G = 1+FA 0 G = A. Fu used in animal made For Mixed Model Equations, we need G-1 $G^{-1} = (A \cdot G_u^2)^{-1} = A^{-1} \cdot G_u^2$ $\begin{bmatrix} x^Tx & x^TZ \\ T^Tx & T^TZ + A^{-1}x \end{bmatrix} \begin{bmatrix} \hat{A} \\ \hat{u} \end{bmatrix} = \begin{bmatrix} x^Ty \\ T^Ty \end{bmatrix}$ $= \sqrt{5}e^2/5u^2$ Compute Numeralor Relationship Patrix A Badgeard: var (u) = G = A. 64