow \text{Id} \rightarrow \text{Type}\{i\}))$
 $\times M: (\text{IdLnk} \rightarrow \text{Id} \rightarrow \text{Type}\{i\})$
 $\times s: (i: \text{Id} \rightarrow \mathbb{N} \rightarrow (x: \text{Id} \rightarrow \mathbb{Q} \rightarrow T(i, x)))$
 $\times a: (i: \text{Id} \rightarrow \mathbb{N} \rightarrow \text{Action}(\text{w-action-dec}(TA; M; i)))$
 $\times m: (i: \text{Id} \rightarrow \mathbb{N} \rightarrow (\{m: \text{Msg}(M) \mid \text{source}(\text{mlnk}(m)) = i \in \text{Id}\} \text{ List}))$
 $\times : (i: \text{Id} \rightarrow \text{w-automaton}(T(i); TA(i); M))$
 $\times (\text{discrete}: (\text{Id} \rightarrow \text{Id} \rightarrow \mathbb{B}))$
 $\times \text{Top}))$