**TUTORIAL-3**

**Post-TUTORIAL:**

1. Minimize Z =5 x1 + 2x2 +10 x3

Subject to :

X1 – x3 <=10

X2 + x3 >=10

And x1,x2,x3 >=0

Solve using two-phase simplex method.

2.Maximize z = 12a1 + 15a2 + 9a3

subject to

8a1 + 16a2 + 12a3 ≤ 250  
4a1 + 8a2 + 10a3 ≥ 80  
7a1 + 9a2 + 8a3 = 105

a1, a2, a3 ≥ 0