

d-world-state^{11,40}

$\text{d-world-state}(D;i)$
 $\equiv_{\text{def}} :M(i).(\text{timed})\text{state}$
 $\quad \times (:Action(\text{d-decl}(D;i))$
 $\quad \times (\{m:M(i).\text{Msg} \mid \text{source}(\text{mlnk}(m)) = i\} \text{ List}))$

clarification:

$\text{d-world-state}(D;i)$
 $\equiv_{\text{def}} :d\text{-m}(D; i).(\text{timed})\text{state}$
 $\quad \times (:Action(\text{d-decl}(D;i))$
 $\quad \times (\{m:d\text{-m}(D; i).\text{Msg} \mid \text{source}(\text{mlnk}(m)) = i \in \text{Id}\} \text{ List}))$