

Get an event from
event chain's $E(1), \dots, E(K)$

$N := K$

$WF := \text{false};$

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

begin atom

if not two begin $N := I - 1$; goto end

else if event chain nonempty on $E(I)$ then (remove 1st event from $E(I)$, place in EV ,
 $N := I - 1$; goto end)

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

end atom ;

begin atom if \rightarrow $WF = \text{true}$ begin $WF := \text{false}$; block end end atom ;

α : for $I := 1$ step 1 until N do

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

~~goto allways;~~

~~for $I := 2$ step 1 until $I - 1$ do~~

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

~~allways~~

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} ~~stop~~;

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

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

schedule the process

end;

goto all done;

(WF, EV, WF
at the process
on the ~~event~~
process chain)

~~if none then stop~~

α : other cases as in spec 1 9/19/68

end atom;