

La Solution est donné pare

$$\hat{X} = (A^{T}MA)^{-1} \left[A^{T}M^{-1}W + C^{T}(C(A^{T}M^{-1}A)^{-1}C^{T})^{-1} \right]$$

$$\left[-W_{c+C}(A^{T}M^{-1}A)^{-1}A^{T}M^{-1}W \right]$$

Dons notice Cas: P=M-1; B-I, N= ATPA; V= ATM-W

$$\frac{1}{X_c} = \frac{1}{X_c} + \frac{1}{N^2C^T} \left(C[CN^{-1}C^T]^2 [-W_c + CN^{-1}V] \right)$$

$$\frac{\Delta}{\chi_{C}} = \begin{pmatrix} 0.67 & 0.5 & -0.25 \\ -1.66 & 0.5 \end{pmatrix} \begin{pmatrix} 0.07 & -0.25 \\ -0.16 & 0.5 \end{pmatrix} \begin{pmatrix} 0.07 & -0.25 \\ -0.16 & 0.5 \end{pmatrix} \begin{pmatrix} 0.07 & -0.25 \\ -0.16 & 0.5 \end{pmatrix}$$

$$= \frac{\sqrt{T.P.V}}{6+2-3} = \frac{\sqrt{TP.V}}{5} = 69.00\%$$

599,98

