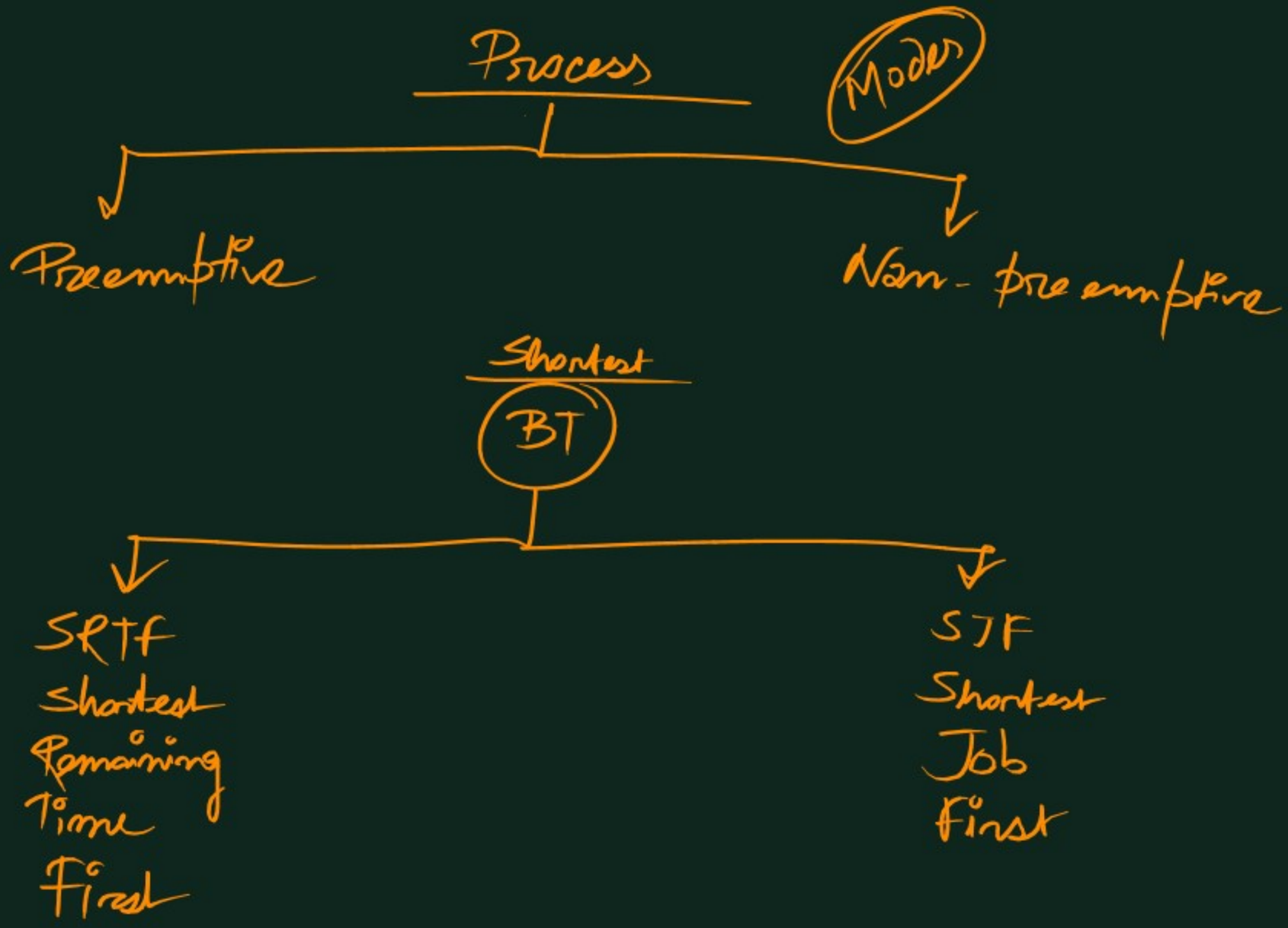

Process
Modes
Preemptive
Non-preemptive
Shortest
BT
SRTF
Shortest
Remaining
Time
First
SJF
Shortest
Job
First

SRTF:

