$$\begin{bmatrix} B & AB \end{bmatrix} = \begin{bmatrix} 0 & 1 \\ 1 & -1 \end{bmatrix}$$

$$A = T^{-1}AT = \begin{bmatrix} 0 & 1 \\ -2 & -3 \end{bmatrix}$$

(3)

$$A = T^{-1}AT = \begin{bmatrix} 0 & 1 \\ -2 & -3 \end{bmatrix}$$

 $\zeta_1 = \zeta_1 = [0]$ 

2.  $Q_k = \begin{bmatrix} 1 & 3 & 7 \\ 0 & 1 & 4 \\ 1 & 4 & 9 \end{bmatrix}$   $\Gamma(Q_k) = 3$ 

k= x 1-1=[1 3]

$$A = T^{-1}AT = \begin{bmatrix} 0 & 1 \\ -2 & -3 \end{bmatrix}$$

$$B = T^{-1}b = \begin{bmatrix} 0 \\ 1 \end{bmatrix}$$

$$\hat{A} = T^{-1}AT = \begin{bmatrix} 0 & 1 \\ -2 & -3 \end{bmatrix}$$

$$\tilde{A} = T^{-1}AT = \begin{bmatrix} 0 & 1 \\ -2 & -3 \end{bmatrix}$$

$$A = T^{-1}AT = \begin{bmatrix} 0 & 1 \\ -2 & -3 \end{bmatrix}$$

 $f^*(s) = s^2 + 6s + 9$   $f(s) = s^2 + 3s + 2$   $\mathcal{R} = [7 3]$ 

$$\widetilde{A} = T^{-1}AT = \begin{bmatrix} 0 & 1 & 0 \\ 0 & 0 & 1 \\ 1 & -3 & 3 \end{bmatrix}$$

$$\widetilde{B} = T^{-1}b = \widetilde{D}$$

$$\beta = T' b = \begin{bmatrix} 0 \\ 0 \\ 1 \end{bmatrix}$$

$$C' = C' T = \begin{bmatrix} 0 & 0 & 2 \end{bmatrix}$$

$$f^*(s) = (S+1)(S+1-j)(S+1+j)$$

$$= S^3 + 3s^2 + 4s + 2$$

$$f(s) = S^3 - 3s^2 + 3s - 1$$

$$R = \begin{bmatrix} 3 & 1 & 6 \end{bmatrix}$$

$$k = RT' = \begin{bmatrix} 4 & -1 & 2 \end{bmatrix}$$

镇定问题

rank (Qk)= 1 +2

系统不完全能拒  $\tilde{A} = T^{-1}AT = \begin{bmatrix} -2 & 1 \\ 0 & -1 \end{bmatrix}$