monitor impresoras

var

i,impresoras: Integer = 3

libre: Array of Boolean (Inicializados a true)

imp:condition

procedure integer take\_print:

begin

if impresoras == 0 then wait(imp)

n:= 0

while not(libre[n]) and n < 3 do

n:= n+1

libre[n]:= false;

impresoras:impresoras-1;

end

procedure droop\_print(var n: integer)

begin

libre[n]:= true;

impresoras:= impresoras+1;

signal(imp)

end

task impresoras is

i: integer;

begin

while true:

begin

i:= take\_print()

drop\_print(i);

end;

end