For 4x4 matrix A

Ax=b

Ax=c

 $\begin{aligned}
 \chi_1 &= \frac{1}{\alpha_{11}} \left( 5, -x_2 \alpha_{12} - x_3 \alpha_{13} - x_4 \alpha_{14} \right) \\
 \chi_2 &= \frac{1}{\alpha_{22}} \left( b_2 - x_1 \alpha_{21} - x_3 \alpha_{23} - x_4 \alpha_{24} \right) \\
 \chi_3 &= \frac{1}{\alpha_{33}} \left( 5_3 - x_1 \alpha_{31} - x_2 \alpha_{32} - x_4 \alpha_{34} \right) \\
 \chi_4 &= \frac{1}{\alpha_{44}} \left( 5_4 - x_1 \alpha_{41} - x_2 \alpha_{42} - x_3 \alpha_{43} \right)
 \end{aligned}$ 

Z X KHI = D' (b-LXKHI - UXK)  $x^{k+1} = 0 \quad \overline{a_{22}} \quad b_{2} \quad a_{21} \times k+1 \quad a_{22} \times x_{2} + a_{13} \times x_{2} + \cdots + a_{2n} \times x_{n} \times x_{n$ Mi = E aijxj + E aijxj  $\chi^{k+1} = D^{-1}(b-M) = \chi_i^{k+1} = \frac{1}{a_{ii}}(b_i-M_i)$