id = 1 priority = 4 duration = 25 arrival time = 10   
 id = 2 priority = 3 duration = 15 arrival time = 17   
 id = 3 priority = 1 duration = 17 arrival time = 26   
 id = 4 priority = 9 duration = 17 arrival time = 30   
 id = 5 priority = 10 duration = 9 arrival time = 40   
 id = 6 priority = 6 duration = 14 arrival time = 47   
 id = 7 priority = 7 duration = 18 arrival time = 52   
 id = 8 priority = 5 duration = 18 arrival time = 70   
 id = 9 priority = 2 duration = 16 arrival time = 93   
 id = 10 priority = 8 duration = 20 arrival time = 125   
  
Maximum wait time = 30  
  
Process removed from queue is: id = 1, at time 10, wait time = 0, Total wait time = 0.0  
Process id = 1  
 Priority = 4  
 Arrival = 10  
 Duration = 25  
Process 1 finished at time 35  
  
Update Priority:  
  
Process removed from queue is: id = 3, at time 35, wait time = 9, Total wait time = 9.0  
Process id = 3  
 Priority = 1  
 Arrival = 26  
 Duration = 17  
Process 3 finished at time 52  
  
Update Priority:  
PID = 2, Wait time = 35, Current Priority = 3  
PID = 2, New Priority = 2  
  
Process removed from queue is: id = 2, at time 52, wait time = 35, Total wait time = 44.0  
Process id = 2  
 Priority = 2  
 Arrival = 17  
 Duration = 15  
Process 2 finished at time 67  
  
Update Priority:  
PID = 4, Wait time = 37, Current Priority = 9  
PID = 4, New Priority = 8  
  
Process removed from queue is: id = 6, at time 67, wait time = 20, Total wait time = 64.0  
Process id = 6  
 Priority = 6  
 Arrival = 47  
 Duration = 14  
Process 6 finished at time 81  
  
Update Priority:  
PID = 4, Wait time = 51, Current Priority = 8  
PID = 4, New Priority = 7  
PID = 5, Wait time = 41, Current Priority = 10  
PID = 5, New Priority = 9  
  
Process removed from queue is: id = 8, at time 81, wait time = 11, Total wait time = 75.0  
Process id = 8  
 Priority = 5  
 Arrival = 70  
 Duration = 18  
Process 8 finished at time 99  
  
Update Priority:  
PID = 4, Wait time = 69, Current Priority = 7  
PID = 4, New Priority = 6  
PID = 7, Wait time = 47, Current Priority = 7  
PID = 7, New Priority = 6  
PID = 5, Wait time = 59, Current Priority = 9  
PID = 5, New Priority = 8  
  
Process removed from queue is: id = 9, at time 99, wait time = 6, Total wait time = 81.0  
Process id = 9  
 Priority = 2  
 Arrival = 93  
 Duration = 16  
Process 9 finished at time 115  
  
Update Priority:  
PID = 7, Wait time = 63, Current Priority = 6  
PID = 7, New Priority = 5  
PID = 4, Wait time = 85, Current Priority = 6  
PID = 4, New Priority = 5  
PID = 5, Wait time = 75, Current Priority = 8  
PID = 5, New Priority = 7  
  
Process removed from queue is: id = 7, at time 115, wait time = 63, Total wait time = 144.0  
Process id = 7  
 Priority = 5  
 Arrival = 52  
 Duration = 18  
  
D becomes empty at time 125  
Process 7 finished at time 133  
  
Update Priority:  
PID = 4, Wait time = 103, Current Priority = 5  
PID = 4, New Priority = 4  
PID = 5, Wait time = 93, Current Priority = 7  
PID = 5, New Priority = 6  
  
Process removed from queue is: id = 4, at time 133, wait time = 103, Total wait time = 247.0  
Process id = 4  
 Priority = 4  
 Arrival = 30  
 Duration = 17  
Process 4 finished at time 150  
  
Update Priority:  
PID = 5, Wait time = 110, Current Priority = 6  
PID = 5, New Priority = 5  
  
Process removed from queue is: id = 5, at time 150, wait time = 110, Total wait time = 357.0  
Process id = 5  
 Priority = 5  
 Arrival = 40  
 Duration = 9  
Process 5 finished at time 159  
  
Update Priority:  
PID = 10, Wait time = 34, Current Priority = 8  
PID = 10, New Priority = 7  
  
Process removed from queue is: id = 10, at time 159, wait time = 34, Total wait time = 391.0  
Process id = 10  
 Priority = 7  
 Arrival = 125  
 Duration = 20  
Process 10 finished at time179  
  
Total wait time = 391.0  
Average wait time = 39.1