better-d-comp-step[11,40]

$\forall D$:Dsys, *sched*:(Id→(?(ℕ →(IdLnk + Id)))), v:(i:Id→M(i).(timed)state),
dec:(i,a:Id→ ℕ →M(i).state→(?if $a \in$ dom(M(i).prob) then Outcome else Void fi)),
discrete:(Id→Id→ 𝔹).
Feasible(D)
⇒ ($\forall i$:Id, t:ℕ.
∃s:M(i).(timed)state
(s
=
if ($t =_0$ 0)
then λx.M(i).init(x)?v(i,x)
else (CV(d-comp(D; v; *sched*; *dec*; *discrete*))((t - 1),i)).1
fi
& ((CV(d-comp(D; v; *sched*; *dec*; *discrete*))(t,i)
=
stutter-state(s)
∈ d-world-state(D;i))
∨ (∃k:Knd
∃*val*:d-decl(D;i)(k)
(CV(d-comp(D; v; *sched*; *dec*; *discrete*))(t,i)
=
next-world-state(D;i;s;k;*val*)
∈ d-world-state(D;i)
& (((↑isrcv(k))
c∧ (destination(lnk(k)) = i
& ((‖queue(lnk(k);t)‖ ≥ 1)
c∧ (hd(queue(lnk(k);t))
=
msg(lnk(k);tag(k);*val*)
∈ Msg(λl,tg. M(source(l)).dout(l,tg))))))
∨ (↑islocal(k)))))))))

http://www.nuprl.org/FDLcontent/p0_963683_/p70_176748_{better-d-comp-step}.html