ΕΡΓΑΣΙΑ 3

conditions: passengers, train, intrain, getDown, waitmain
global μεταβλητές: waitingPassengers, ridingPassengers, trainCapacity(capacity), isriding, totalVisitors, leave

Τρενάκι:	Επιβάτης:
```while(1){ mutex_lock isriding=0; if(waitingPassengers>0&&ridingPassengers<capacity){ waitingPassengers--; ridingPassengers++; cond_signal(passengers); } cond_wait(train); mutex_unlock //ride mutex_lock for(;ridingPassengers>0; ridingPassengers--){ cond_signal(intrain); } if(leave!=capacity){ cond_wait(getDown); } leave=0; mutex_unlock } ```	```mutex_lock if(isriding!=0 || ridingPassengers==capacity){ waitingPassengers++; cond_wait(passengers); } else{ ridingPassengers++; } if(ridingPassengers<capacity&&waitingPassengers>0){ waitingPassengers--; ridingPassengers++; cond_signal(passengers); } totalVisitors--; if(επιβιβασμενοι ειναι πολλαπλασιο του capacity){ if(ridingPassengers == capacity){ isriding=1; cond_signal(train); } } cond_wait(intrain); leave++; if(leave==capacity){ cond_signal(getDown); } mutex_unlock ```