$$\begin{bmatrix} 2 & 1 & -3 & 4 \\ 0 & -\frac{5}{2} & \frac{21}{2} & -13 \\ 0 & 0 & -5 & 11 \end{bmatrix} \begin{bmatrix} x_1 \\ x_2 \\ x_3 \\ x_4 \end{bmatrix} = \begin{bmatrix} -1/6 \\ 4 \end{bmatrix}$$

$$2x_1 + x_2 - 3x_3 + 4x_4 = 1$$
 $-\frac{5}{2}x_2 + \frac{2!}{2}x_3 - 13 \times \frac{1}{4} = -\frac{1}{6}$
 $-\frac{5}{2}x_3 + \frac{2!}{2}x_3 - \frac{1}{3} \times \frac{1}{4} = -\frac{1}{6}$
 $-\frac{5}{3}x_3 + \frac{1}{5}x_4$

$$-5x_{3} + 11x_{4} = 4.$$

$$-5x_{3} + 11x_{4} = 4.$$

$$-5x_{2} + \frac{231}{10}x_{4} - 13x_{4} = -\frac{7}{6}$$

$$-\frac{5}{2}x_{2} + \frac{101}{10}x_{4} = -\frac{5}{6} + \frac{252}{5} = -\frac{247}{30}$$

$$-\frac{5}{2}x_{2} = -\frac{101}{10}x_{4} + \frac{247}{30}$$

$$x_{2} = \frac{101}{25}x_{4} - \frac{247}{75}$$

$$\frac{2^{2} \times 2}{-5^{2} \times 2} + \frac{10}{10} \times 4 = \frac{6}{6}$$

$$-\frac{5}{2} \times 2 = -\frac{101}{10} \times 4 + \frac{247}{30}$$

$$\times 2 = \frac{101}{25} \times 4 - \frac{247}{75}$$

$$2x_1 + \frac{101}{25}x_4 - \frac{247}{75} + \frac{17}{5} - \frac{33}{5}x_4 + \frac{11}{5}x_4 = 1.$$

$$\frac{2x_{1} + \frac{101 - 165 + 100}{25}}{25} x_{4} = \frac{1 + \frac{247}{75} - \frac{180}{75}}{75} = \frac{142}{75}$$

$$2x_1 + \frac{36}{25}x_4 = \frac{142}{75}$$

X15

$$X_1 = -\frac{36}{50} X_4 + \frac{71}{75}$$