

2) FCFS Wait time (W_i) Completion time (C_i)

| A | B | C | D | E | F | G |
|---|----|----|----|----|----|----|
| 1 | 3 | 7 | 13 | 21 | 28 | 30 |
| 4 | 14 | 11 | 1 | 6 | 23 | 24 |
| 0 | 0 | 0 | 15 | 20 | 28 | 30 |

$$W_A = 0$$

$$W_B = 13 - 9 = 4$$

$$W_C = 15 - 2 = 13$$

$$W_D = 20 - 5 = 15$$

$$W_E = 23 - 3 = 20$$

$$W_F = 24 - 1 = 23$$

$$W_G = 28 - 4 = 24$$

$$W_{avg} = \frac{0+4+13+15+20+23+24}{7} = 14.857$$

$$C_A = 4$$

$$C_B = 13 - 3 = 10$$

$$C_C = 15 - 5 = 10$$

$$C_D = 20 - 7 = 13$$

$$C_E = 23 - 11 = 12$$

$$C_F = 24 - 13 = 11$$

$$C_G = 28 - 21 = 7$$

$$C_{avg} = \frac{4+10+10+13+12+11+7}{7} = 10.2857$$

✓ = finished / terminated

✓ Shortest Remaining Time First (SRTF) A(4) B(9) C(2) D(5) E(3) F(1) G(4)

| A | B | C | D | E | F | G |
|---|----|----|----|----|----|----|
| 1 | 3 | 7 | 13 | 21 | 28 | 30 |
| 4 | 14 | 11 | 1 | 6 | 23 | 24 |
| 0 | 0 | 0 | 15 | 20 | 28 | 30 |

$$W_{avg} = \frac{0+4+13+15+20+23+24}{7} = 14.857$$

$$C_A = 4 - 0 = 4$$

$$C_B = 24 - 3 = 21$$

$$C_C = 7 - 5 = 2$$

$$C_D = 12 - 7 = 5$$

$$C_E = 16 - 11 = 5$$

$$C_F = 14 - 13 = 1$$

$$C_G = 28 - 21 = 7$$

$$C_{avg} = \frac{4+21+2+5+5+1+7}{7} = 8.5714$$

b) is of Next Page