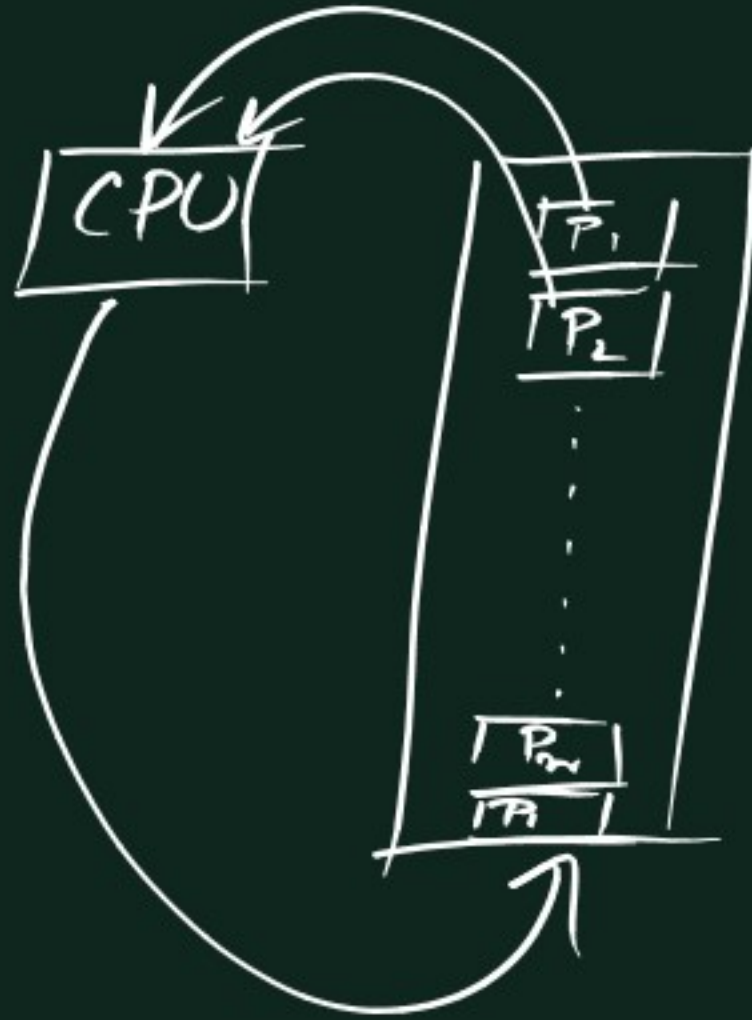
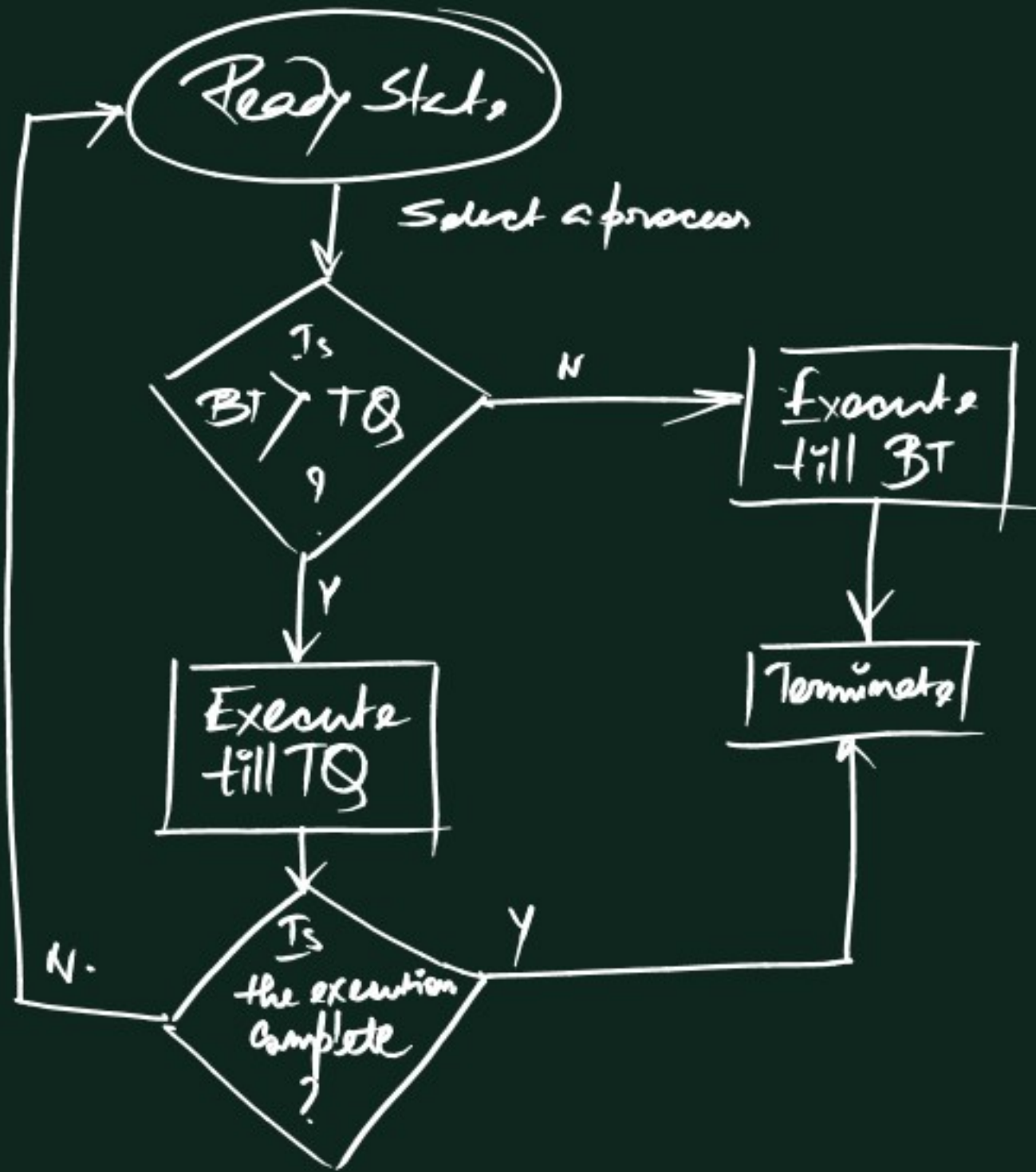


