Example !! E(e) = Q, E(us) = Q, E(y) XB  $Vav(u_s) = \begin{bmatrix} vav(u_n) & cov(u_n,u_u) \\ cov(u_n,u_u) & cov(u_n,u_s) \end{bmatrix} = \begin{bmatrix} cov(u_n,u_n) & cov(u_n,u_s) \\ cov(u_s,u_n) & cov(u_s,u_n) \end{bmatrix} = \begin{bmatrix} cov(u_s,u_n) & cov(u_s,u_s) \\ cov(u_s,u_n) & cov(u_s,u_n) \end{bmatrix} = \begin{bmatrix} cov(u_s,u_n) & cov(u_s,u_s) \\ cov(u_s,u_n) & cov(u_s,u_n) \end{bmatrix} = \begin{bmatrix} cov(u_s,u_n) & cov(u_s,u_s) \\ cov(u_s,u_n) & cov(u_s,u_n) \end{bmatrix} = \begin{bmatrix} cov(u_s,u_n) & cov(u_s,u_s) \\ cov(u_s,u_n) & cov(u_s,u_n) \end{bmatrix} = \begin{bmatrix} cov(u_s,u_n) & cov(u_s,u_s) \\ cov(u_s,u_n) & cov(u_s,u_n) \end{bmatrix} = \begin{bmatrix} cov(u_s,u_n) & cov(u_s,u_s) \\ cov(u_s,u_n) & cov(u_s,u_n) \end{bmatrix} = \begin{bmatrix} cov(u_s,u_n) & cov(u_s,u_s) \\ cov(u_s,u_n) & cov(u_s,u_n) \end{bmatrix} = \begin{bmatrix} cov(u_s,u_n) & cov(u_s,u_s) \\ cov(u_s,u_n) & cov(u_s,u_n) \end{bmatrix} = \begin{bmatrix} cov(u_s,u_n) & cov(u_s,u_s) \\ cov(u_s,u_n) & cov(u_s,u_n) \\ cov(u_s,u_n) & cov(u_s,u_n) \end{bmatrix} = \begin{bmatrix} cov(u_s,u_n) & cov(u_s,u_s) \\ cov(u_s,u_n) & cov(u_s,u_n) \\ cov(u_s,u_n$ Var(e) = R= I. Fe = 1/2 Fu 1/4 Fu 1/4 Fu 1/2 Fus 1/2 Fus 1/2 Fus 1/2 Fus Ui = 1/2 us + 1/2 ud + mit For sire model: 4 = 1/2 4 + 114 cov (u1, u4) = cov(u1, 1/24+m4) = cov(u,1/2m) + cov(un, my, = 1/2 cov(un, un) = 1/2 Fu