better-w-match-exists[11,40]

$\forall$*the_w*:World, *e*:E.
FairFifo
$\Rightarrow$ ($\uparrow$isrcv(kind(*e*)))
$\Rightarrow$ ($\exists$*t*:{0..time(*e*)$^-$}
((↑match(lnk(kind(*e*));*t*;time(*e*)))
& (((0 ≤ (‖rcvs(lnk(kind(*e*));time(*e*))‖ - ‖snds(lnk(kind(*e*));*t*)‖))
& ((‖rcvs(lnk(kind(*e*));time(*e*))‖
- ‖snds(lnk(kind(*e*));*t*)‖) < ‖onlnk(lnk(kind(*e*))
;m(source(lnk(kind(*e*)));*t*))‖))
c∧ (onlnk(lnk(kind(*e*));m(source(lnk(kind(*e*)));*t*))[(‖rcvs(lnk(kind(*e*));time(*e*))‖
- ‖snds(lnk(kind(*e*));*t*)‖)]
=
msg(a(loc(*e*);time(*e*)))
∈ Msg))))

http://www.nuprl.org/FDLcontent/p0_963683_/p69_613001_{better-w-match-exists}.html