**Homework 3 (Due April 1st)**

* 10-2. Bob Carlton’s golf camp: 25 points
  + Round up the workforce numbers for your calculation
  + a. 10 points
  + b. 10 points
  + c. 5 points

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* 11-5 : Tabard Industries (25 points) p490
  + a. 25 points

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* 11-15: Refer to Figure 11.23 (25 points)
* Question 4 (25 points) . The BOMs for products A and B are shown in the following figure 1.



Figure . BOMs for Product A and Product B

Data from inventory records are shown in Table 1. The MPS calls for 85 units of product A to be started in week 3 and 100 units in week 6. The MPS for product B calls for 180 units to be started in week 5. Develop the material requirements plan for the next 6 weeks for items C, D, E, and F.

Table . Inventory Record Data

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Data Category** | **Item** | | | |
|  | **C** | **D** | **E** | **F** |
| Lot-size rule | 220 | 150 | 400 | 430 |
| Lead time | 3 weeks | 2 weeks | 3 weeks | 1 weeks |
| Scheduled receipts | 280 (week 1) | None | 300 (week 3) | None |
| On-hand inventory | 25 | 0 | 150 | 600 |

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