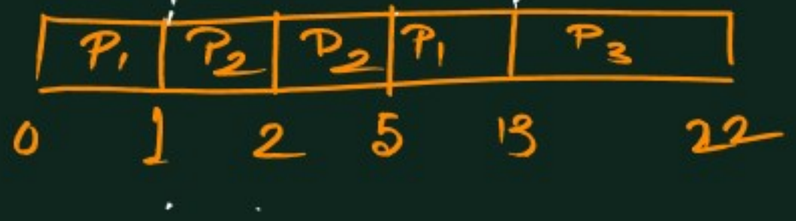
Criteria: BT

Mode: Preemptive

PNo.	AT	BT	CT	TAT	WT
1	0	~~8~~	13	13	4
2	1	~~4~~ ~~3~~ 0	5	4	0
3	2	9	22	20	11

$\frac{4+0+11}{3} = 5$ AWT

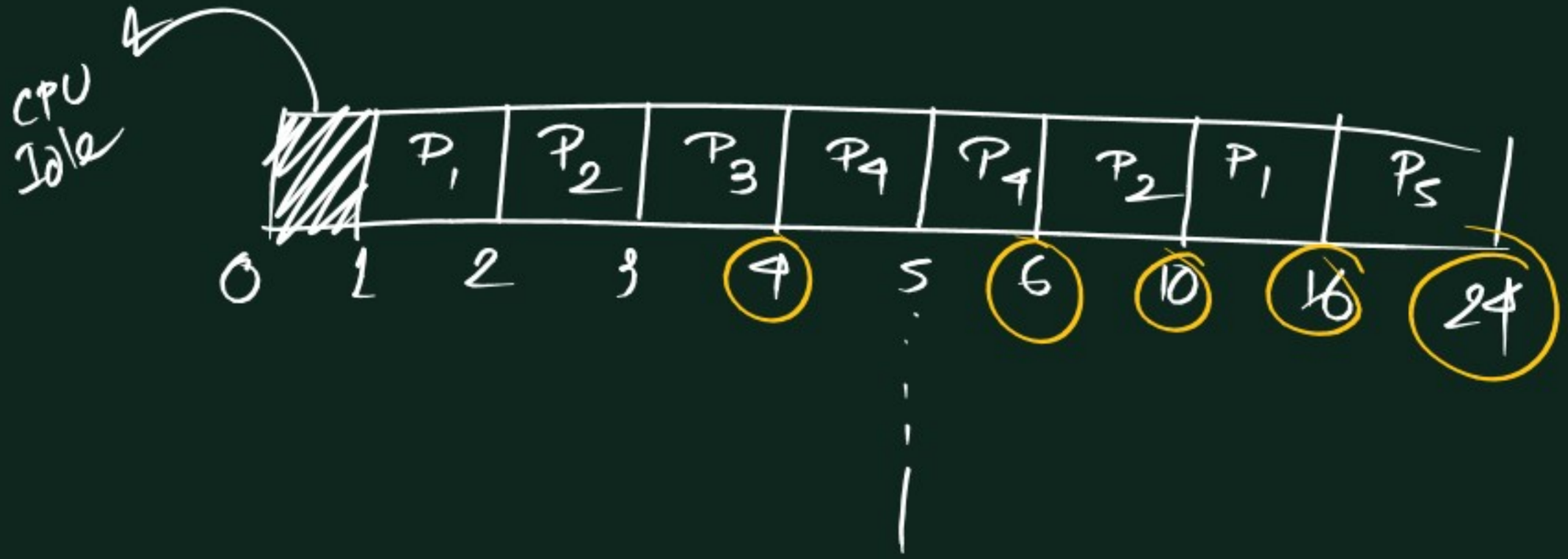
Gantt Chart



PNo	AT	BT	CT	TAT	WT
1	1	7 ~~6 0~~	16	15	8
2	2	~~3~~ ~~4 0~~	10	8	3
3	3	~~1~~ 0	4	1	0
4	4	~~2~~ ~~1 0~~	6	2	0
5	5	~~8~~ 0	24	19	11

$\frac{22}{5} = 4.4$

AWT



(1)

Pno.	AT	BT
1	0	7
2	1	5
3	2	3
4	3	1
5	4	2
6	5	1

(2)

Pno.	AT	BT
1	3	1
2	1	4
3	4	2
4	0	6
5	2	3

(3)

