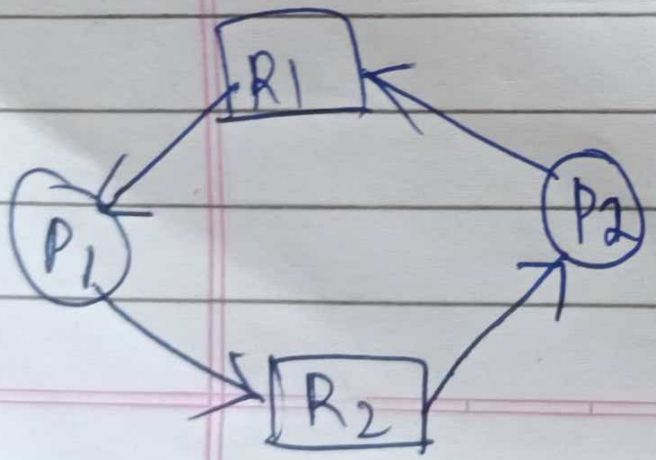
P1

	Allocate (incoming to process)		Request (outgoing from process)	
	R_1	R_2	R_1	R_2
P1	1	0	0	1
P2	0	1	1	0



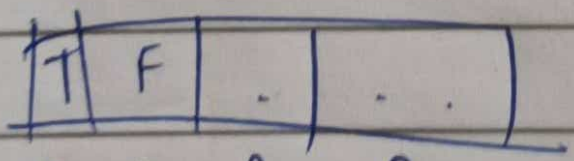
Allocate < Request.

