Homework 1

Course: CO20-320202

22 Sep 2019

Problem 1.1 Solution:

```
detective_enter()
 mutex.down
  if client_count > 0:
   for (i:clients_count)
          clients.up
  else:
   detective_count++
   mutex.up
       detective.down
detective_count--
leave()
mutex.up
client_enter()
       if detective_count > 0
              mutex.up
               detective.up
        else:
               client_count++
               client.down
        leave()
```

Problem 1.2

Solution:

Cooperated with Kristijan Spirkoski and Ivan Kabadzov.