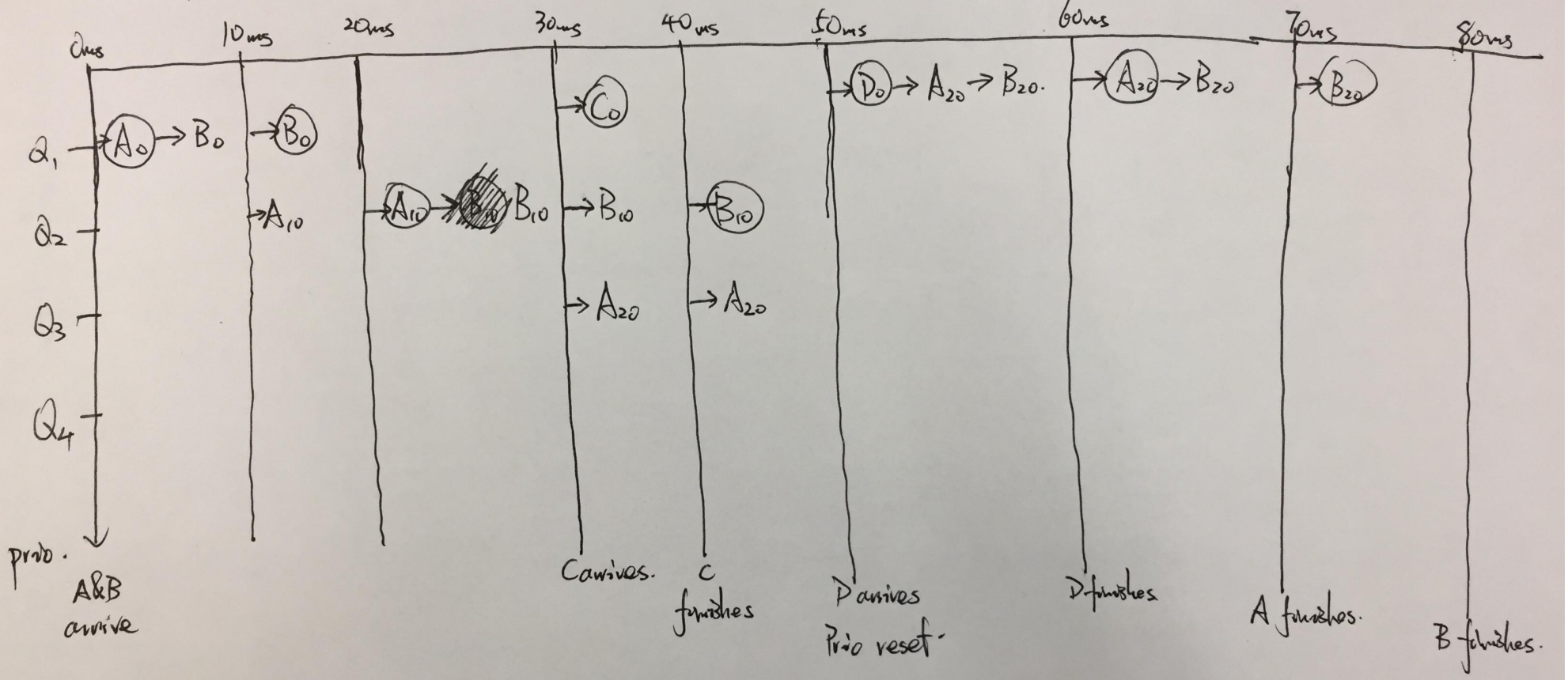
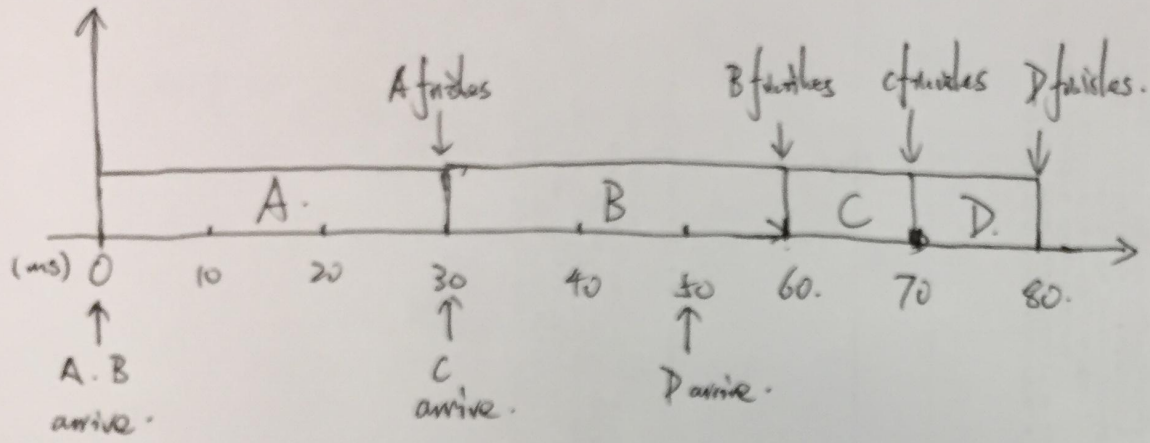
c) MLFQ.



$$T_{turnaround} = \frac{70+80+10+10}{4} = 42.5(ms.)$$

$$T_{response} = \frac{10+0+0+0}{4} = 2.5(ms)$$

a) FIFO:



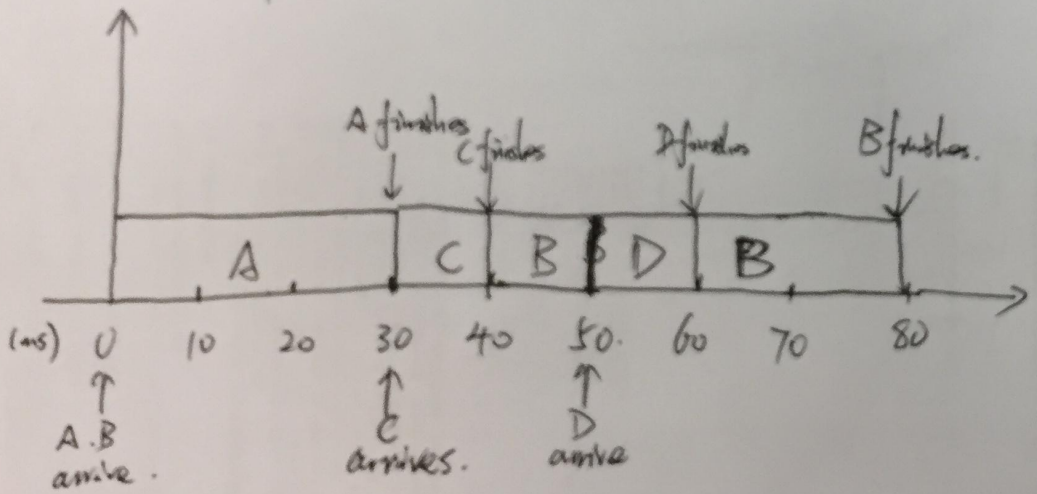
$$T_{turnaround} = \frac{30+60+40+30}{4} = \frac{160}{4}$$

$$= 40 \text{ (ms)}$$

$$T_{response} = \frac{0+30+30+20}{4} = \frac{80}{4}$$

$$= 20 \text{ (ms)}$$

b) STCF



$$T_{turnaround} = \frac{30+80+10+10}{4} = \frac{130}{4}$$

$$= 32.5 \text{ (ms)}$$

$$T_{response} = \frac{0+0+0+0}{4} = 10 \text{ (ms)}$$