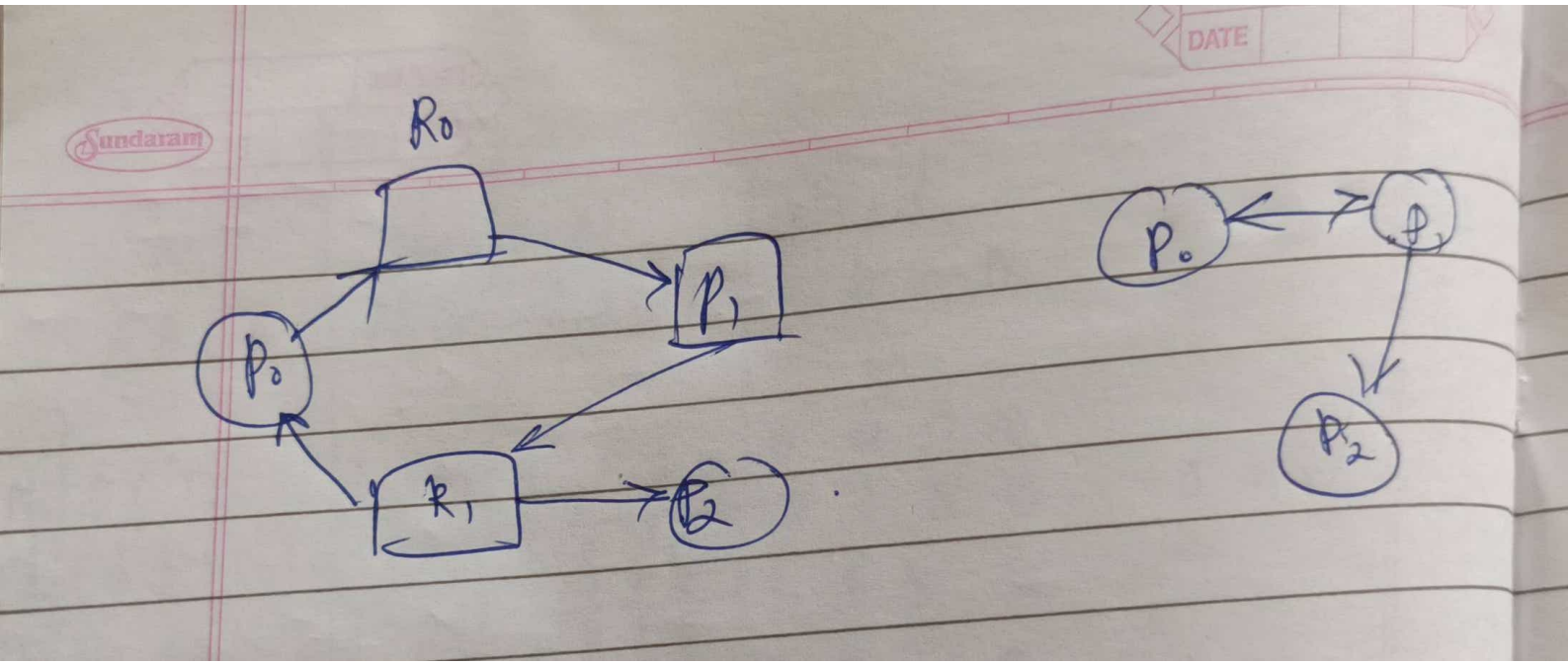
∴ deadlock

RemNeed = Maxneed - Alloc

RN < Avail ? Avail + = Alloc

Finish

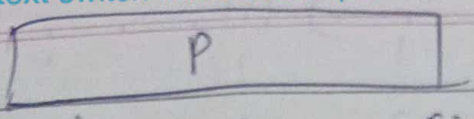



Sundaram
DATE
R0
P1
P0
R1
P2
P0
P2

time quantum very big : rr=fcfs

time quantum very small:

no od context switch increases-> performance degrade



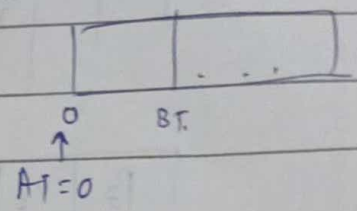
Waiting Time Finish time / Compl. Time

TAT = CT - AT

WT = TAT - BT = Most Right LHS - Most left LHS
- AT

- FCFS ... AT not given : AT of all proc. = 0.
Execute ek by ek.

- FCFS ... AT given.



- ~~FC~~ SJF non preemptive.
Shortest BT wale pehle Execute

WT/most Lhs - AT = RT

AT given : 0 ... phir jaise jaise aaye, lowest BT dekh.

AT not given : BT shortest, ...

priority = BT of 2 process =, which one come first (in order).

---

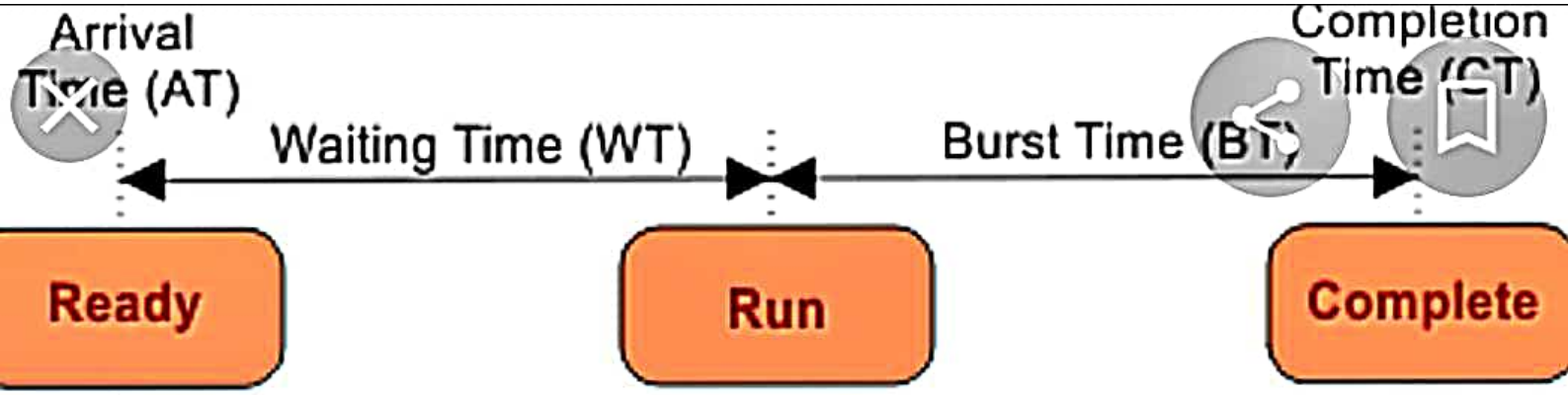
if AT = 0 : all processes arrive at same time :

(i) TAT = CT

(ii) SJF preemp. = SJF non preem.
i.e. SJF = SRTF

RR : jaise sequence mei aye h waise time slot pe Execute kro if AT not given.

SRTF = h toh serially pehle wale lo



Turn Around Time (TAT) = CT - AT
OR
Turn Around Time (TAT) = WT + BT

So,
CT - AT = WT + BT
Waiting Time (WT) = TAT - BT