PRE-LAB:

1. Write the algorithm for Linear Programming Graphical Method. Define the following:

a. Objective Function.

b. Decision Variables.

c. Constraints.

d. Non negativity Restrictions.

e. Feasible Solution.

2. Solve the following problem graphically:

Maximize C=3a+2b Subject to the constraints a+2b≤10 3a+b≤15 a,b≥0

3. Solve LPP using Graphical Method

Minimize

4p + 5q + 6r

Subject to:

p + q >= 11

p - q <= 5

r - p - q = 0

7p >= 35 – 12q

p >= 0 q >= 0 r >= 0