```
class facility;
begin ref (head) waiting;

procedure seize;
~~if waiting.empty then current.into(waiting)~~
~~else begin current.into(waiting); passivate end~~
~~current~~

begin current.into(waiting);
    if ~~current~~ waiting.first =/= current then passivate
end

procedure release;
~~begin current.out~~
if waiting.first =/= current then error
else begin current.out; activate waiting.first end;

waiting:- new head
end

                machine   machine
ref (facility) ~~F~~;      ~~F~~:- new facility;

process class order(--) ---;
begin ---- machine.seize; ----- machine.release --end
```