Id = 1, priority = 7, duration = 8, arrival time = 9

Id = 2, priority = 1, duration = 6, arrival time = 13

Id = 3, priority = 9, duration = 19, arrival time = 20

Id = 4, priority = 2, duration = 10, arrival time = 25

Id = 5, priority = 4, duration = 19, arrival time = 34

Id = 6, priority = 10, duration = 11, arrival time = 43

Id = 7, priority = 4, duration = 12, arrival time = 45

Id = 8, priority = 1, duration = 18, arrival time = 54

Id = 9, priority = 3, duration = 11, arrival time = 63

Id = 10, priority = 3, duration = 7, arrival time = 73

Process removed from queue is: id = 1, at time 9, wait time = 0 Total wait time = 0.0

Process id = 1

Priority = 7

Arrival = 9

Duration = 8

Process 1 finished at time 17

Process removed from queue is: id = 2, at time 17, wait time = 4 Total wait time = 4.0

Process id = 2

Priority = 1

Arrival = 13

Duration = 6

Process 2 finished at time 23

Process removed from queue is: id = 3, at time 23, wait time = 3 Total wait time = 7.0

Process id = 3

Priority = 9

Arrival = 20

Duration = 19

Process 3 finished at time 42

Prioirty of process 4 decremented, New priority is 1

Process removed from queue is: id = 4, at time 42, wait time = 17 Total wait time = 24.0

Process id = 4

Priority = 1

Arrival = 25

Duration = 10

Process 4 finished at time 52

Prioirty of process 5 decremented, New priority is 3

Process removed from queue is: id = 5, at time 52, wait time = 18 Total wait time = 42.0

Process id = 5

Priority = 3

Arrival = 34

Duration = 19

Process 5 finished at time 71

Prioirty of process 7 decremented, New priority is 3

Prioirty of process 6 decremented, New priority is 9

Process removed from queue is: id = 8, at time 71, wait time = 17 Total wait time = 59.0

Process id = 8

Priority = 1

Arrival = 54

Duration = 18

Process 8 finished at time 89

Prioirty of process 9 decremented, New priority is 2

Prioirty of process 10 decremented, New priority is 2

Prioirty of process 7 decremented, New priority is 2

Prioirty of process 6 decremented, New priority is 8

D is empty

Process removed from queue is: id = 9, at time 89, wait time = 26 Total wait time = 85.0

Process id = 9

Priority = 2

Arrival = 63

Duration = 11

Process 9 finished at time 100

Prioirty of process 10 decremented, New priority is 1

Prioirty of process 6 decremented, New priority is 7

Prioirty of process 7 decremented, New priority is 1

Process removed from queue is: id = 10, at time 100, wait time = 27 Total wait time = 112.0

Process id = 10

Priority = 1

Arrival = 73

Duration = 7

Process 10 finished at time 107

Prioirty of process 6 decremented, New priority is 6

Process removed from queue is: id = 7, at time 107, wait time = 62 Total wait time = 174.0

Process id = 7

Priority = 1

Arrival = 45

Duration = 12

Process 7 finished at time 119

Prioirty of process 6 decremented, New priority is 5

Process removed from queue is: id = 6, at time 119, wait time = 76 Total wait time = 250.0

Process id = 6

Priority = 5

Arrival = 43

Duration = 11

Process 6 finished at time 130

Total wait time = 250.0

Average wait time = 25.0