$$A = \begin{pmatrix} 5 & -4 & -7 \\ -4 & 9 & 7 \\ -3 & 7 & 11 \end{pmatrix} \qquad \overline{b} = \begin{pmatrix} -1 \\ 1 \\ -1 \end{pmatrix} \qquad \overline{X}^{\circ} = \begin{pmatrix} 0 \\ 0 \\ 0 \end{pmatrix} \qquad k = 3$$

$$\overline{\Gamma}^{\circ} = \overline{b} - A \cdot \overline{X}^{\circ} = \begin{pmatrix} -1 \\ 1 \\ -1 \end{pmatrix} - \begin{pmatrix} 5 - 4 - 7 \\ -4 & 9 & 7 \\ -7 & 7 & 11 \end{pmatrix} \begin{pmatrix} 0 \\ 0 \\ 0 \end{pmatrix} = \begin{pmatrix} -1 \\ 1 \\ -1 \end{pmatrix}$$

W = 0,58463896

$$\overline{X}^{1} = \overline{X}^{0} + w_{0} \cdot \overline{\Gamma}^{0} = \begin{pmatrix} 0 \\ 0 \\ 0 \end{pmatrix} + 0_{1}59464 \cdot \begin{pmatrix} -1 \\ 1 \\ -1 \end{pmatrix} = \begin{pmatrix} -0_{1}59464 \\ -0_{1}59464 \end{pmatrix} = \begin{pmatrix} -1_{1}16928 \\ -1_{1}75392 \end{pmatrix} = \begin{pmatrix} 0_{1}16928 \\ -1_{1}75392 \end{pmatrix} = \begin{pmatrix} 0_{1}16928 \\ -1_{1}75392 \end{pmatrix}$$

$$\overline{X}^{1} = \overline{X}^{0} + w_{0} \cdot \overline{\Gamma}^{0} = \begin{pmatrix} 0 \\ 0 \\ -1 \\ -1 \end{pmatrix} + 0_{1}59464 \cdot \begin{pmatrix} -1 \\ 1 \\ -1 \end{pmatrix} - \begin{pmatrix} -1_{1}16928 \\ 3_{1}50784 \\ -1_{1}75392 \end{pmatrix} = \begin{pmatrix} 0_{1}16928 \\ -2_{1}75392 \end{pmatrix}$$

$$\overline{X}^{1} = \overline{X}^{0} + w_{0} \cdot \overline{\Gamma}^{0} = \begin{pmatrix} 0 \\ 0 \\ -1 \end{pmatrix} + 0_{1}59464 \cdot \begin{pmatrix} -1 \\ 1 \\ -1 \end{pmatrix} - \begin{pmatrix} -1_{1}16928 \\ 3_{1}50784 \\ -1_{1}75392 \end{pmatrix} = \begin{pmatrix} 0_{1}16928 \\ -2_{1}75392 \end{pmatrix}$$

$$\overline{X}^{1} = \overline{X}^{0} + w_{0} \cdot \overline{\Gamma}^{0} = \begin{pmatrix} 0 \\ 0 \\ -1 \end{pmatrix} + 0_{1}59464 \cdot \begin{pmatrix} -1 \\ 1 \\ -1 \end{pmatrix} - \begin{pmatrix} -1_{1}16928 \\ 3_{1}50784 \\ -2_{1}75392 \end{pmatrix} = \begin{pmatrix} 0_{1}16928 \\ -2_{1}75392 \end{pmatrix}$$

$$\frac{1}{2} = \begin{pmatrix} -0.09373877 \\ -0.58464 \\ -0.58464 \end{pmatrix} + \frac{1}{2} + \frac{1$$

Presne résent: 
$$\overline{X} = \begin{pmatrix} -3,6 \\ 0,72 \\ -2,84 \end{pmatrix}$$

Vijecel chyly:

$$e^{2} = \sqrt{x} - \sqrt{x}^{\circ} = \begin{pmatrix} -3.6 \\ 0.72 \\ -2.84 \end{pmatrix} - \begin{pmatrix} 0 \\ 0 \\ 0 \end{pmatrix} = \begin{pmatrix} -3.6 \\ 0.72 \\ -2.84 \end{pmatrix}$$

$$e^{1} = \sqrt{x} - \sqrt{x}^{1} = \begin{pmatrix} -3.6 \\ 0.72 \\ -2.84 \end{pmatrix} - \begin{pmatrix} -9.8464 \\ 0.58464 \end{pmatrix} = \begin{pmatrix} -3.01536 \\ 0.1536 \\ -2.0536 \end{pmatrix}$$

$$e^{2} = \sqrt{x} - \sqrt{x}^{2} = \begin{pmatrix} -3.6 \\ 0.72 \\ -2.94 \end{pmatrix} - \begin{pmatrix} -0.56877 \\ 0.34856 \\ -2.84279 \end{pmatrix} = \begin{pmatrix} -3.03123 \\ 0.37044 \\ -1.99721 \end{pmatrix}$$

$$e^{3} = \sqrt{x} - \sqrt{x}^{3} = \begin{pmatrix} -3.6 \\ 0.72 \\ -2.84 \end{pmatrix} - \begin{pmatrix} -0.70417 \\ 0.42488 \\ -2.84 \end{pmatrix} = \begin{pmatrix} -2.89583 \\ 0.29512 \end{pmatrix}$$

$$\overline{e}^{3} = \overline{X} - \overline{X}^{3} = \begin{pmatrix} -3/6 \\ 0.72 \\ -2.84 \end{pmatrix} - \begin{pmatrix} -0.70417 \\ 0.42488 \\ -0.74892 \end{pmatrix} = \begin{pmatrix} -2.89583 \\ 9.29512 \\ -2.09108 \end{pmatrix}$$