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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.