Question #1 – Maximal Flow Problem Solution:

---- 35 VARIABLE x.L

1 2 3 4 5 6

1 5.000 10.000

2 5.000

3 5.000 5.000

4 5.000

5 10.000

6 15.000

---- 36 VARIABLE z.L = 15.000

Question #2 – Min-Cost Flow Problem Solution: -

---- 51 VARIABLE f.L

2 3 4

1 500.000 700.000

2 600.000

3 100.000 600.000

---- 52 VARIABLE z.L = 65000.000

Question #3 – Integer Programming Solution: -

---- 21 VARIABLE x.L

1 2.000, 2 4.000

---- 22 VARIABLE z.L = 22.000

Question #4 – Warehouse Location Problem: -

---- 58 VARIABLE x.L

1 2 3 4

1 70.000 30.000

2 200.000

3 100.000 150.000

---- 59 VARIABLE y.L

1 1.000, 2 1.000, 3 1.000

---- 60 VARIABLE z.L = 3430.000