Amount cut (A) = n

PA =
$$T : \begin{bmatrix} R \\ O \end{bmatrix}$$

Read to A interfer |

PT = $\begin{bmatrix} X & | Y \end{bmatrix}$

PT = $\begin{bmatrix} X & | Y \end{bmatrix}$

Moreover the property of the property

$$dim (S(A) = Car(A) = Car(X) = dim (S(X))$$

$$CS(X) = CS(A)$$

$$X^{T}X = \begin{bmatrix} -x^{T} \\ -x^{T} \end{bmatrix} \begin{bmatrix} x^{T} \\ -x^{T} \end{bmatrix}$$

$$= \begin{bmatrix} 1 & 0 & -1 & 0 \\ 0 & 1 & -1 \end{bmatrix} = T_{n}$$