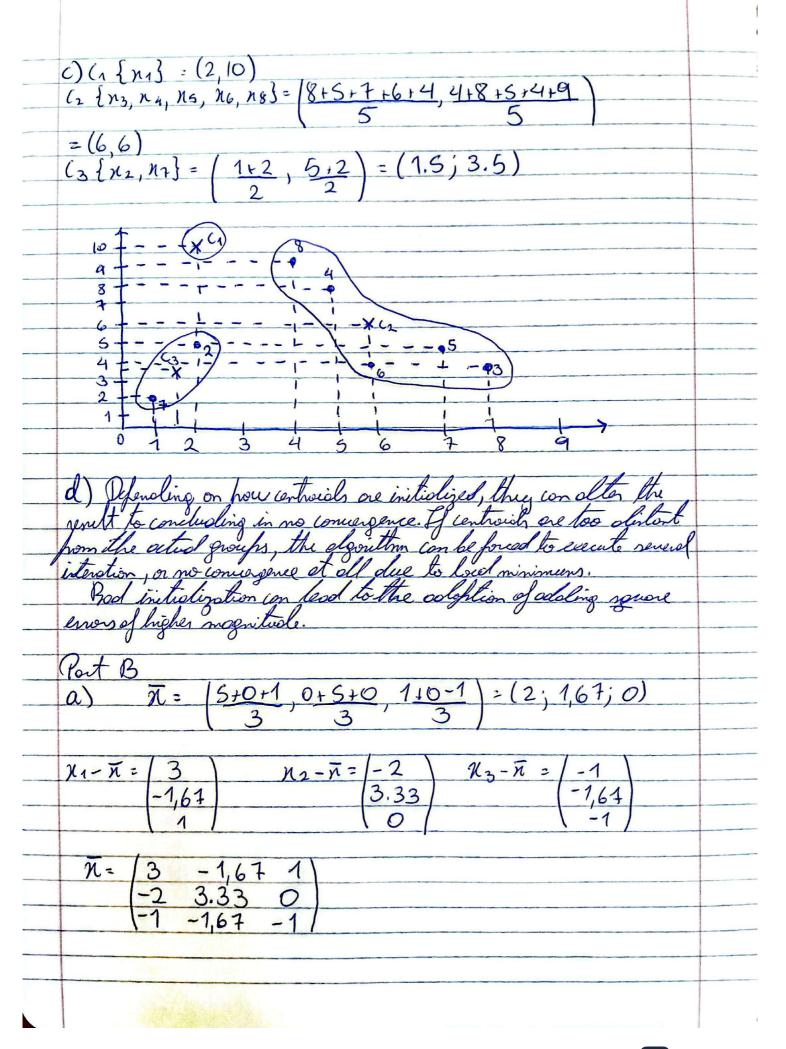
HW-4 Port A 1.(2,10) 2.(2,5) 3.(8,4) 4.(5,8) 5.(7,5) 6.(6,4) 7.(1,2) 8.(4,9)  $\alpha$ o- Points X - Contra b) C1=(210) (2=(5,8) (3=(1,2) 1/2 =  $0(n_2, c_1) = \sqrt{(2-2)^2 + (5-0)^2} = 5$   $0(n_2, c_2) = \sqrt{(2-5)^2 + (5-6)^2} = \sqrt{18} \approx 4.24$   $0(n_2, c_3) = \sqrt{(2-7)^2 + (5-2)^2} = \sqrt{10} \approx 3,163$  $M_3 \rightarrow ol(n_3, c_1) = \sqrt{(8-2)^2+(4-10)^2} = \sqrt{52} \approx 7,21$   $ol(n_3, c_2) = \sqrt{(8-5)^2+(4-8)^2} = \sqrt{25} = 5$   $ol(n_3, c_3) = \sqrt{(8-1)^2+(4-2)^2} = \sqrt{53} \approx 7,28$  $N_{5} \rightarrow d(n_{5,c1}) = \sqrt{(7-2)^{2} + (6-10)^{2}} = \sqrt{50} = 7,071$   $d(n_{5,c2}) = \sqrt{(7-5)^{2} + (5-8)^{2}} = \sqrt{13} \approx 3,61$   $d(n_{5,c3}) = \sqrt{(7-1)^{2} + (5-2)^{2}} = \sqrt{45} \approx 6,71$  $\chi_{6\rightarrow 0}(n_{4},c_{1})=\sqrt{(6-2)^{2}+(4-10)^{2}}=\sqrt{40}\approx 6,324$   $\chi_{6\rightarrow 0}(n_{4},c_{2})=\sqrt{(6-5)^{2}+(4-8)^{2}}=\sqrt{15}\approx 3,87$   $\chi_{6\rightarrow 0}(n_{4},c_{3})=\sqrt{(6-1)^{2}}+(4-2)^{2}=\sqrt{29}\approx 5,385$  $18 + d(x_8, u) = \sqrt{(4-2)^2 + (9-10)^2} = \sqrt{5} \approx 2.236$   $d(x_8, u) = \sqrt{(4-5)^2 + (9-8)^2} = \sqrt{2} \approx 1.41$   $d(x_8, c_3) = \sqrt{(4-1)^2 + (9-2)^2} = \sqrt{5} \approx 7.62$ 



