

NOTE: My machine outputs are not the lists, but rather the resulting total time of each machine. I commented out code that shows the process of each process being put into a machine if you would like to see that as well.

CASE 1:

lin116-07:168% ./LPT

Enter number of job(s):

7

Enter number of machine(s):

3

Enter Processing Time(s):

14

7

10

6

2

3

5

Height Biased Leftist Tree:

Finish Time = 16

total time: 5.1e-05

Machine 1= 16

Machine 2= 15

Machine 3= 16

min heap:

Finish Time = 15

total time: 2.3e-05

Machine 1= 16

Machine 2= 15

Machine 3= 16

CASE 2:

lin116-07:170% ./LPT

Enter number of job(s):

12

Enter number of machine(s):

4

Enter Processing Time(s):

13

6

4

2

8

4
15
17
21
4
6
2

Height Biased Leftist Tree:

Finish Time = 27

total time: 6.4e-05

Machine 1= 27

Machine 2= 25

Machine 3= 25

Machine 4= 25

min heap:

Finish Time = 25

total time: 3.6e-05

Machine 1= 27

Machine 2= 25

Machine 3= 25

Machine 4= 25

CASE 3:

lin116-07:174% ./LPT

Enter number of job(s):

10

Enter number of machine(s):

4

Enter Processing Time(s):

4

6

15

17

23

2

10

12

5

19

The size of your tree is 10

Height Biased Leftist Tree:

Finish Time = 29

total time: 5.3e-05

Machine 1= 28
Machine 2= 29
Machine 3= 29
Machine 4= 27

min heap:
Finish Time = 29
total time: 3e-05
Machine 1= 28
Machine 2= 29
Machine 3= 29
Machine 4= 27