

## w-queue-nil<sup>0,22</sup>

$\forall D:\text{Dsys}, \text{sched}:(\text{Id} \rightarrow (\mathbb{N} \rightarrow (\text{IdLnk} + \text{Id}) + \text{Unit})), v:(i:\text{Id} \rightarrow \text{M}(i).\text{state}),$   
 $\text{dec}:(i,a:\text{Id} \rightarrow \text{M}(i).\text{state} \rightarrow (\text{M}(i).\text{da}(\text{locl}(a)) + \text{Unit})), l:\text{IdLnk}.$

$\text{Feasible}(D)$

$\Rightarrow \neg \text{M}(\text{source}(l)) \text{ sends on link } l$

$\Rightarrow (\forall t:\mathbb{N}. \text{queue}(l;t) = \text{nil} \in \text{Msg}(\lambda l, tg. \text{M}(\text{source}(l)).\text{dout2}(l;tg)) \text{ List})$