

w-queue-partial^{11,40}

$\forall D:\text{Dsys}, \text{sched}:(\text{Id} \rightarrow (?(\mathbb{N} \rightarrow (\text{IdLnk} + \text{Id}))))$, $v:(i:\text{Id} \rightarrow \text{M}(i).(\text{timed})\text{state})$,
 $\text{dec}:(i,a:\text{Id} \rightarrow \mathbb{N} \rightarrow \text{M}(i).\text{state} \rightarrow (? \text{if } a \in \text{dom}(\text{M}(i).\text{prob}) \text{ then Outcome else Void fi }))$,
 $\text{discrete}:(\text{Id} \rightarrow \text{Id} \rightarrow \mathbb{B})$, $l:\text{IdLnk}$, $t':\mathbb{N}$.
 $\text{Feasible}(D) \Rightarrow (\text{queue}(l;t') = \text{queue}(l;t') \in (\text{Msg}(\lambda l, tg. \text{M}(\text{source}(l)).\text{dout2}(l;tg)) \text{ List}))$