• Solve the LPP by Simplex method.

Maximize Z=
$$4X1 + 6X2$$

Subject to $X1+2X2 \le 8$
 $6X1+4X2 \le 24$
 $X1, X2 \ge 0$,

• Solve the LPP by Simplex method.

$$\begin{array}{l} \text{Maximize } Z=2X_1+3X_2\\ \text{Subject to the constraints } & X_1+2X_2\leq 6\\ & 2X_1+X_2\leq 9 \\ \end{array} \quad X_1,X_2,\geq 0 \end{array}$$

• Solve the LPP by simplex method

Maximize $Z = 8X_1 + 2X_2$

$$-4X_{1} + 2X_{2} \le 1$$

Subject to $5X_{1} - 4X_{2} \le 3$ $X_{1}, X_{2} \ge 0$