# Round Robin CPU Scheduling Algorithm

~~TBS~~



# Round-Robin Flowchart



BT  
5.3  
/ NO

TQ: 2



① PNo. AT BT

1	0	<del>1</del> <del>2</del> 0
2	1	<del>5</del> <del>3</del> 1 0
3	2	<del>2</del> 0
4	3	<del>1</del> 0
5	4	<del>6</del> <del>4</del> 2 0
6	6	<del>3</del> 0

①

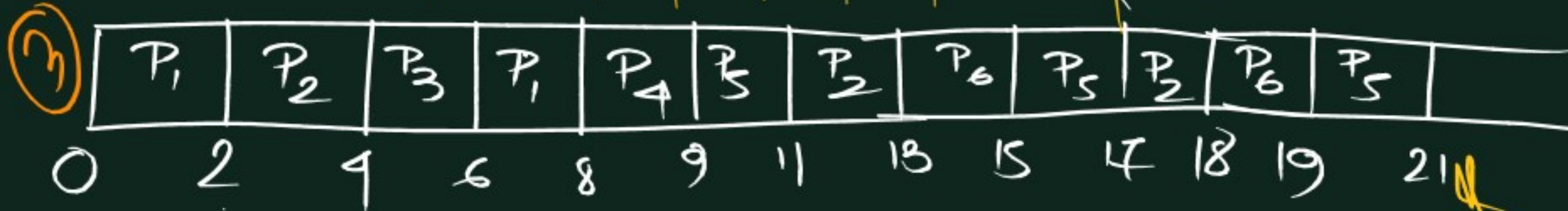
② things to maintain

- ① BT calculation
- ② Ready Queue
- ③ Grant chart

TQ: 2

TQ: 4

① Queue: ~~P<sub>1</sub>~~ ~~P<sub>2</sub>~~ ~~P<sub>3</sub>~~ ~~P<sub>4</sub>~~ ~~P<sub>5</sub>~~ ~~P<sub>2</sub>~~ ~~P<sub>6</sub>~~ ~~P<sub>5</sub>~~ ~~P<sub>2</sub>~~ ~~P<sub>6</sub>~~ ~~P<sub>5</sub>~~

