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 Discussion section # : 1087

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HW03 COP3530 Documentation

Test Case & results - 1 - LPT (User Input is bolded below and output is in red)

```
Enter number of job(s):
7
Enter number of machine(s)
3
Enter Processing Time(s)
14
7
10
6
2
3
5
```

Min Heap Finishing Time: 16
Schedule:
Machine 1: 14, 2
Machine 2: 10, 5
Machine 3: 7, 6, 3
Time Elapsed: 0.05 ms

Height Biased Leftist Tree Finishing Time: 16
Schedule:
Machine 1: 14, 2
Machine 2: 10, 5
Machine 3: 7, 6, 3
Time Elapsed: 0.049 ms

Test Case & results - 2 - LPT **(User Input is bolded below and output is in red)**

Enter number of job(s):
5
Enter number of machine(s)
3
Enter Processing Time(s)
10
4
6
3
2

Min Heap Finishing Time: 10
Schedule:
Machine 1: 10
Machine 2: 6, 2
Machine 3: 4, 3
Time Elapsed: 0.047 ms

Height Biased Leftist Tree Finishing Time: 10
Schedule:
Machine 1: 10
Machine 2: 6, 2
Machine 3: 4, 3
Time Elapsed: 0.041 ms

Test Case & results - 3 - LPT **(User Input is bolded below and output is in red)**

Enter number of job(s):
15
Enter number of machine(s)
5
Enter Processing Time(s)
2
4
7
8
2
1
9
10
34
2
4
6
7
8
9

```
Min Heap Finishing Time: 34
Schedule:
Machine 1: 34
Machine 2: 10, 6, 4
Machine 3: 9, 7, 4
Machine 4: 9, 7, 2, 2
Machine 5: 8, 8, 2, 1
Time Elapsed: 0.074 ms

Height Biased Leftist Tree Finishing Time: 34
Schedule:
Machine 1: 34
Machine 2: 10, 6, 4
Machine 3: 9, 7, 4
Machine 4: 9, 7, 2, 2
Machine 5: 8, 8, 2, 1
Time Elapsed: 0.092 ms
```

No Special Diagnostics were utilized — Utilized Xcode for writing my code and terminal for testing my program