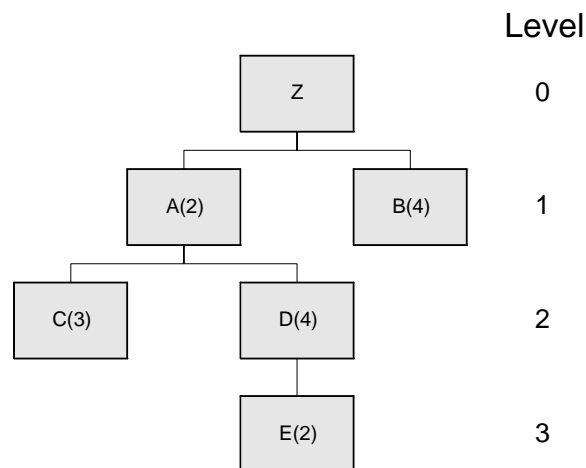


Ch 4 Homework Solutions: MRP

Problem 4-1

Period		1	2	3	4	5	6	7	8	9	10
Item Box LT= 1 week Q= L4L	Gross requirements		75		50	70					
	Scheduled receipts										
	On hand from prior period	40	40	0	0	0					
	Net requirements		35		50	70					
	Planned order receipts		35		50	70					
	Planned order releases	35		50	70						

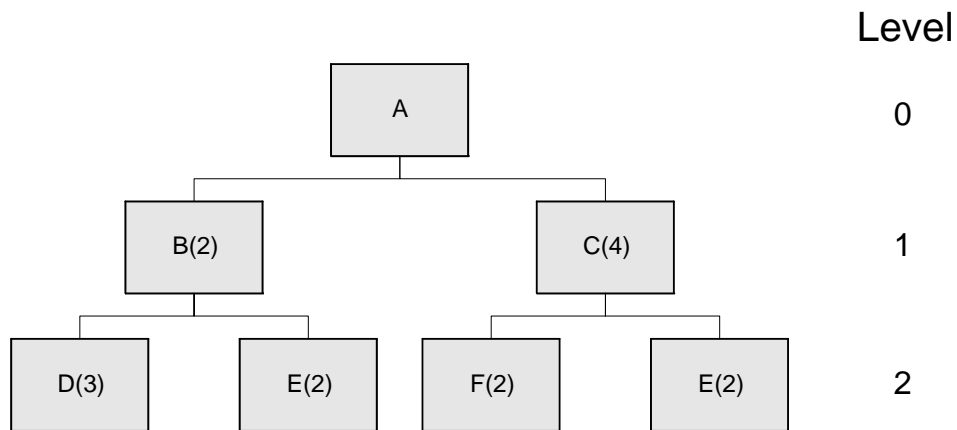
Problem 4-2



Period		1	2	3	4	5	6	7	8	9	10
Item Z LT= 2 Q= L4L	Gross requirements										50
	Scheduled receipts										
	On hand from prior period										
	Net requirements										50
	Planned order receipts										50
	Planned order releases								50		
Item A LT= 1 Q= L4L	Gross requirements								100		
	Scheduled receipts										
	On hand from prior period										
	Net requirements								100		
	Planned order receipts								100		
	Planned order releases							100			

Item B LT= 1 Q= L4L	Gross requirements								200		
	Scheduled receipts										
	On hand from prior period										
	Net requirements								200		
	Planned order receipts								200		
	Planned order releases							200			
Item C LT= 1 Q= L4L	Gross requirements							300			
	Scheduled receipts										
	On hand from prior period										
	Net requirements							300			
	Planned order receipts							300			
	Planned order releases						300				
Item D LT= 1 Q= L4L	Gross requirements							400			
	Scheduled receipts										
	On hand from prior period										
	Net requirements							400			
	Planned order receipts							400			
	Planned order releases						400				
Item E LT= 3 Q= L4L	Gross requirements						800				
	Scheduled receipts										
	On hand from prior period										
	Net requirements						800				
	Planned order receipts						800				
	Planned order releases			800							

Problem 4-3



Period		1	2	3	4	5	6	7	8	9	10
Item Z+ LT= 1 Q= L4L	Gross requirements										100
	Scheduled receipts										
	On hand from prior period										0
	Net requirements										100
	Planned order receipts										100
	Planned order releases									100	
Item B LT= 2 Q= L4L	Gross requirements									200	
	Scheduled receipts										
	On hand from prior period									0	
	Net requirements									200	
	Planned order receipts									200	
	Planned order releases							200			
Item C LT= 2 Q= L4L	Gross requirements									400	
	Scheduled receipts										
	On hand from prior period									0	
	Net requirements									400	
	Planned order receipts									400	
	Planned order releases							400			
Item D LT= 3 Q= L4L	Gross requirements							600			
	Scheduled receipts										
	On hand from prior period							0			
	Net requirements							600			
	Planned order receipts							600			
	Planned order releases				600						

Item E LT= 2 Q= L4L	Gross requirements							120 0			
	Scheduled receipts										
	On hand from prior period							0			
	Net requirements							120 0			
	Planned order receipts							120 0			
	Planned order releases					120 0					
Item F LT= 3 Q= L4L	Gross requirements							800			
	Scheduled receipts										
	On hand from prior period							0			
	Net requirements							800			
	Planned order receipts							800			
	Planned order releases				800						

Problem 4-4

Period		1	2	3	4	5	6	7	8
Standard Model					300				400
Sports Model						200			100
Item Radar/ CD LT= 2 Q= L4L	Gross requirements				300	200			500
	Scheduled receipts								
	On hand from prior period	50	50	50	50	0	0	0	0
	Net requirements				250	200			500
	Planned order receipts				250	200			500
	Planned order releases		250	200			500		
Item Std. trim LT= 2 Q= L4L	Gross requirements				300				400
	Scheduled receipts								
	On hand from prior period								
	Net requirements				300				400
	Planned order receipts				300				400
	Planned order releases						400		
Item Std. Hard- ware LT= 3 Q= L4L	Gross requirements				300				400
	Scheduled receipts								
	On hand from prior period								
	Net requirements				300				400
	Planned order receipts				300				400
	Planned order releases	300				400			

Item Sports trim LT= 2 Q= L4L	Gross requirements					200			100
	Scheduled receipts								
	On hand from prior period								
	Net requirements					200			100
	Planned order receipts					200			100
	Planned order releases			200			100		
Item Sports Hard- Ware LT= 3 Q= L4L	Gross requirements					200			100
	Scheduled receipts								
	On hand from prior period								
	Net requirements					200			100
	Planned order receipts					200			100
	Planned order releases		200			100			