**(Report No 2)**

**MANUAL MATERIAL REQUIREMENTS PLANNING (MRP)**

1. Excerpt from the inventory file

You accept 2 pieces of one component from the first level (directly enters both products and is produced) for one component. For all others, there is zero stock

|  |  |  |  |
| --- | --- | --- | --- |
| Index | Type | Lowest level of expansion | On hand |
|  | P | 1 | 2 |

Permanent extortion (First product of 2 pieces period 20 and 3 pieces period of 22, second final product of 4 pieces period 20)

2. The following orders have been entered into the system

1. Product ... X... in period 20 demand of 2 pieces – order 1

1. Product ... X... in period 22 demand of 3 pieces – order 2

1. Product ... Y... in period 20 demand of 4 pieces – order 3

3. MRP Conversion

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Lp. | Position | Level | Period | Gross needs | Stock before | Counting order | Net Needs | Stock after | Where does the demand come from? |
| 1 |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |

Final demand

|  |  |  |  |
| --- | --- | --- | --- |
| Lp. | Position | Period | Net Needs |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |
| 4 |  |  |  |
| 5 |  |  |  |
|  |  |  |  |
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