CS630: Homework #4

This assignment is due by 02/24.
Homework should send to hung@njit.edu
Via email with a subject line read as: CS630/002 HW#04

As shown on the 02/17 class scratch, assume that P_A, P_B and P_C are three programs. When P_A is executed, it needs 8 ticks to complete its execution and it forks new processes executing P_B at tick-marks 2 and 4. Similarly, P_B needs 6 ticks to complete its execution and it forks new processes executing P_C at tick-marks 2; and P_C needs 4 ticks to complete its execution. Assume that 3 process {P_1, P_2, P_3} have arrived before t=0, and P_1 and P_2 are executing P_A while P_3 is executing program P_B. Draw a Gantt chart illustrating the scheduling of these processes if a SRTF scheduling is used. Note: Work until the last process, P_{12}, is created.