

equal-next-world^{11,40}

$\forall D:\text{Dsys}, i:\text{Id}, s_1, s_2:\text{M}(i).(\text{timed})\text{state}, k_1, k_2:\text{Knd}, v_1:\text{d-decl}(D;i)(k_1),$
 $v_2:\text{d-decl}(D;i)(k_2), m_1:(\{m:\text{M}(i).\text{Msg} \mid \text{source}(\text{mlnk}(m)) = i\} \text{ List}).$
 $\text{Feasible}(D)$
 $\Rightarrow (<s_1, \text{doact}(k_1;v_1), m_1> = \text{next-world-state}(D;i;s_2;k_2;v_2) \in \text{d-world-state}(D;i))$
 $\Rightarrow \{s_1 = \text{shift-state}(\lambda x.\text{M}(i).\text{ef}(k_2,x,\text{read-state}(s_2),v_2)?s_2(x))$
 $\quad \& k_1 = k_2$
 $\quad \& v_1 = v_2 \in \text{d-decl}(D;i)(k_2)$
 $\quad \& m_1 = \text{filter}(\lambda m.\text{source}(\text{mlnk}(m)) = i;\text{M}(i).\text{sends}(k_2,\text{read-state}(s_2),v_2))\}$