

w-queue-nil^{11,40}

$\forall D:\text{Dsys}, \text{sched}:(\text{Id} \rightarrow (?(\mathbb{N} \rightarrow (\text{IdLnk} + \text{Id}))))), v:(i:\text{Id} \rightarrow \text{M}(i).(\text{timed})\text{state}),$
 $\text{dec}:(i,a:\text{Id} \rightarrow \mathbb{N} \rightarrow \text{M}(i).\text{state} \rightarrow (? \text{if } a \in \text{dom}(\text{M}(i).\text{prob}) \text{ then Outcome else Void fi })),$
 $l:\text{IdLnk}, \text{discrete}:(\text{Id} \rightarrow \text{Id} \rightarrow \mathbb{B}).$
 $\text{Feasible}(D)$
 $\Rightarrow (\neg(\uparrow \text{M}(\text{source}(l)) \text{ sends on link } l))$
 $\Rightarrow (\forall t:\mathbb{N}. \text{queue}(l;t) = [] \in (\text{Msg}(\lambda l, tg. \text{M}(\text{source}(l)).\text{dout2}(l;tg)) \text{ List}))$