PNo.	AT	BT
1	0	20
2	1	1
3	2	1

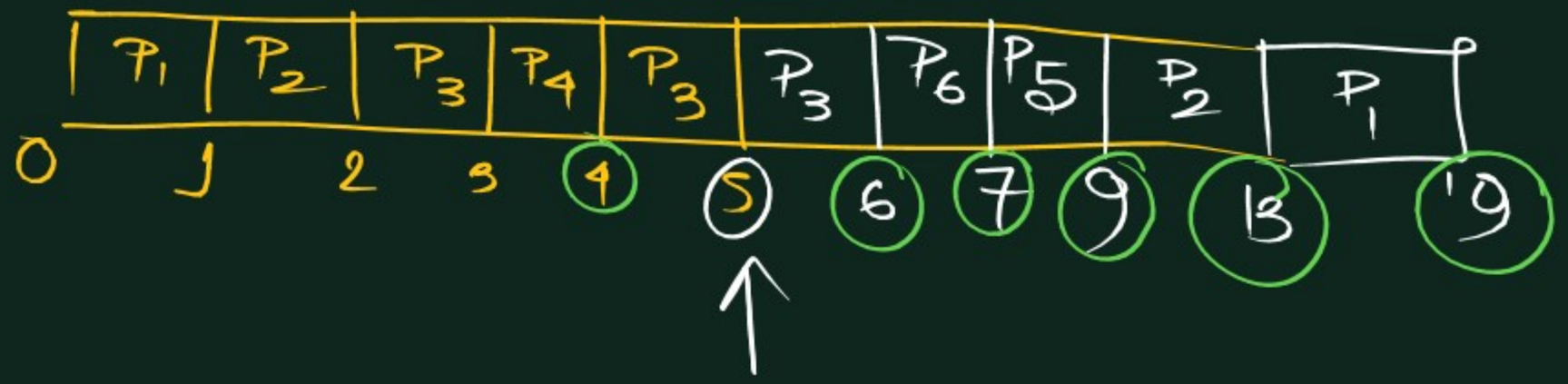
(4)

PNo.	AT	BT
1	0	20
2	15	15
3	30	10
4	45	15

(1)

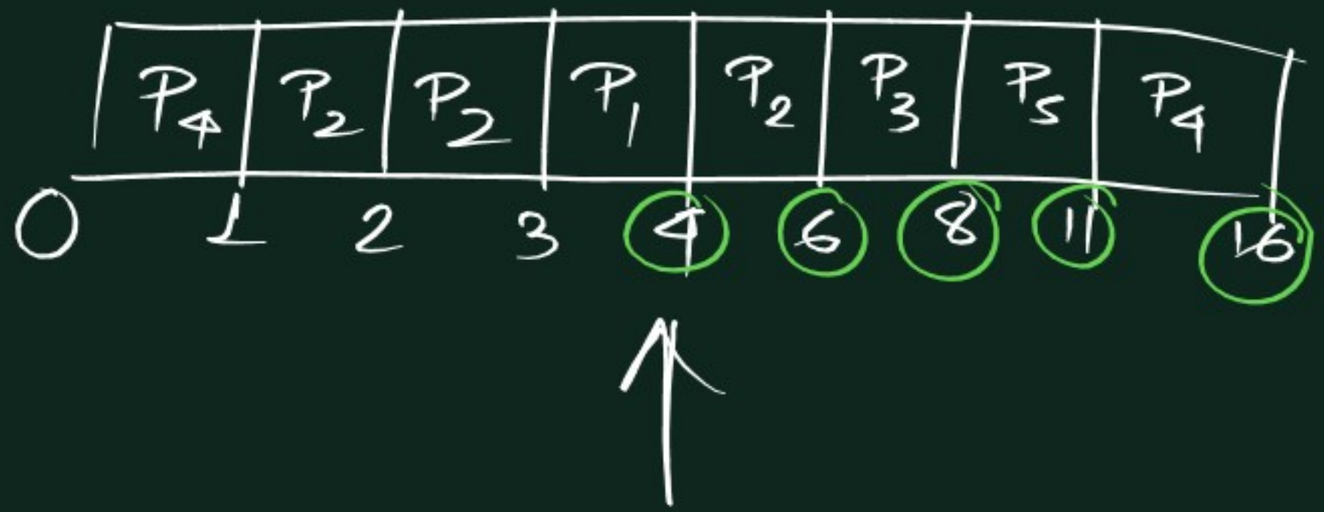
PNo	AT	BT	CT	TAT	WT
→ 1	0	~~7~~ ~~6~~ 0	19	19	12
2	1	~~5~~ ~~4~~ 0	13	12	7
3	2	~~3~~ ~~2~~ ~~1~~ 0	6	4	1
4	3	~~1~~ 0	4	1	0
5	4	~~2~~ 0	9	5	3
6	5	~~1~~ 0	7	2	1

