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Response Time Activity 3220

FIFO:

- First Set:
    - $(1 + (1+4) + (1+4+2) + (1+4+2+7) + (1+4+2+7+30)) / 5 =$
    - $(1 + 5 + 7 + 14 + 44) / 5 = 14.2$ seconds average
- Seconds Set
    - $(30 + (30+4) + (30+4+2) + (30+4+2+7) + (30+4+2+7+1)) / 5 =$
    - $(30 + 34 + 36 + 43 + 44) / 5 = 37.2$ average response time
- The first case had optimal FIFO average response time


SJF:

- First Set:
    - $(1 + (1+2) + (1+2+4) + (1+2+4+7) + (1+2+4+7+30)) / 5 =$
    - $(1 + 3 + 7 + 14 + 44) / 5 = 13.8$ average response time
- Second Set:
    - $(1 + (1+2) + (1+2+4) + (1+2+4+7) + (1+2+4+7+30)) / 5 =$
    - $(1 + 3 + 7 + 14 + 44) / 5 = 13.8$ average response time

The SJF had the same average response times for each case. SJF was optimal as compared to both FIFO average response times for each case.