

*Example 29.* Use simplex method to solve the following *LPP*.

$$\begin{array}{ll} \text{Minimize} & Z = 8x + 12y \\ \text{subject to the constraints:} & 2x + 2y \geq 1 \\ & x + 3y \geq 2 \\ & x, y \geq 0 \end{array}$$