Some sample inputs and outputs for the second assessed lab:

Sample 1:

input:

P1 100 1 5 3 6

P2 80 2 4

P3 90 3 5

P4 120 1 7 2 5 3 2

P5 60 4 5

P6 75 2 3 4 2

P7 95 1 8

P8 85 2 2 3 4

P9 50 5 6

P10 110 1 6 2 5 3 7 4 8

output:

P9 completed at time 494

P5 completed at time 549

P2 completed at time 685

P6 completed at time 715

P3 completed at time 760

P7 completed at time 777

P8 completed at time 786

P1 completed at time 805

P10 completed at time 859

P4 completed at time 865

Sample 2:

input:

Process1 75 2 4 3 6

Process2 100 1 2 4 7

Process3 60

Process4 90 1 5

output:

Process3 completed at time 204

Process1 completed at time 279

Process4 completed at time 314

Process2 completed at time 325

Sample 3:

input:

ProcessA 120 2 6 3 2

ProcessB 80 3 4

ProcessC 100 1 5

ProcessD 60 2 4

ProcessE 90 1 8 3 7

output:

ProcessD completed at time 302

ProcessB completed at time 368

ProcessE completed at time 413

ProcessC completed at time 428

ProcessA completed at time 450

Sample 4:

input:

Job1 60 1 5

Job2 75 2 4

Job3 85 1 7 3 6

Job4 40 2 2

Job5 55 1 9

Job6 65 3 3 4 2

output:

Job4 completed at time 236

Job5 completed at time 292

Job1 completed at time 307

Job6 completed at time 367

Job2 completed at time 368

Job3 completed at time 380

Sample 5:

input:

Task1 90 1 4 2 7 3 2 5 8

Task2 120 2 3 4 6 6 1

Task3 50 6 7

Task4 70 1 9 2 1

Task5 110 3 2 4 5

Task6 100 2 8 3 2 6 4
Task7 80 4 5

output:
Task3 completed at time 242
Task4 completed at time 417
Task7 completed at time 492
Task1 completed at time 541
Task6 completed at time 597
Task5 completed at time 610
Task2 completed at time 620

Sample 6:
input:
Batch1 90 3 7 4 2 5 1
Batch2 100 3 1 4 3 6 9 7 4 9 2
Batch3 50
Batch4 70 1 6
Batch5 60 2 4 3 5
Batch6 95 1 3 2 2
Batch7 110
Batch8 80 1 9 2 1

output:
Batch3 completed at time 274
Batch4 completed at time 481
Batch5 completed at time 482
Batch8 completed at time 554
Batch1 completed at time 604
Batch6 completed at time 624
Batch7 completed at time 634
Batch2 completed at time 655
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input:
A1 90 3 7 4 2 5 1
Process2 100 3 1 4 3 6 9 7 4 9 2

output:
A1 completed at time 159
Process2 completed at time 190

Sample 8:
input:
A1 90 3 7 4 2 5 1
Process2 100 3 1 4 3 6 9 7 4 9 2
Task3 50
Job4 70 1 6
Batch5 60 2 4 3 5
Operation6 95 1 3 2 2
Program7 110
Op8 80 1 9 2 1

output:
Task3 completed at time 274
Job4 completed at time 481
Batch5 completed at time 482
Op8 completed at time 554
A1 completed at time 604
Operation6 completed at time 624
Program7 completed at time 634
Process2 completed at time 655

Sample 9:
input:
Job1 60 1 3
A2 140 2 5 4 6
Process3 45
P4 200 1 8 3 6 5 2
Task5 30 1 2
T6 90 2 4 3 3
Operation7 75 4 5

Op8 120 1 6 2 5
Program9 50 1 4
Batch10 85 3 3 5 2
B11 55
Input12 160 2 7 4 5 6 3
X13 35 1 2
X14 100 2 6
X15 70 1 5 2 3

output:
Task5 completed at time 406
Process3 completed at time 521
X13 completed at time 588
Program9 completed at time 674
B11 completed at time 689
Job1 completed at time 719
Operation7 completed at time 849
X15 completed at time 971
Batch10 completed at time 1021
T6 completed at time 1064
X14 completed at time 1088
Op8 completed at time 1157
A2 completed at time 1206
Input12 completed at time 1281
P4 completed at time 1315

Sample 10:
input:
A 10
B 20
C 15
D 40
E 60

output:
A completed at time 10
B completed at time 60
C completed at time 65
D completed at time 115
E completed at time 145