SHORTEST REMAINING TIME FIRST (SRTF)

PROCESS	ARRIVAL TIME	EXEC$_1$	I/O$_1$	EXEC$_2$	I/O$_2$	EXEC$_3$
A	0 ✓	4 ✓	4 ✓	4 ✓	4 ✓	4 ✓
B	2 ✓	8 ✓	1 ✓	8	/	/
C	3 ✓	2 ✓	1 ✓	2 ✓	/	/
D	7 ✓	1 ✓	1 ✓	1 ✓	1 ✓	1 ✓

CPU: A A A A C C B D A C C D A D A A B B B B B B B A A A A B B B B

I/O: A A A A C D   D   A A A A   B
C D

31 32 33 34 35 36 37 38

CPU: B B B B → B

WAIT TIME$_A$ = 4 + 3 = 7

WAIT TIME$_B$ = 4 + 9 + 3 = 16

WAIT TIME$_C$ = 1
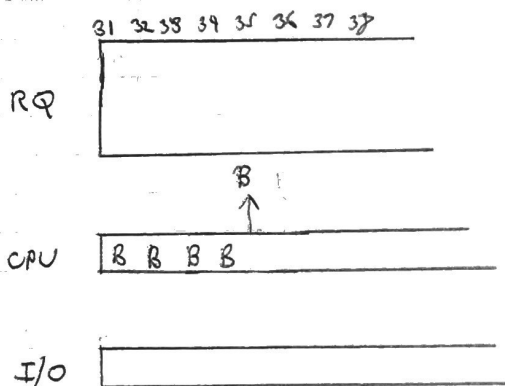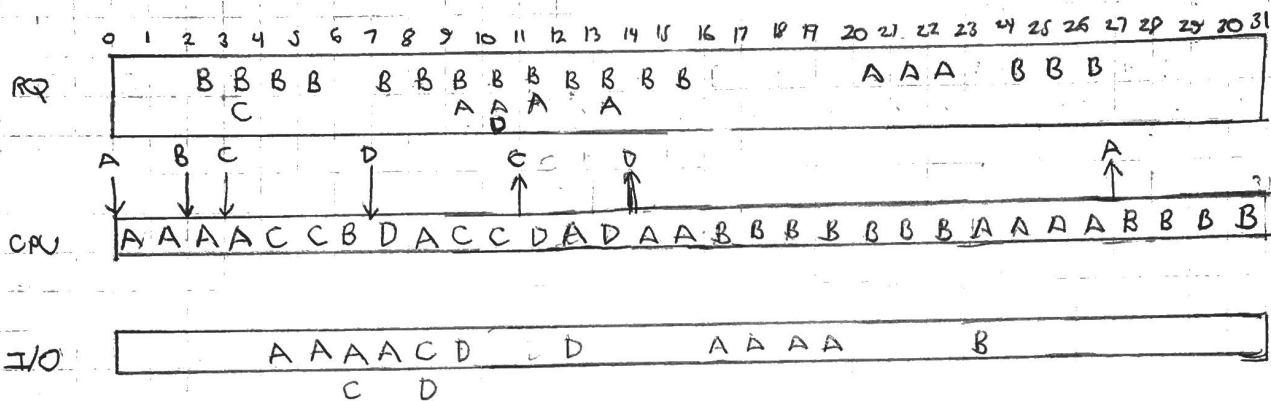
WAIT TIME$_D$ = 1

CPU UTILIZATION = $\frac{35}{35}$ = 100%

THROUGHPUT = $\frac{4}{35}$ = 0.11

WAIT TIME AVERAGE = $\frac{7+16+1+1}{4}$ = $\frac{25}{4}$ = 6.25

TAT$_A$ = 27 − 0 = 27

TAT$_B$ = 35 − 2 = 33

TAT$_C$ = 11 − 3 = 8

TAT$_D$ = 14 − 7 = 7

TAT$_{AVERAGE}$ = $\frac{27+33+8+7}{4}$ = $\frac{75}{4}$ = 18.75

RESPONSE TIME$_A$ = 0

RESPONSE TIME$_B$ = 4

RESPONSE TIME$_C$ = 1

RESPONSE TIME$_D$ = 0

RESPONSE TIME$_{AVERAGE}$ = $\frac{0+4+1+0}{4}$ = 1.25