```
Moritor
                                                                                                             INV= 1 cor-voith 20 1 cor-soul 20 1 ped 20
      car-north: int =0
                                                                                                                                            Car-vorth 70 -> car-south = ped=0
     cer-south : int = 0
                                                                                                                                           our-south so -> car-voith = at south=0 {
ped >0 -> car-voith + car-south=0 {
     ped :nt =0
    cord-north-cor: VC
  cond-south-cor: ve
  cond-ped 2 : VC
def neuts-enter-car (Aldivection):
               if direction == Nonth:
                           cond_virth-car_wait for (car-south + ped=0)
cor-verth - car-vait for (car-south + ped=0)
cor-verth - car-vait for (car-south + ped=0)
              elif want direction == South:
                            cond_south_car.weid-for (car-north+ped=0)
car-sout += 1 > se cuple el unorcarle
 def leaves - cor (direction):
                                                                                                                                                                                                                                                           · 一种相对如此
             if direction == NORTH:
                       cas-north -=1
         cond-south car. notify[all() [No quedan experiends

cond-ped. notify-all()

elf direction = = South:
                                                                                                                                                                                                                                       solvenies in suches his world
                          car-sent -= 1
                          if car-south == 0:

cond-noil-car. rotif-all() (No greden expercando

cond-ped. notify-all()
                                                                                                                    -> IIVV
                                                                     and the second of the second o
                                                                                                                                                                                                                                  But the transportation of
                                                                                                                                             Will admin our - William Id
```

def wils-enter-pedestrian () cond ped wat (cor-north + cor-south ==0) == So comple el invoriante pecl += 1 def leaves - pedestrian (): red -= 1 if ped == 0: cond-north-car. notify-all) (No se greden esperando cond-sait-car. notify-all) Gracias a las variables condición, no esposible que haya coches y peatores a la rez en el prente. Adecuais, hauendo uso de estas y los notify, no greda ningún hibo en Para la posible manición, se propose enudor un semaforo recl, que de paso a landas le forma que haya poso en ambos sentidos, en función del número de coches o pectores an espera. Hubriera podido bacerse tembrén con un control de Hempo, o primero de de caches que ya han posodo en un sentido de lemmado. Le amadina: car-north-waiting ! int = 0 car-sout-naiting: int =0

ped-naiting: int =0 semaphore = E (codigo de vou ables: E=1, empty; P=2, ped; N=3, north; S=4, south;) Alowortente anterdor se anadiria: car-north-waiting 20 car-sad -waiting 30 ped-waiting 30 semaphore & 4 E,P,N,S & or and the En el código: 144 H = == les wants-enter-car: cond-car-north wait-for (car-north-enter) - Signe situals seguro car-north-waiting -= 1 if semaphore == E zemaphore = N -0 pasar mos avoites del N.

ely direction == SoutH: cond-car-soul wait-for (cor-south-enter) -> signe neudo seguro. car-soil waiting += 1 car-sout-waiting == 1 if remaphore == E: semaphore = S car_saif += 1 -> IINV} def leans-cor () afuelizar les coches que estan el el ten prente: Solo cambia, además de Dependiencho de los conditiones (descritos en IVV), if car-sait-waiting >0: semaphore = 5 Se reporte el poder entrar gracios al emulador de elif ped-waiting ?0: clse:

seuraphore = E

cond (or-soul nonty-all) { No se quedan esperando.

sond-ped. ntify-all!) { No se quedan esperando.

sond-ped. ntify-all!)

De ignal forma sucede en mails a peatones se refiere. semaforo. Asi, todos tieven la grottemided de entrar de Journa organizada.