fischerPAT_obs.imi

Clocks	Parameters	Discrete	Initial
x1 x2	delta gamma	turn counter	x2 >= 0 & x1 >= 0 & gamma >= 0 & delta >= 0

proc1

idle1 | True

turn + 1 = 0
try_1
x1:=0

active1 | delta >= x1

turn > 1
& x1 >= gamma
no_access_1
x1:=0

1 > turn
& x1 >= gamma
no_access_1
x1:=0

True
update_1
x1:=0
turn:=1

check1 | True

turn = 1
& x1 >= gamma
access_1
x1:=0

access1 | True

True
enter_1
counter:=counter + 1

CS1 | True

True
exit_1
x1:=0
counter:=counter - 1
turn:=-1

proc2

idle2 | True

turn + 1 = 0
try_2
x2:=0

active2 | delta >= x2

turn > 2
& x2 >= gamma
no_access_2
x2:=0

2 > turn
& x2 >= gamma
no_access_2
x2:=0

True
update_2
x2:=0
turn:=2

check2 | True

turn = 2
& x2 >= gamma
access_2
x2:=0

access2 | True

True
enter_2
counter:=counter + 1

CS2 | True

True
exit_2
x2:=0
counter:=counter - 1
turn:=-1

observer

obs_waiting | True

True
enter_1

True
exit_1

True
enter_2

True
exit_2

obs_1 | True

obs_2 | True

True
enter_2

True
enter_1

True
enter_2

True
enter_1

obs_violation | True