a PEV (1) = var (u) - var (û) = 522 El c22 is part of inverse of coefficient Matrix M of mixed model equations  $M^{-1} = \begin{bmatrix} X^T R^T X & X^T R^{-1} Z \end{bmatrix}^{-1} = \begin{bmatrix} C^M & C^2 \\ Z^T R^T X & Z^T R^{-1} Z^{-1} G \end{bmatrix} = \begin{bmatrix} C^M & C^2 \\ C^2 & C^2 \end{bmatrix}$ Munder of animals i'm pedipree C'is symmetric with dimensions qxq. with q being the number of animals in Peolipree.