**Problem D**

Generate the Master Production Schedule for this product at your facility.  
You have 20 items in your beginning inventory.  
The Lot Size is to be in multiples of 75.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **October** | | | | **November** | | | |
| Week | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Forecast | 30 | 35 | 38 | 41 | 40 | 40 | 40 | 20 |
| Customer orders (committed) | 39 | 25 | 16 | 11 | 100 | 23 |  |  |
|  |  |  |  |  |  |  |  |  |
| Projected On-Hand | 20 | 25 | 28 | 31 | 30 | 30 | 30 | 15 |
| MPS | 1,500 | 1,875 | 2,100 | 2,325 | 2,250 | 2,250 | 2,250 | 1,125 |
| ATP | 1,461 | 1,850 | 2,084 | 2,324 | 2,150 | 2,227 | 2,2250 | 1,125 |