2.) Note & m(x) and n(x) return row and column dimensions of matrix (or weeter) x, respectify,

· Warnes

Using Theorem's , Theorem Sol RZ-F, & Thorem 501 R4-F from 3.12 PLT

For 
$$u_{11} = \alpha_{11} - \binom{\Gamma}{10} u_{01}$$

$$U_{11} = \chi_{11} - |_{10} u_{01}$$

$$U_{12} := Q_{12} - |_{10}^{T} U_{02}$$

$$|_{21} := (a_{21} - L_{20} U_{01})/V_{11}$$

$$M\left(\frac{A_{00}|A_{01}}{a_{10}^{T}|A_{11}}\right) = k+1$$

$$\begin{bmatrix}
L_{00} U_{00} = A_{00} + \Delta A_{00} & V_{00} = \alpha_{01} + \delta u_{01} \\
V_{10} U_{00} = \alpha_{10}^{-7} + \delta \alpha_{10}^{-7} & V_{10} = \alpha_{01} + \delta \alpha_{01}
\end{bmatrix}$$

$$L_{20} U_{00} = A_{20} + \Delta A_{20}$$

$$L_{20} U_{01} + V_{01} = \alpha_{01} + \delta \alpha_{01}$$

$$L_{20} U_{02} + U_{02}^{-7} = \alpha_{02}^{-7} + \delta \alpha_{02}$$

$$\int_{0}^{\infty} \Delta A_{00} \delta \alpha_{01} |A_{02}|$$

$$\int_{0}^{\infty} \Delta A_{00} \delta \alpha_{01} |A_{02}|$$

$$\frac{\Delta A_{\infty}}{\delta \alpha_{0}^{T}} \frac{\delta \alpha_{0}}{\delta \alpha_{1}^{T}} \frac{\Delta A_{02}}{\delta \alpha_{0}^{T}} = \alpha_{2} + \delta \alpha_{2},$$

$$\frac{\Delta A_{\infty}}{\delta \alpha_{0}} \frac{\delta \alpha_{0}}{\delta \alpha_{1}^{T}} \frac{\Delta A_{02}}{\delta \alpha_{2}} = \sum_{i=0}^{T} \frac{|\dot{i}_{\infty}| |\dot{i}_{\infty}|}{|\dot{i}_{\infty}| |\dot{i}_{\infty}|} \frac{|\dot{i}_{\infty}| |\dot{i}_{\infty}|}{|\dot{i}_{\infty}| |\dot{i}_{\infty}|} \frac{|\dot{i}_{\infty}| |\dot{i}_{\infty}|}{|\dot{i}_{\infty}| |\dot{i}_{\infty}|} = \alpha_{2} + \delta \alpha_{2},$$

$$\frac{\Delta A_{\infty}}{\delta \alpha_{0}} \frac{\delta \alpha_{0}}{\delta \alpha_{0}} \frac{\Delta A_{02}}{\delta \alpha_{0}} = \sum_{i=0}^{T} \frac{|\dot{i}_{\infty}| |\dot{i}_{\infty}|}{|\dot{i}_{\infty}| |\dot{i}_{\infty}|} \frac{|\dot{i}_{\infty}| |\dot{i}_{\infty}|}{|\dot{i}_{\infty}| |\dot{i}_{\infty}|} = \alpha_{2} + \delta \alpha_{2},$$

$$\frac{|\dot{i}_{\infty}| |\dot{i}_{\infty}| |\dot{i}_{\infty}|}{|\dot{i}_{\infty}| |\dot{i}_{\infty}| |\dot{i}_{\infty}|} \frac{|\dot{i}_{\infty}| |\dot{i}_{\infty}|}{|\dot{i}_{\infty}| |\dot{i}_{\infty}|} = \alpha_{2} + \delta \alpha_{2},$$

$$\frac{|\dot{i}_{\infty}| |\dot{i}_{\infty}| |\dot{i}_{\infty}|}{|\dot{i}_{\infty}| |\dot{i}_{\infty}|} \frac{|\dot{i}_{\infty}| |\dot{i}_{\infty}|}{|\dot{i}_{\infty}|} \frac{|\dot{i}_{\infty}| |\dot{i}_{\infty}|}{|\dot{i}_{\infty}| |\dot{i}_{\infty}|}}{|\dot{i}_{\infty}| |\dot{i}_{\infty}|} \frac{|\dot{i}_{\infty}| |\dot{i}_{\infty}|}{|\dot{i}_{\infty}| |\dot{i}_{\infty}|} \frac{|\dot{i}_{\infty}| |\dot{i}_{\infty}|}{|\dot{i}_{\infty}|} \frac{|\dot{i}_{\infty}|}{|\dot{i}_{\infty}|} \frac{|\dot{i}_{\infty}|}{|\dot{i}_{\infty}|} \frac{|\dot{i}_{\infty}| |\dot{i}_{\infty}|}{|\dot{i}_{\infty}|} \frac{|\dot{i}_{\infty}|}{|\dot{i}_{\infty}|} \frac{$$

Gard genera

This proves backwerd error analysis dies of bondered LU factoritation of win induction.