1. See A8p1.c
2. See A8p2\_shm.c, A8p2\_unixpipe.c and A8p2\_namedpipe.c
3. See makefile
4. 0~2: P1

2~4: P2

4~12: P3

12~21: P2

21~33: P1

33~53: P4

1. Gantt chart:

0~4: P1

4~8: P2

8~11: P3

11~14: P1

14~15: P2

P1’s turnaround time=14-0=14

P2’s turnaround time=15-0=15

P3’s turnaround time=11-0=11