MACHINE m0
SEES c0
VARIABLES
wait
process
INVARIANTS
inv1: $wait \subseteq PROCESS$
inv2: $process \subseteq PROCESS$
inv3: $finite(process)$
inv4: $card(process) \leq 1$
EVENTS
Initialisation ⟨extended⟩
begin
act1: $wait := \varnothing$
act2: $process := \varnothing$
end
Event wish ⟨ordinary⟩ $\widehat{=}$
any
pro
where
grd1: $pro \in PROCESS \setminus wait$
grd2: $pro \in PROCESS \setminus process$
then
act1: $wait := wait \cup \{pro\}$
end
Event enter ⟨ordinary⟩ $\widehat{=}$
any
pro
where
grd1: $pro \in wait$
grd2: $card(process) = 0$
then
act1: $wait := wait \setminus \{pro\}$
act2: $process := process \cup \{pro\}$
end
Event leave ⟨ordinary⟩ $\widehat{=}$
any
pro
where
grd1: $pro \in process$
then
act1: $process := process \setminus \{pro\}$
end
END