

Untitled

Mohammad Rizka Fadhli

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Table 1: Optimal Solution

Raw material	Total order qty (in tons)
1	192.6
2	543.4
3	90.7
4	56.5
5	53.0
6	202.9
Total	1139.1

Table 2: Raw Material order per week (in tons)

Raw material	Week 1	Week 2	Week 3	Week 4
1	6.6	65.3	81.7	39.1
2	354.8	23.6	96.1	68.8
3	41.1	26.6	14.4	8.7
4	33.3	0.2	18.4	4.7
5	42.6	10.4	0.0	0.0
6	70.7	111.1	0.0	21.0

Table 3: Stock at the end of the week (in tons)

Raw material	Week 1	Week 2	Week 3	Week 4
1	2.5	2.5	2.5	2.5
2	181.7	2.5	2.5	2.5
3	2.5	2.5	2.5	2.5
4	2.5	2.5	2.5	2.5
5	2.5	2.5	2.5	2.5
6	2.5	2.5	2.5	2.5