

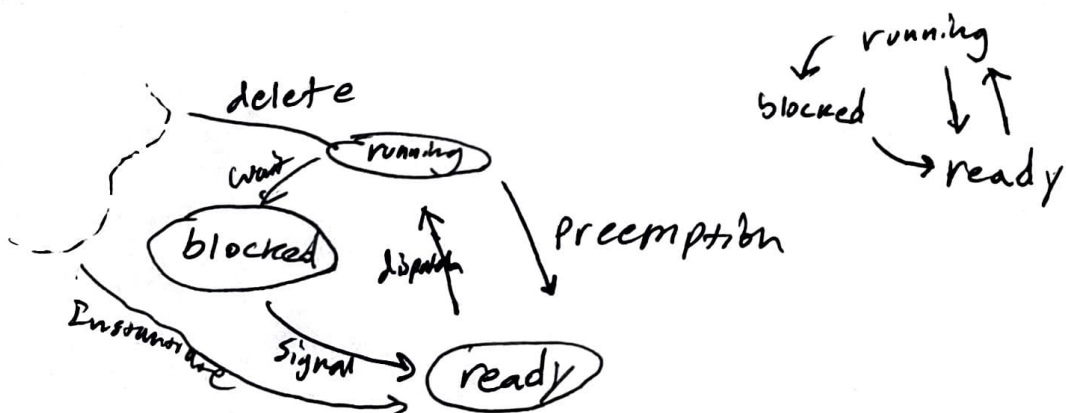
006896598

I.)

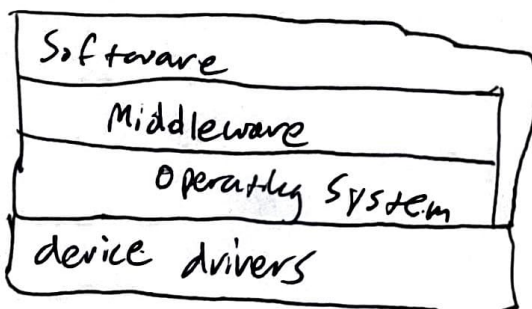
- ① ~~6. a) False~~ a.) Constrained resources
- ② a.) True
- ③ a.) True
- ④ ~~6. a) False~~ a.) True
- ⑤ b.) Event triggered
- ⑥ b.) Period of server
- ⑦ a.) aperiodic tasks
- ⑧ a.) True
- ⑨ b.) blocked state
- ⑩ b.) configurability

II.)

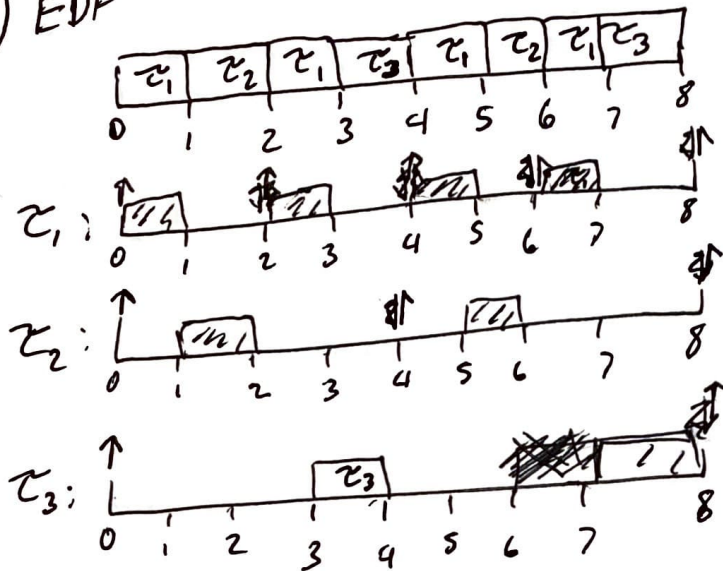
a.)



b.)



