2/3(3)1, C, se c) A US on M DS. N=2/1. (1 = 1)

$$A = \begin{bmatrix} \alpha_{11} & \alpha_{12} \\ \alpha_{12} & \alpha_{22} \end{bmatrix}, \quad n = \begin{bmatrix} \alpha_{1} \\ m_{2} \end{bmatrix}$$

$$g(m) = \pi^{T} A m = \begin{bmatrix} m_{1} & m_{2} \end{bmatrix} \begin{bmatrix} \alpha_{11} \\ \alpha_{12} & \alpha_{22} \end{bmatrix} \begin{bmatrix} m_{1} \\ m_{2} \end{bmatrix}$$

$$Am = \begin{bmatrix} \alpha_{11} & \alpha_{12} \\ \alpha_{12} & \alpha_{21} \end{bmatrix} \begin{bmatrix} m_{1} \\ m_{2} \end{bmatrix} = \begin{bmatrix} \alpha_{11} m_{1} + \alpha_{12} m_{2} \\ \alpha_{12} m_{1} + \alpha_{22} m_{2} \end{bmatrix}$$

$$g(m) = \begin{bmatrix} m_{1} & m_{2} \end{bmatrix} \begin{bmatrix} \alpha_{11} m_{1} + \alpha_{12} m_{2} \\ \alpha_{12} m_{1} + \alpha_{22} m_{2} \end{bmatrix}$$

$$g(m) = \begin{bmatrix} m_{1} & m_{2} \end{bmatrix} \begin{bmatrix} \alpha_{11} m_{1} + \alpha_{12} m_{2} \\ \alpha_{12} m_{1} + \alpha_{22} m_{2} \end{bmatrix}$$

$$g(m) = \begin{bmatrix} m_{1} & m_{2} \end{bmatrix} \begin{bmatrix} \alpha_{11} m_{1} + \alpha_{12} m_{2} \\ \alpha_{12} m_{1} + \alpha_{22} m_{2} \end{bmatrix}$$

= m, (a,, n, +a,2 2) + m2 (a,2 m, +a22 2)

 $f(n) = a_{11}^{2} + 2a_{12}^{2}, m_{2} + a_{22}^{2}$

· (10) / Com MA USL, mb, n=3 15. (x=20) $A = \begin{bmatrix} a_{11} & a_{12} & a_{13} \\ a_{12} & a_{22} & a_{23} \\ a_{13} & a_{23} & a_{33} \end{bmatrix}$, $m_2 \begin{bmatrix} m_1 \\ m_2 \\ m_3 \end{bmatrix}$ $P(m) = m A m = \begin{bmatrix} m_1 & m_2 & m_3 \end{bmatrix} \begin{bmatrix} a_{11} & a_{12} & a_{13} \\ a_{12} & a_{22} & a_{23} \\ a_{13} & a_{23} & a_{33} \end{bmatrix} \begin{bmatrix} m_1 \\ m_2 \\ m_3 \end{bmatrix}$ $f(n) = \alpha_{11}n_{1} + 2\alpha_{12}n_{1}n_{2} + 2\alpha_{3}n_{1}n_{3} + \alpha_{22}n_{2} + 2\alpha_{3}n_{1}n_{3} + \alpha_{22}n_{2} + 2\alpha_{3}n_{1}n_{3} +$ Clip Con of Con of Cho Is I Take R(m)= [aiimi +2 [aijmimj $\sqrt{n_2}$ $\sqrt{n_2}$ $\sqrt{n_3}$ $\sqrt{n_4}$ $\sqrt{n_4}$ $\sqrt{n_4}$ $\sqrt{n_4}$ $\sqrt{n_4}$, sfr/86/6/23 o Res Chops us hiving on the Colores ·CII org on i indicate

リスクラゴmbs、スAUS 87 = 2Am $\frac{Sf}{8n} = 2(\alpha_{11}^{n}, +\alpha_{12}^{n})$ SP = 2 (a,2 7, + a22 2) St = 2(a,, x, +a,2 2+a,3 2) 8m $=2(\alpha_{12}^{n}, +\alpha_{22}^{n} +\alpha_{23}^{n})$ $\frac{\int}{\int} = 2(\alpha_{13}^{3}, +\alpha_{23}^{3} + \alpha_{33}^{3})$ & n 3

(4 Feb 8(m1 = (m, Am) // Fing i in e = 20 (6), papa juli i ju = 2 A 554) [1] Anto MAMO.

Servicio Dies Servicio Al Dies Servicio de Contra Con / f(m) 620 (6/2 polos ~ in 2: co los A 556) (2 Anto MANCO

Nersoliticol il go fen 1. (L'iel o/2/16 1) Till) L'eine di A /1 (3