

d-comp_wf2^{11,40}

$\forall D:\text{Dsys}.$

$\text{Feasible}(D)$

$\Rightarrow (\forall v:(i:\text{Id} \rightarrow \text{M}(i).(\text{timed})\text{state}), \text{sched}:(\text{Id} \rightarrow (?(\mathbb{N} \rightarrow (\text{IdLnk} + \text{Id})))),$
 $\text{dec}:(i,a:\text{Id} \rightarrow \mathbb{N} \rightarrow \text{M}(i).\text{state} \rightarrow (? \text{if } a \in \text{dom}(\text{M}(i).\text{prob}) \text{ then Outcome else Void fi })),$
 $d:(\text{Id} \rightarrow \text{Id} \rightarrow \mathbb{B}).$
 $\text{d-comp}(D; v; \text{sched}; \text{dec}; d)$
 $\in t:\mathbb{N} \rightarrow (\{0..t^-\} \rightarrow (i:\text{Id} \rightarrow \text{d-world-state}(D;i))) \rightarrow (i:\text{Id} \rightarrow \text{d-world-state}(D;i)))$