### III.) EDF

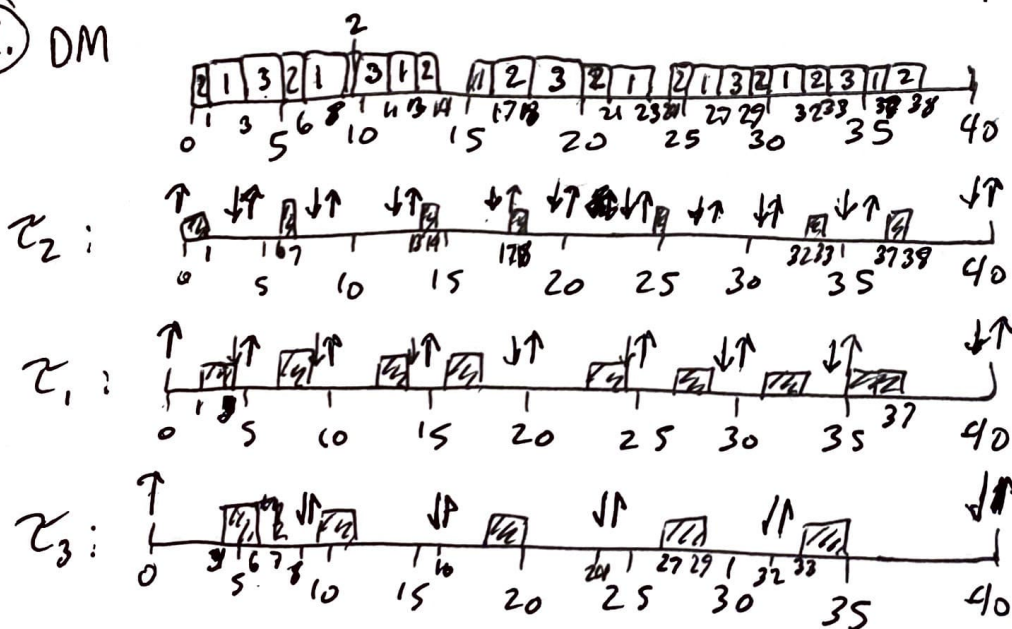


$$\tau_1 > \tau_2 > \tau_3$$

Yes, all tasks meet deadlines

### IV.) order: $\tau_2 > \tau_1 > \tau_3$ , $C_i \leq D_i \leq T_i$

a.) DM

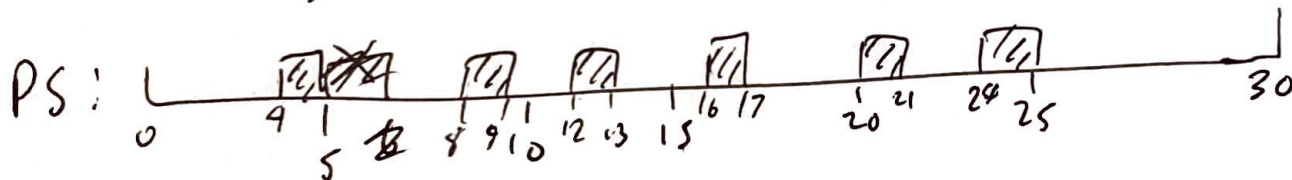
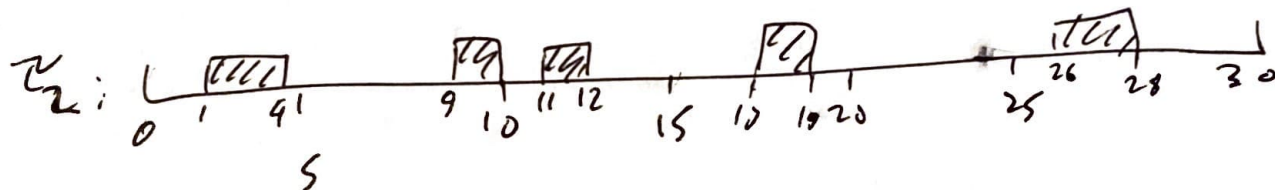
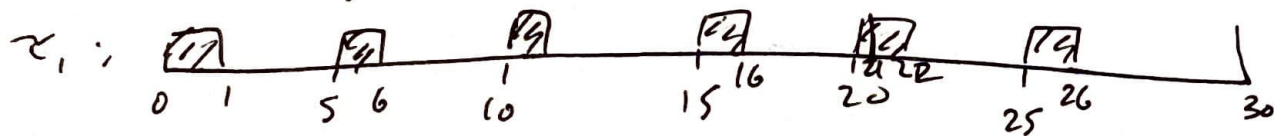
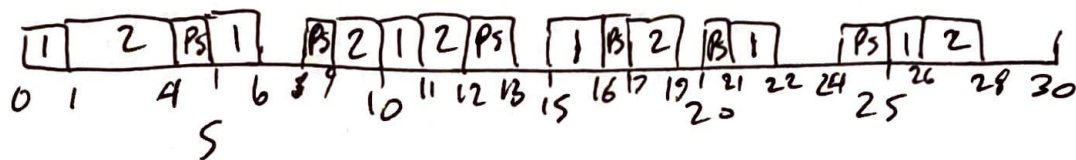


$$b.) \sum_{i=1}^n \frac{C_i}{D_i} = \frac{2}{4} + \frac{1}{3} + \frac{2}{8} = \frac{13}{12} \quad \text{false} \quad 0.78 = 3(2^{1/3} - 1)$$

The sufficient condition fails

V.)  $\tau_1 > \tau_2 > PS$

① RM



② Computation capacity of PS:

