Laboratory

### Problem: 1. Supermarket inventory

1000 of records  
  
  
Threads:  
 5 -> 0.08, 0.64 seconds average: 0.072  
 500 -> 0.176 seconds  
 1000 -> 0.208 seconds

Mutex protects for each run the modification of the quantity of each product in order to avoid the deadlock.

A verification could occure with a probability of 0.6 for each transaction.