Id = 1, priority = 9, duration = 19, arrival time = 2

Id = 2, priority = 9, duration = 6, arrival time = 8

Id = 3, priority = 9, duration = 9, arrival time = 13

Id = 4, priority = 6, duration = 15, arrival time = 21

Id = 5, priority = 7, duration = 19, arrival time = 25

Id = 6, priority = 7, duration = 12, arrival time = 32

Id = 7, priority = 2, duration = 11, arrival time = 42

Id = 8, priority = 5, duration = 20, arrival time = 49

Id = 9, priority = 1, duration = 9, arrival time = 59

Id = 10, priority = 7, duration = 10, arrival time = 69

Process removed from queue is: id = 1, at time 2, wait time = 0 Total wait time = 0.0

Process id = 1

Priority = 9

Arrival = 2

Duration = 19

Process 1 finished at time 21

Prioirty of process 2 decremented, New priority is 8

Process removed from queue is: id = 4, at time 21, wait time = 0 Total wait time = 0.0

Process id = 4

Priority = 6

Arrival = 21

Duration = 15

Process 4 finished at time 36

Prioirty of process 5 decremented, New priority is 6

Prioirty of process 2 decremented, New priority is 7

Prioirty of process 3 decremented, New priority is 8

Process removed from queue is: id = 5, at time 36, wait time = 11 Total wait time = 11.0

Process id = 5

Priority = 6

Arrival = 25

Duration = 19

Process 5 finished at time 55

Prioirty of process 7 decremented, New priority is 1

Prioirty of process 2 decremented, New priority is 6

Prioirty of process 3 decremented, New priority is 7

Prioirty of process 6 decremented, New priority is 6

Process removed from queue is: id = 7, at time 55, wait time = 13 Total wait time = 24.0

Process id = 7

Priority = 1

Arrival = 42

Duration = 11

Process 7 finished at time 66

Prioirty of process 8 decremented, New priority is 4

Prioirty of process 2 decremented, New priority is 5

Prioirty of process 3 decremented, New priority is 6

Prioirty of process 6 decremented, New priority is 5

Process removed from queue is: id = 9, at time 66, wait time = 7 Total wait time = 31.0

Process id = 9

Priority = 1

Arrival = 59

Duration = 9

Process 9 finished at time 75

Prioirty of process 8 decremented, New priority is 3

Prioirty of process 6 decremented, New priority is 4

Prioirty of process 2 decremented, New priority is 4

Prioirty of process 3 decremented, New priority is 5

D is empty

Process removed from queue is: id = 8, at time 75, wait time = 26 Total wait time = 57.0

Process id = 8

Priority = 3

Arrival = 49

Duration = 20

Process 8 finished at time 95

Prioirty of process 6 decremented, New priority is 3

Prioirty of process 3 decremented, New priority is 4

Prioirty of process 2 decremented, New priority is 3

Prioirty of process 10 decremented, New priority is 6

Process removed from queue is: id = 6, at time 95, wait time = 63 Total wait time = 120.0

Process id = 6

Priority = 3

Arrival = 32

Duration = 12

Process 6 finished at time 107

Prioirty of process 2 decremented, New priority is 2

Prioirty of process 3 decremented, New priority is 3

Prioirty of process 10 decremented, New priority is 5

Process removed from queue is: id = 2, at time 107, wait time = 99 Total wait time = 219.0

Process id = 2

Priority = 2

Arrival = 8

Duration = 6

Process 2 finished at time 113

Prioirty of process 3 decremented, New priority is 2

Prioirty of process 10 decremented, New priority is 4

Process removed from queue is: id = 3, at time 113, wait time = 100 Total wait time = 319.0

Process id = 3

Priority = 2

Arrival = 13

Duration = 9

Process 3 finished at time 122

Prioirty of process 10 decremented, New priority is 3

Process removed from queue is: id = 10, at time 122, wait time = 53 Total wait time = 372.0

Process id = 10

Priority = 3

Arrival = 69

Duration = 10

Process 10 finished at time 132

Total wait time = 372.0

Average wait time = 37.2