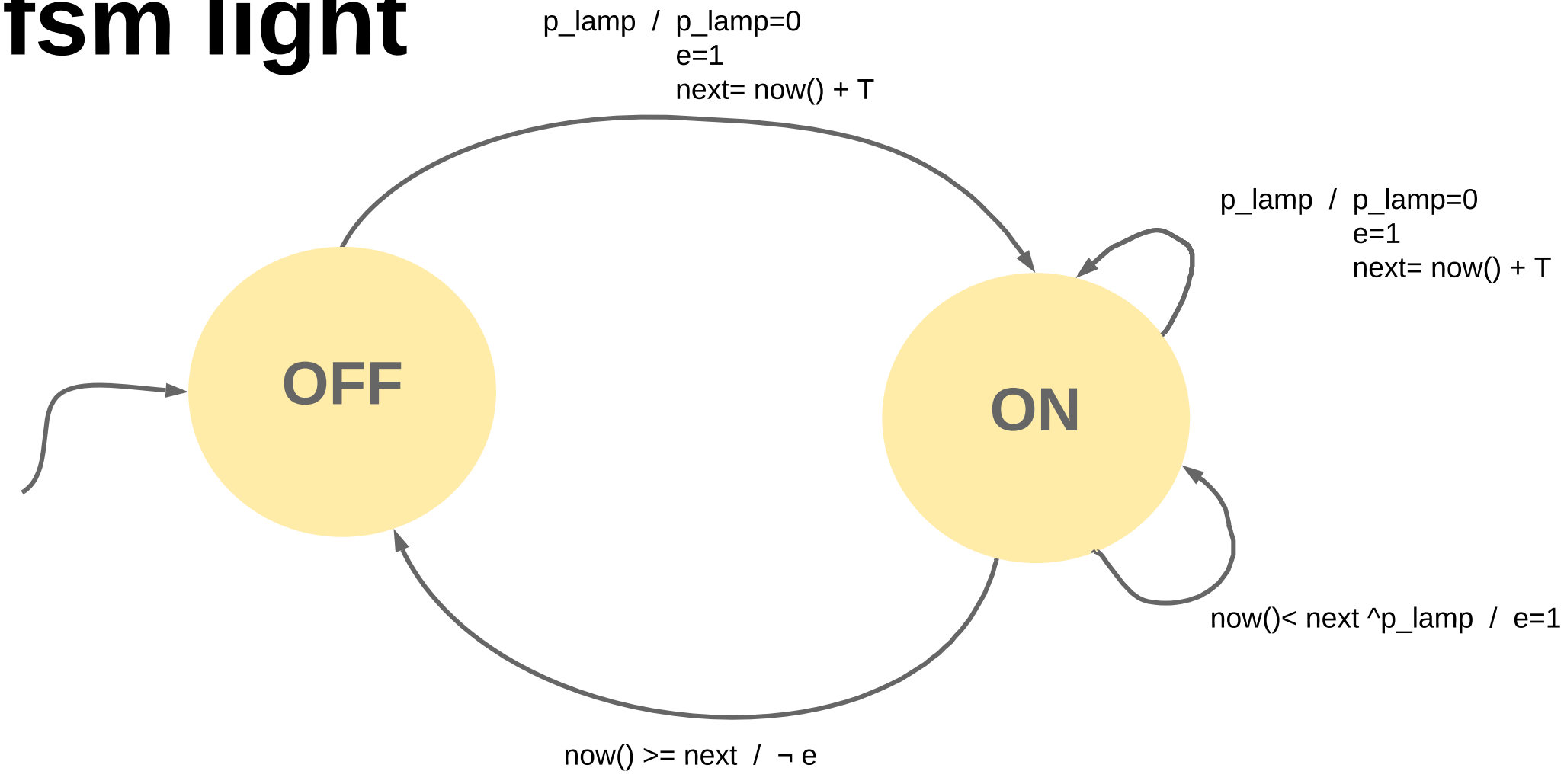
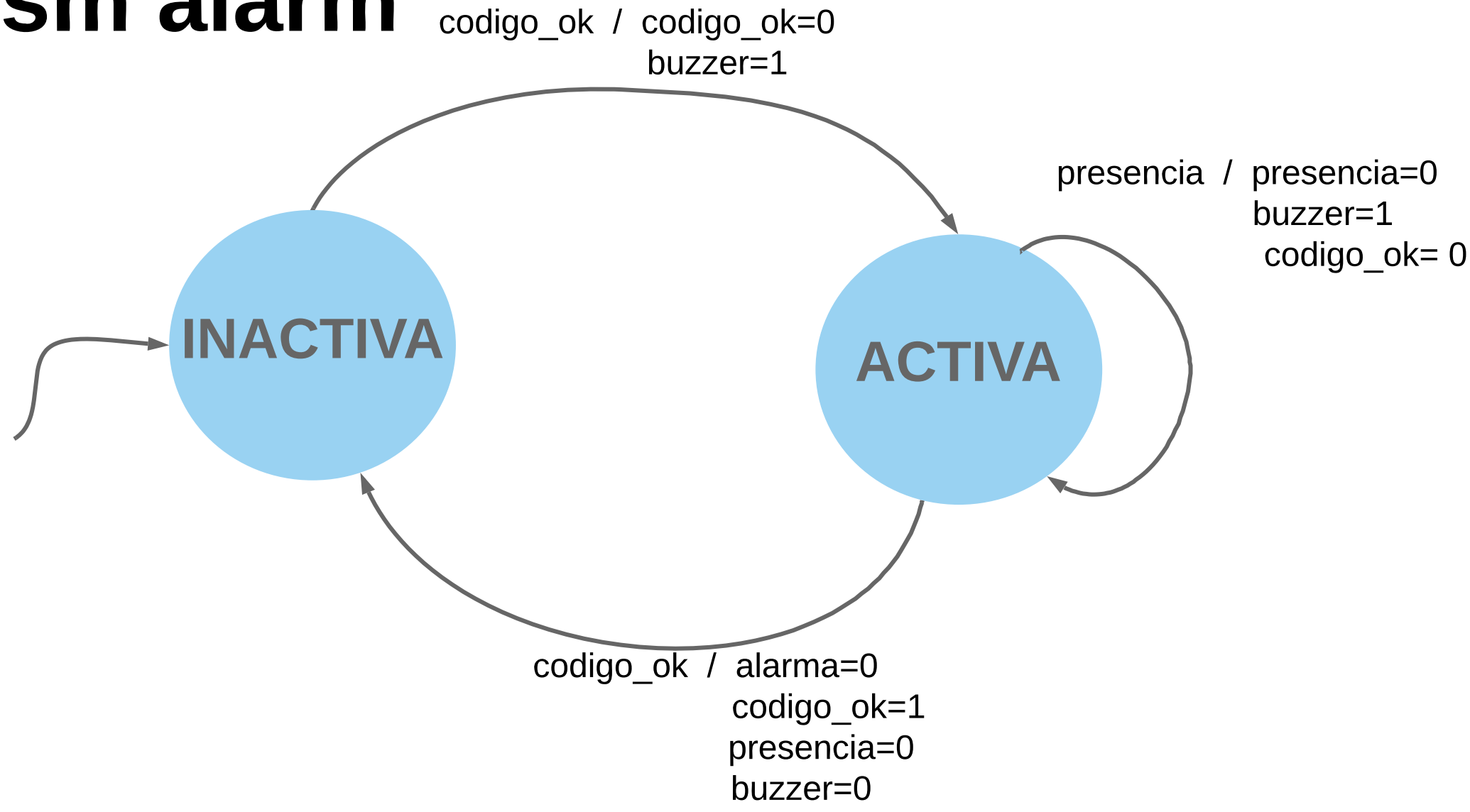
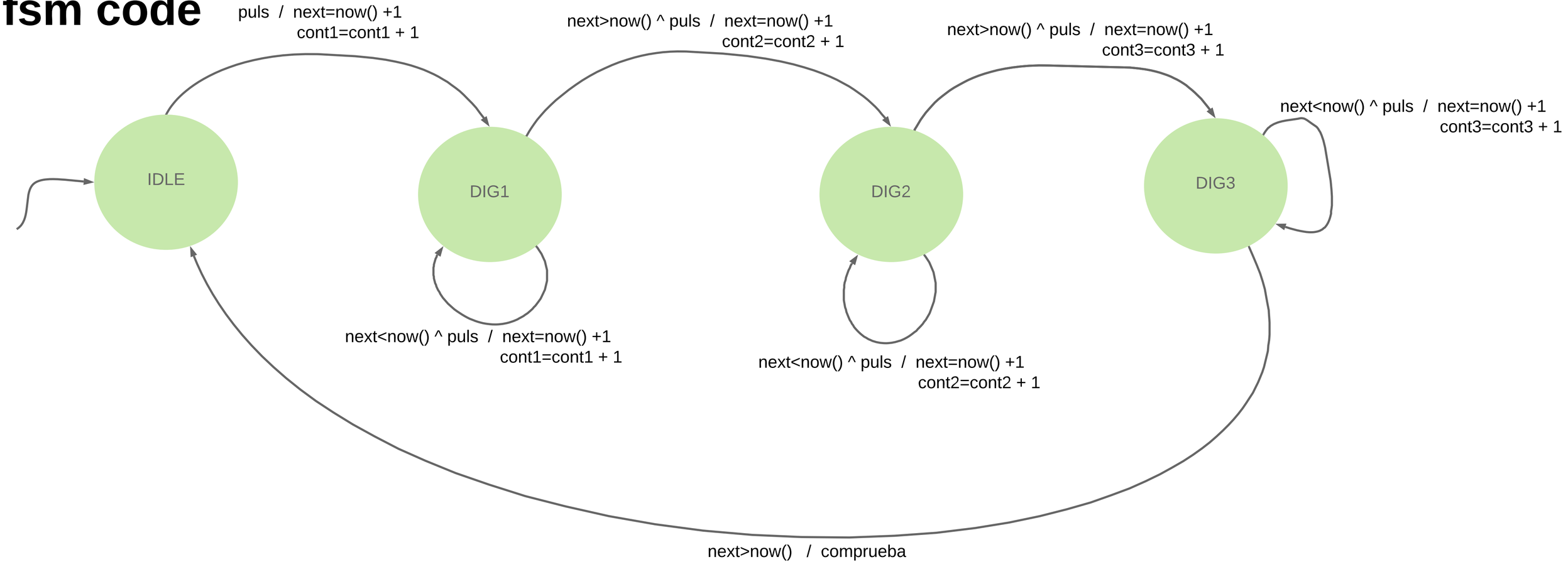
fsm light


p_lamp / p_lamp=0
e=1
next= now() + T
p_lamp / p_lamp=0
e=1
next= now() + T
OFF
ON
now()< next ^p_lamp / e=1
now() >= next / ¬ e

fsm alarm


codigo_ok / codigo_ok=0
buzzer=1
presencia / presencia=0
buzzer=1
codigo_ok= 0
INACTIVA
ACTIVA
codigo_ok / alarma=0
codigo_ok=1
presencia=0
buzzer=0

fsm code


puls / next=now() +1
cont1=cont1 + 1
next>now() ^ puls / next=now() +1
cont2=cont2 + 1
next>now() ^ puls / next=now() +1
cont3=cont3 + 1
next<now() ^ puls / next=now() +1
cont3=cont3 + 1
IDLE
DIG1
DIG2
DIG3
next<now() ^ puls / next=now() +1
cont1=cont1 + 1
next<now() ^ puls / next=now() +1
cont2=cont2 + 1
next>now() / comprueba