$XA = C \rightarrow X = CA^{-1}$ $XB + Y = D \rightarrow CA^{-1}B + Y = D \rightarrow Y = (D - CA^{-1}B)$ (iii) if it $det\begin{bmatrix} A & B \\ C & D \end{bmatrix} = det\begin{bmatrix} 1 & 0 \\ X & I \end{bmatrix}\begin{bmatrix} A & B \\ X & Y \end{bmatrix} = det\begin{bmatrix} 1 & 0 \\ X & I \end{bmatrix} det\begin{bmatrix} A & B \\ 0 & Y \end{bmatrix} = det\begin{bmatrix} A & B \\ 0 & Y \end{bmatrix}$ Elsrus det [AB] = det(A) x det(Y) = det(A) x det (D-CA'B) inochus; pito: det(A) x det(Y) = det(AY) = det(AD - ACA'B) = det (AD - CAA'B) = det (AD - CB) سری آمری از کا رک در دور از این از کا کی در داری این از کی در این می در این $\begin{bmatrix} A & B \\ \cdot & D \end{bmatrix} = \begin{bmatrix} A & \cdot \\ \cdot & 1 \end{bmatrix} \begin{bmatrix} 1 & \cdot \\ \cdot & D \end{bmatrix} \begin{bmatrix} 1 & A'B \\ \cdot & D \end{bmatrix} \xrightarrow{\text{det}(W)} \xrightarrow{\text{det}(X)} \xrightarrow{\text{d$ - det (w) = det A det B

$$\det \begin{bmatrix} 1 & \alpha & \alpha' \\ 1 & b & b' \\ 0 & cr \end{bmatrix} = \det \begin{bmatrix} 0 & (b-\alpha) & (b'-\alpha') \\ 0 & (c-\alpha) & (c'-\alpha') \end{bmatrix} = (b-\alpha) \det \begin{bmatrix} 1 & \alpha & \alpha' \\ 0 & (c'-\alpha') \end{bmatrix}$$

$$= (b-\alpha) \det \begin{bmatrix} 0 & \alpha & \alpha' \\ 0 & (c'-\alpha') \end{bmatrix} = (b-\alpha) (c-\alpha) (c-b)$$

$$A = \begin{bmatrix} \pm 1 & \chi_{|\alpha(n-1)|} \\ 0 & (c-\alpha) & (c'+\alpha) \end{bmatrix} = (b-\alpha) (c-\alpha) (c-b)$$

$$A = \begin{bmatrix} \pm 1 & \chi_{|\alpha(n-1)|} \\ 0 & (c-\alpha) & (c'+\alpha) \end{bmatrix} = (b-\alpha) (c'-\alpha')$$

$$B = C \qquad \text{whi} \quad \text{of } c = 1 \text{ in } \text{ of } c = 1 \text{ in } c = 1 \text$$

