Q: Ca) LP?

let X=[X1 x2] X1 Exterior paint tons

The Interior paint tons

$$6x_1 + 4x_2 < 24$$

$$x_1 + 2x_2 < 6$$

$$x_2 - x_1 \leq 1$$

$$x_2 \leq 2$$

Z= 5 N1 + 4 N2 Zman

(6) Nin 2 = -4 y - + 32 + 0 y 3 + 0 y + 0 y 5 + 0 y 5 Subject to

$$\begin{cases} 4g_1 + 6g_2 + g_3 = 24 & \text{fix} \\ 2g_1 + g_2 + g_4 & = 6 & \text{fix} \\ g_1 - g_2 + g_3 = 1 & \text{fix} \\ g_1 + g_3 & = 2 & \text{fix} \\ g_1 + g_3 & = 2 & \text{fix} \\ g_1 + g_2 & = 2 & \text{fix} \end{cases}$$

SIMPLEX Tab

$$y_{1}$$
 y_{2} y_{3} y_{4} y_{5} y_{6}
 y_{5} y_{6} y_{7} $y_{$

min

$$\frac{2}{3} \times \frac{3}{3} = 6 \quad \text{(a)} \times \frac{3}{6} \times$$