Insul information from obten into model: y, X,B - fixed effect model  $\frac{1}{3.51} = \begin{bmatrix} 1 & 0 \\ 3.51 \end{bmatrix} = \begin{bmatrix} 1 & 0 \\ 1 & 1 \end{bmatrix}$   $\frac{1}{1} = \begin{bmatrix} 1 & 0 \\ 3.51 \end{bmatrix} = \begin{bmatrix} 1 & 0 \\ 1 & 1 \end{bmatrix}$   $\frac{1}{1} = \begin{bmatrix} 1 & 0$ var (e) = R = I. Te; var (s) = [var(s1) cov(s1,50) cov(s1,50) Assume sires 1,2 and 3 are unrelated, i.e. they do not share any common ancestors =D COV (Sn, Sz) = (OV (Sn, Sz) = (OU (Sz, Sz) = 0) -n G = var(s) = I · 03 Find solutions for estimaks Band predictions of using Mixed Model Equations: