OMGT4743 Homework #2 – Materials Requirements Planning
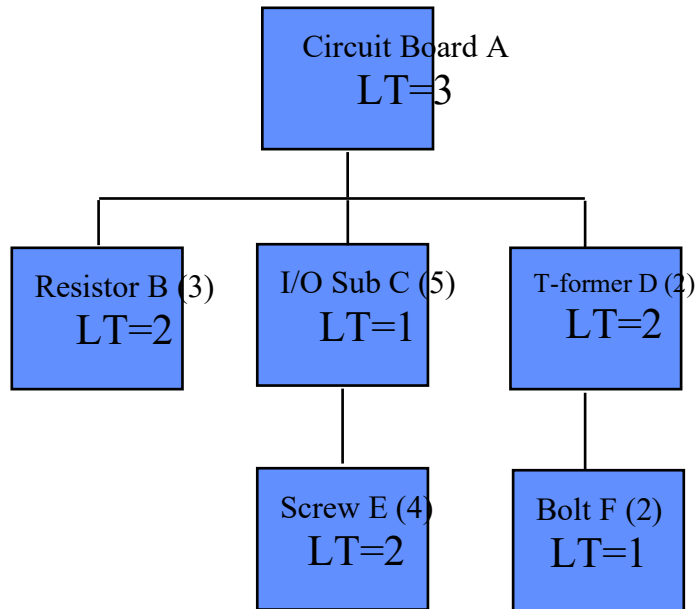
Product Tree Structure

Item	On Hand	Scheduled Receipts	Lot Size	MPS
Circuit Board A	11	0	1	100 period 6, 320 period 7, 270, period 8
Resistor B	51	0	10	- - -
I/O Sub C	14	0	17	- - -
T-former D	20	0	40	- - -
Screw E	125	0	25	- - -
Bolt F	100	0	100	- - -

Judy needs to know how much of each component to order and when to order them. Help her set up an MRP schedule. This deliverable should include a short narrative describing how the MRP was set up and what the outcome is (speak specifically to items that are past due and all item order dates and amounts).

Item: Circuit Board A **LLC:** 0

Lot size: 1 **LT:** 3

	PD	1	2	3	4	5	6	7	8
Gross requirements							100	320	270
Scheduled receipts									
Projected on hand									
Net requirements									
Planned order receipts									
Planned order releases									

Item: Resistor B **LLC:** 1

Lot size: 10 **LT:** 2

	PD	1	2	3	4	5	6	7	8
Gross requirements									
Scheduled receipts									
Projected on hand									
Net requirements									
Planned order receipts									
Planned order releases									

Item: I/O Sub C **LLC:** 1

Lot size: 17 **LT:** 1

	PD	1	2	3	4	5	6	7	8
Gross requirements									
Scheduled receipts									
Projected on hand									
Net requirements									
Planned order receipts									
Planned order releases									

Item: T-Former D   LLC: 1

Lot size: 40 LT: 2	PD	1	2	3	4	5	6	7	8
Gross requirements									
Scheduled receipts									
Projected on hand									
Net requirements									
Planned order receipts									
Planned order releases									

Item: Screw E   LLC: 2

Lot size: 25 LT: 2	PD	1	2	3	4	5	6	7	8
Gross requirements									
Scheduled receipts									
Projected on hand									
Net requirements									
Planned order receipts									
Planned order releases									

Item: Bolt F   LLC: 2

Lot size: 100 LT: 1	PD	1	2	3	4	5	6	7	8
Gross requirements									
Scheduled receipts									
Projected on hand									
Net requirements									
Planned order receipts									
Planned order releases									