

Get an event from event chains $E(1), \dots, E(K)$

$N := K$

$WF := \text{false};$

for $I := 1$ step 1 until N do

begin atom

if WF then begin $N := I - 1; \text{ goto } \alpha$ end

else if event chain nonempty on $E(I)$ then (remove 1st event from $E(I)$, place in EV , goto α)

else (place chain I on $E(I)$)

$N := I - 1; \text{ goto } \alpha$)

end atom;

$\alpha:$ begin atom if $\rightarrow WF$ then ~~begin~~ $NF := \text{false}$, block end end atom;

$\alpha':$ for $I := 1$ step 1 until N do

begin atom (release chain I from $E(I)$) end atom;

goto ~~all done~~;

~~$\alpha:$ for $I := 1$ step 1 until $I - 1$ do~~

~~begin atom (release chain I from $E(I)$) end atom;~~

events in $EV;$

place an event on an event channel E

form event;

begin atom

if no events waiting and process

chain nonempty then

scan process chain until find a process

with $wf = \underline{\text{false}}$; if none ^{then} goto ~~end~~;

$wf = \underline{\text{true}}$; $EV := \text{the event}$;

if not AF then begin $AF := \underline{\text{true}}$;

schedule the process;

end;

goto all done;

(wf, EV, AF
of the process
on the ~~event~~
process chain)

α : other cases as in spec 1 9/19/68

end atom;