N3* Penning encounty Mineroper Metabologon M- popio menue $A = \begin{pmatrix} 2 & 1 & 3 \\ 11 & 7 & 5 \\ 9 & 1 & 9 \\ \hline{11} & -\frac{11}{2}T \\ \hline{11} & -\frac{9}{2}T \end{pmatrix} \begin{pmatrix} 2 & 2 \\ 0 & 0 \\ 0 & 0 \end{pmatrix}$ $\frac{1}{3.5} - \frac{3}{11.5} = \frac{1}{311} = \frac{2}{311} = \frac{1}{3} = \frac{3}{1.5} = \frac{1}{31.5} = \frac{3}{52/3} = \frac{1}{3}$ hy = b. h=11/2 0 0 9/2 7/3 1

$$\begin{cases} y_1 = 1 \\ \frac{11}{2}y_1 + y_2 = -6 \\ \frac{9}{2}y_1 + \frac{7}{3}y_2 + y_3 = -5 \end{cases} \qquad \begin{cases} y_1 = 1 \\ y_2 = -6 - \frac{11}{2} = -\frac{11}{5} = -\frac{67}{3} - \frac{15}{3} = \frac{57}{3} = \frac{67}{3} - \frac{15}{3} = \frac{57}{3} = \frac{67}{3} = \frac{67}{3} = \frac{57}{3} = \frac{67}{3} = \frac{57}{3} = \frac{57}{3$$

942 = -11,5 943 = 52/3

 $2 \times 1 + \times 2 + 3 \times 3 = 1$ $1.5 \times 2 - 11.5 \times 3 = -11.5$ $5^{2}/3 \times 3 = 5^{2}/3$

$$\begin{cases} X_1 = -2/2 = -1 \\ X_2 = 0 \\ X_3 = 1 \end{cases}$$