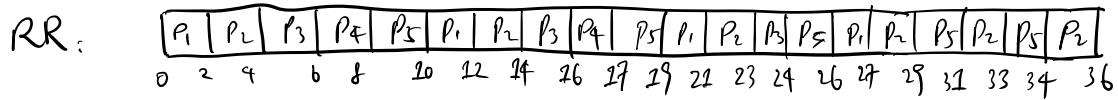
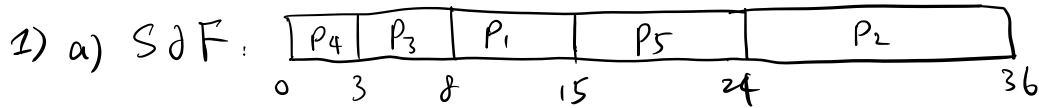


CS-67 6233 HW9

ml7236 Mturner Li



b) SJF:

P₁: 15

P₂: 36

P₃: 8

P₄: 3

P₅: 24

RR:

P₁: 27

P₂: 36

P₃: 24

P₄: 17

P₅: 34

c) SJF:

P₁: 8

P₂: 24

P₃: 3

P₄: 0

P₅: 15

RR:

P₁: 20

P₂: 24

P₃: 19

P₄: 14

P₅: 25

$$d) A_{SJF} = \frac{8+24+3+0+15}{5} = 10$$

$$A_{RR} = \frac{20+24+19+14+25}{5} = 20.4$$

SJF results in minimum average waiting time.

2) 2022, 1125, 750, 2342, 870, 3100, 4088, 1733, 4760, 3380

a) 1888 \rightarrow 2022 \rightarrow 2342 \rightarrow 3100 \rightarrow 3380 \rightarrow 4088
 \rightarrow 4760 \rightarrow 5000 \rightarrow 750 \rightarrow 870 \rightarrow 1125 \rightarrow 1733

Total number of distance = $(5000 - 1888) + (1733 - 0) = \underline{4834}$

b) 1888 \rightarrow 2022 \rightarrow 2342 \rightarrow 3100 \rightarrow 3380 \rightarrow 4088 \rightarrow
4760 \rightarrow 750 \rightarrow 870 \rightarrow 1125 \rightarrow 1733

Total number of distance = $(4760 - 1888) + (1733 - 750) = \underline{3844}$