## **Lab 6.2**

Introduce the semaphores on xv6 kernel.

Since the xv6 is a kernel without threads, see the file system and pipe implementation as source for developing your semaphores.

Add to the xv6 Makefile the main file st.c, which tests the semaphores system calls

Modify the files

```
Makefile

param.h

user.h

usys.S

syscall.h

syscall.c

file.c

sysfile.c

main.c

to add the system calls:

int sem_alloc()

void sem_init(int sem, int count)

void sem_destroy(int sem)

void sem_wait(int sem)

void sem_post(int sem)
```