

d-feasible-sched^{0,22}

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

Feasible(D)

$\Rightarrow (\exists sched:(\text{Id} \rightarrow (\mathbb{N} \rightarrow (\text{IdLnk} + \text{Id}) + \text{Unit})).$

$\forall i:\text{Id.}$

$(\forall l:\text{IdLnk.}$

destination(l) = i

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

$\Rightarrow \text{isl}(sched(i))$

$\& (\forall t:\mathbb{N}. \exists t':\mathbb{N}. t \leq t' \& \text{isl}(\text{outl}(sched(i))(t')) \& \text{outl}(\text{outl}(sched(i))(t')) = l)$

$\& (\forall a:\text{Id.}$

a in dom($M(i).\text{pre}$)

$\Rightarrow \text{isl}(sched(i))$

$\& (\forall t:\mathbb{N}.$

$\exists t':\mathbb{N}. t \leq t' \& \neg \text{isl}(\text{outl}(sched(i))(t')) \& \text{outr}(\text{outl}(sched(i))(t')) = a))$