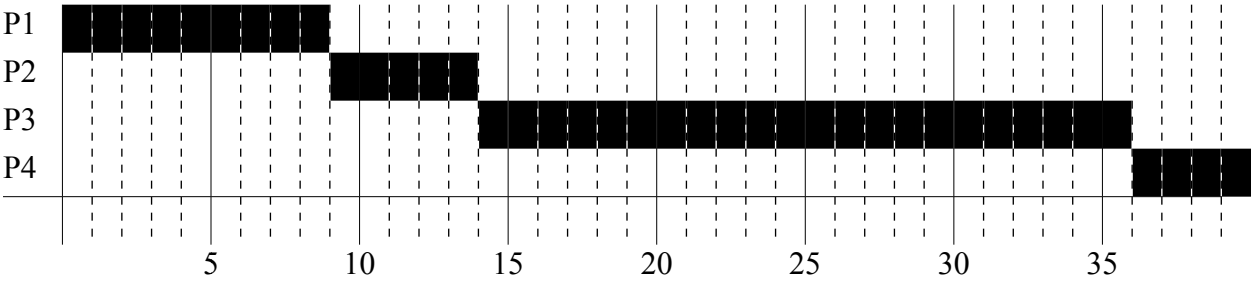
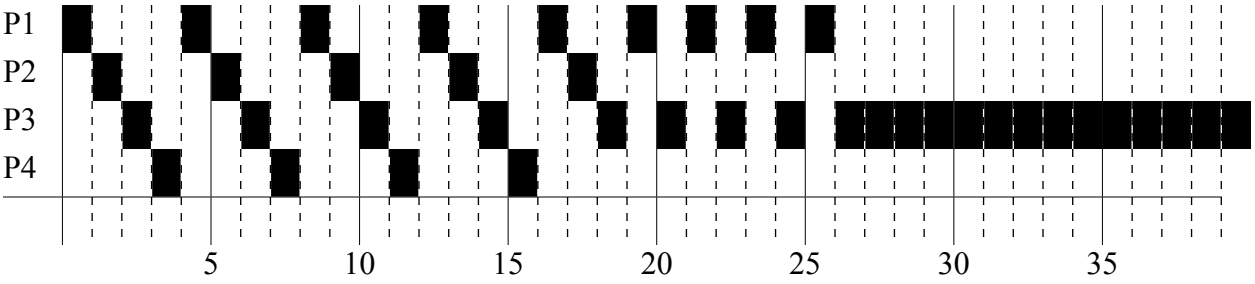


Process	Waiting time	Response time
P1	0	9
P2	9	14
P3	14	36
P4	36	40
Average	14.75	24.75



Process	Waiting time	Response time
P1	17	26
P2	13	18
P3	18	40
P4	12	16
Average	15	25

COMP 3430 Assignment 3 Winter 2009

2a) Priority Ceiling is a scheme where a resource is assigned a maximum priority for processes that can lock it. When a process locks the resource, it is temporarily assigned this maximum priority.

Priority Inheritance is a similar scheme where a process entering a critical section is temporarily assigned the highest priority of processes it would block.

2b) You should just need to call pthread_mutexattr_setprioceiling with the desired ceiling priority.