$\frac{24}{6} = 4$

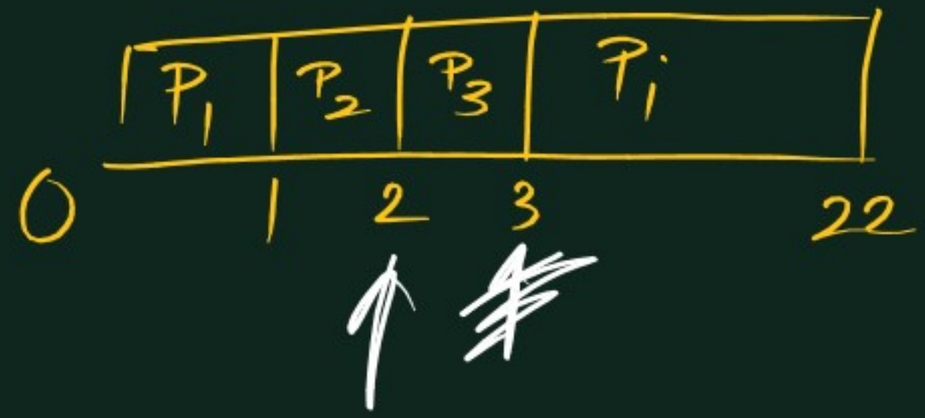


PNo	AT	BT	CT	TAT	WT
1	3	~~1~~ 0	4	1	0
2	1	~~4~~ ~~3~~ ~~2~~ 0	6	5	1
3	4	~~2~~ 0	8	4	2
4	0	~~6~~ ~~5~~ 0	16	16	10
5	2	~~3~~ 0	11	9	6

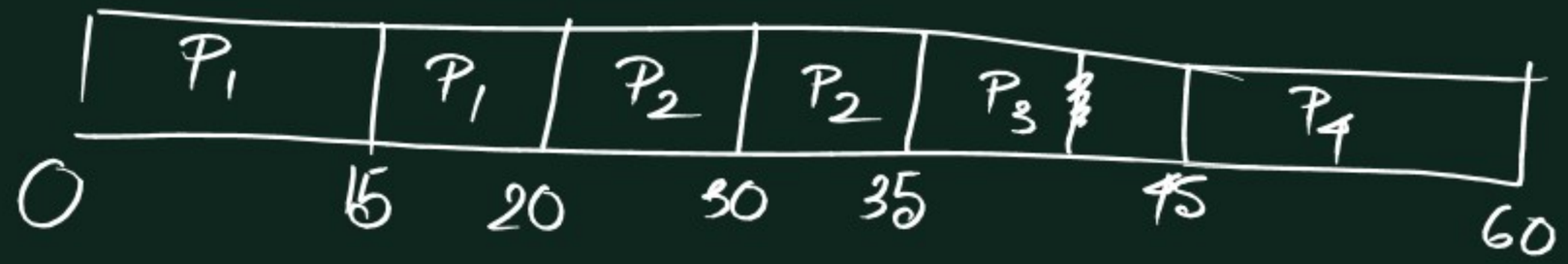
$\frac{19}{5} = 3.8\ldots$



P.No.	AT	BT		CT	TAT	WT
1	0	~~20~~ ~~19~~	0	22	22	2
2	1	~~10~~		2	1	0
3	2	~~10~~		3	1	0



PNo.	AT	BT	CT	TAT	WT
1	0	~~20~~ ~~5~~ 0	20	20	0
2	15	~~15~~ ~~5~~ 0	35	20	5
3	30	10	45	15	5
4	45	15	60	15	0

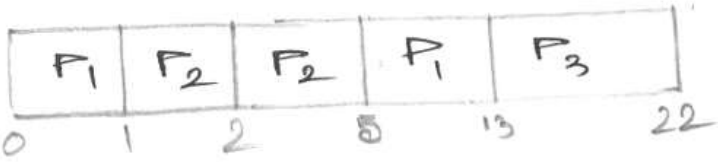


- **SRTF:**
  - Criteria: Burst time
  - Mode: Preemptive, thus, until all the processes are available in the ready queue we should look for the availability of job with lesser BT every 1 unit of time.

GATE 2011 (find AWT)

Pno.	AT	BT	CT	TAT	WT
1	0	9 8 0	13	13	4
2	1	4 3 0	5	4	0
3	2	9 0	22	20	11

$\therefore$ AWT $= (4+0+11)$
$= 5$ unit



GATE 2004 (find WT of P_2)

Pno.	AT	BT	CT	TAT	WT
1	0	20 5 0	20	20	0
2	15	25 15 10	55	40	15
3	30	10 0	40	10	0
4	45	15 0	70	25	10