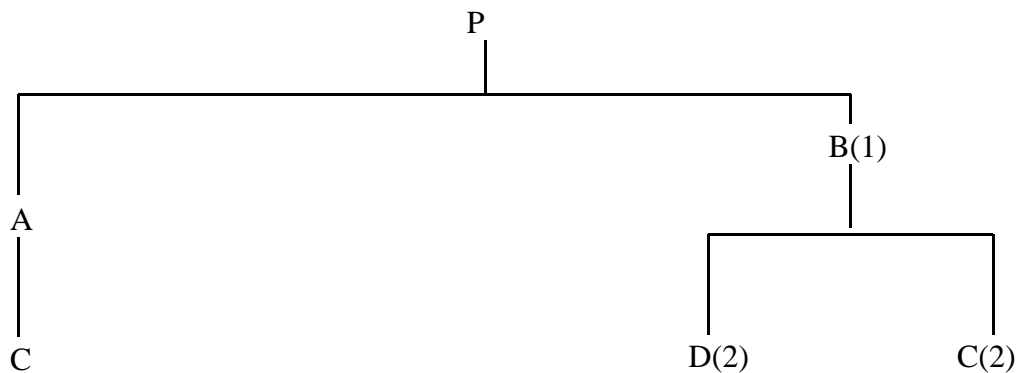


8. The following information can be used to develop a material requirement plan (MRP) that will enable the assembly of 400 units of product P in week 7 as shown in the production schedule below.

Item	Currently on-hand	Scheduled receipts	Lead time	Order quantity
P	-	-	1	-
A	100	0	1	Lot-for-lot (L4L)
B	0	0	1	Multiple of 450 units
C	90	100 (week 2)	2	Multiple of 600 units
D	50	80 (week 2)	2	Lot-for-lot (L4L)



Item A	Week							
	1	2	3	4	5	6	7	8
Gross Requirements								
Scheduled Receipts								
Projected on-hand								
Net requirements								
Planned order receipts								
Planned order releases								

What is the amount for the planned order releases of D in Week 3? Please show the working.
(5 marks)