$$A = \begin{bmatrix} A_{11} \\ A_{12} \\ A_{13} \end{bmatrix} \times \begin{bmatrix} A_{14} \\ A_{15} \\ A_{16} \end{bmatrix}, A_{14} Q$$

$$A \times A^{-1} = I$$

$$\begin{bmatrix} A_{11} & A_{17} \\ A_{17} \end{bmatrix} \times \begin{bmatrix} A_{11} & A_{12} \\ A_{16} \end{bmatrix} = \begin{bmatrix} I_{12} & 0 \\ 0 & I_{13} \end{bmatrix}, Q$$

$$\begin{bmatrix} A_{11} & A_{17} \\ A_{17} \end{bmatrix} \times \begin{bmatrix} A_{11} & A_{12} \\ A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} \end{bmatrix}$$

$$\begin{bmatrix} A_{11} & A_{17} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix}$$

$$\begin{bmatrix} A_{11} & A_{17} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17} \end{bmatrix} = \begin{bmatrix} A_{11} & A_{17} \\ A_{17} & A_{17$$

Any , V = 9 TAPL , X Garage 2 = at (AA) on = lim (2+h) A (x+h) - x An = lim 2 TA2+ x TA h + L TA2+ L TAh - x A2 A Michology Colo $\frac{\partial A^{-1}}{\partial \alpha} = -A^{-1} \frac{\partial A}{\partial \alpha} A^{-1}$ $\frac{\partial T}{\partial a} = 0 \longrightarrow \frac{dA}{da} A^{-1} \times A \frac{dA^{-1}}{da} \longrightarrow \frac{-AA^{-1}JA^{-1}}{da} = -A^{-1}JAA A^{-1}$

 $y = 4\alpha_{1}^{+} + \epsilon \alpha_{1}^{+} + t^{*} \alpha_{1}^{+} = 1 \rightarrow \alpha_{1}^{+} + \alpha_{1}^{-} + \alpha_{2}^{-} = 1 \rightarrow \alpha_{1}^{-} + \alpha_{2}^{-} + \alpha_{2}^{-} = 1 \rightarrow \alpha_{1}^{-} + \alpha_{2}^{-} = 1 \rightarrow \alpha_{1}^{$

ATANJO -> A= LA). det (A) = Lot (A) = det (ATA) = det (ATA) = . Prisonio con -is cristic (W) ->det(A) =. -> A'S Clab A A P Chesin - no sole co liters is neil (1) [2 d] [0 0] [2] 21 An = . - 91 = y = Sing L (n-y) " NI 2 48 jue 2, 7 [:]=[:] - (2-1) - (2-1) =: of other of a man will ? nog f. of i] or wing ?. OF CO ATA JAAT - GO & AER " (C 2 TAATA = (A2) (A2) T = NATA 117 -ATATAN = (AA)T(AA) = 11AA11) $\rightarrow \chi = \cdot \rightarrow A \chi = 0$, $A \chi = 0$

CILIA A = Joseph - ? $x TATA 2 = x TAT \times AX = (Ax) TAX = ||AX||^{\frac{1}{2}} + ||AX||^{\frac{1}{2}} + ||AX||^{\frac{1}{2}} = ||AX||^{\frac{1}{2}} + ||AX||^{\frac{1}{2}} = ||AX||^{\frac{$