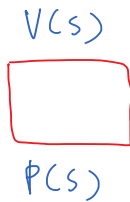
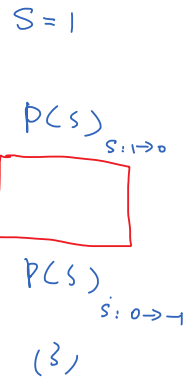


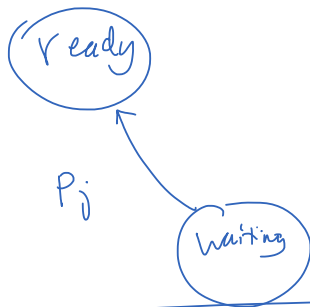
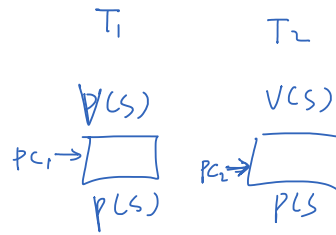
(1)  
 ✓



(2)

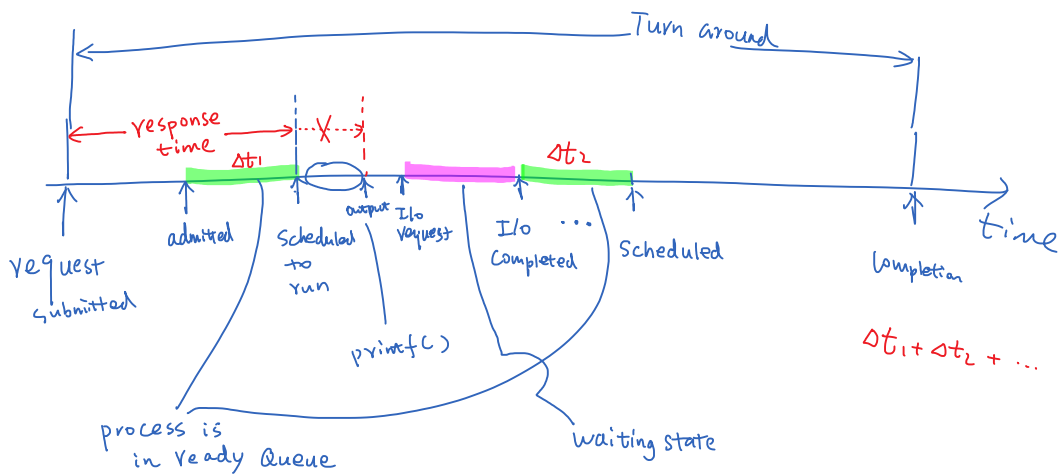


No synchronization  
 (4)

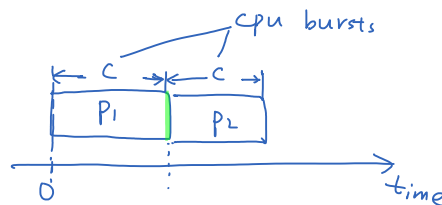


preemptive scheduling means  
 $P_i$  is preempted.

$P_j$  has higher priority



Response time ↓

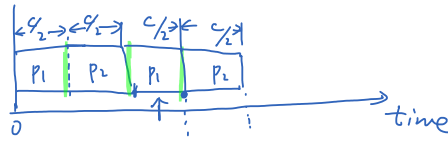


$1/c$  throughput

We assume the two processes arrive at the same time @ 0

Response time:  $P_1: 0 \quad 0$   
 $P_2: C \quad C/2$

to improve response time:



$$\frac{1}{\frac{3}{2} \cdot C} + \frac{2}{2 \cdot C} = \frac{1}{2} < \frac{1}{C}$$

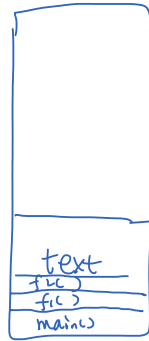
$$Q_0 = \frac{C}{4}$$



$$\frac{1}{Q_0 + \frac{7}{4}C} + \frac{2}{2C + Q_0} = \frac{1}{2} < \frac{1}{C}$$

# of processes completed.  
 required cpu time.

ordinary function call



```

Void f1() {
}
main() {
    f1()  =>  CALL f1()
}
MOV EBP, ...
JMP L-f1
    
```

