Suppose NI=U, U1=0

he can get a symmetoric motorin with sank

1 s.l., the first element u negative, a

contradiction.

$$A = \begin{bmatrix} -1 & -2 \\ -2 & -4 \end{bmatrix}$$

D[ ~ ] O . /~ 10

2 n- (A)

CA-A = C

Owler

A B(AB) A = AB (AB) ABX = ABX = A

II) 
$$A \left( G + \left( I - GA \right) U + V \left( I - AG \right) \right) A$$

> AGA + A (I-GA) VA + AV (I-AG)A = A + (A-AGA)VA + AV (A-AGA) =

13(b) 
$$GX^T$$
 Where  $G = (X^TX)^-$ 

$$Y(GX^T)X = Y(X^TX)^-X^TX$$

$$= YX^TX(X^TX)^-X^TX$$

$$= YX^TX = X$$