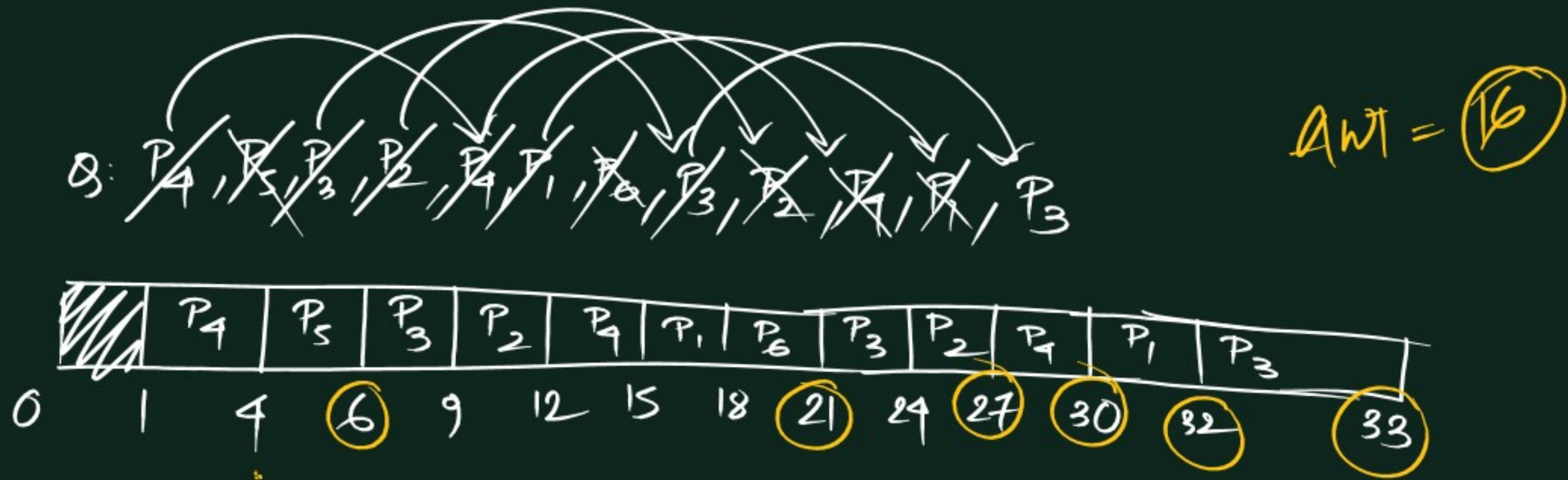




②

$P_{no}$	AT	BT	CT	$(P_T - AT)$ TAT	$(P_T - BT)$ WT	RT
1	5	<del>5</del> 20	32	27	22	15 - 5 = 10
2	4	<del>6</del> 30	27	23	17	9 - 4 = 5
3	3	<del>7</del> 40	33	30	23	6 - 3 = 3
4	1	<del>9</del> 60	30	29	20	1 - 1 = 0
5	2	<del>2</del> 0	6	4	2	4 - 2 = 2
6	6	<del>3</del> 0	21	15	12	18 - 6 = 12

18.3



Q: Consider 4 jobs  $P_1, P_2, P_3, P_4$  arriving in Ready Queue in the same order at time = 0. If BT requirements of these jobs are 4, 1, 8, 1, respectively, what is the completion time of  $P_1$ , assuming R-R with  $TQ = 1$ .

Ans: 2, 3, 4