$$C = \frac{1}{3} \begin{pmatrix} 3 - 2 - 1 \\ -161 & 333 & -167 \\ 1 & 0 & -1 \end{pmatrix} \begin{pmatrix} 3 - 1,67 & 1 \\ -2 & 3,33 & 0 \\ -1-1,67 & -1 \end{pmatrix}$$

$$= \frac{1}{3} \begin{pmatrix} 124 & -10 & 4 \\ -10 & 4,61 & 0 \\ 4 & 0 & 2 \end{pmatrix} \begin{pmatrix} 4/3 & -10/3 & 4/3 \\ -10/3 & 5,557 & 0 \\ 4/3 & 0 & 2/3 \end{pmatrix}$$

$$= \begin{pmatrix} 14/3 & -10/3 & 4/3 \\ -10/3 & 5,5534 & 0 \\ 4/3 & 0 & 2/3 \end{pmatrix}$$

$$= \begin{pmatrix} 14/3 & -10/3 & 4/3 \\ -10/3 & 5,5534 & 0 \\ 4/3 & 0 & 2/3 \end{pmatrix} \begin{pmatrix} 2/3 & -1/6 & 2/3 \\ -1/3 & 0 & 2/3 \end{pmatrix}$$

$$= \begin{pmatrix} 14/3 & -10/3 & 4/3 \\ -1/3 & 0 & 2/3 \end{pmatrix} \begin{pmatrix} 2/3 & -1/6 & 2/3 \\ -1/3 & 0 & 2/3 \end{pmatrix}$$

$$= \begin{pmatrix} 14/3 & -1/6 & 1 \\ -1/3 & -1/6 & 1 \end{pmatrix} \begin{pmatrix} 2/3 & -1/6 & 1/2 \\ -1/3 & -1/6 & 1/2 \end{pmatrix} \begin{pmatrix} 2/3 & -1/6 & 1/2 \\ -1/3 & -1/6 & 1/2 \end{pmatrix}$$

$$= \begin{pmatrix} 14/3 & -1/6 & 1 \\ -1/3 & -1/6 & 1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/3 & -1/6 & 1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/3 & -1/6 & 1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\ -1/2 & -1/2 & -1/2 \end{pmatrix} \begin{pmatrix} 1/3 & -1/6 & 1/2 \\$$

 $||V_1|| = \sqrt{(1.2366)^2 + (1.2723)^2 + 1} \approx 2.037$ 0.6071 V2 moundized; 11 V31 = V(5.93)2+(-6.65)2+1 = 8.892 N= 0 P1 P2 0 of3