) given
$$x_1 = (0_1 2) | x_2 = (0_1 0) |$$
 $x_4 = (5_1 0) | x_5 = (5_1 2) |$
 $x_4 = (5_1 0) | x_5 = (5_1 2) |$
 $x_4 = (5_1 0) | x_5 = (5_1 2) |$
 $x_4 = (5_1 0) | x_5 = (5_1 2) |$
 $x_5 = (5_1 1) | x_5 | x_5 |$
 $x_7 = (1 1) | x_7 | x_7 |$
 $x_7 = (1 1) | x_7 | x_7 |$
 $x_7 = (1 1) | x_7 | x_7 |$
 $x_7 = (1 1) | x_7 | x_7 |$
 $x_7 = (1 1) | x_7 | x_7 |$
 $x_7 = (1 1) | x_7 | x_7 |$
 $x_7 = (1 1) | x_7 | x_7 |$
 $x_7 = (1 1) | x_7 | x_7 |$
 $x_7 = (1 1) | x_7 | x_7 |$
 $x_7 = (1 1) | x_7 | x_7 |$
 $x_7 = (1 1) | x_7 | x_7 |$
 $x_7 = (1 1) | x_7 | x_7 |$
 $x_7 = (1 1) | x_7 | x_7 |$
 $x_7 = (1 1) | x_7 | x_7 |$
 $x_7 = (1 1) | x_7 | x_7 |$
 $x_7 = (1 1) | x_7 | x_7 |$
 $x_7 = (1 1) | x_7 | x_7 |$
 $x_7 = (1 1) | x_7 | x_7 |$
 $x_7 = (1 1) | x_7 | x_7 |$
 $x_7 = (1 1) | x_7 | x_7 |$
 $x_7 = (1 1) | x_7 | x_7 |$
 $x_7 = (1 1) | x_7 | x_7 |$
 $x_7 = (1 1) | x_7 | x_7 |$
 $x_7 = (1 1) |$

$$E_{1}e^{-1} = E_{1}e^{-1} + E_{2}e^{-1}$$

$$= 19.336 + 8.0121$$

$$= 29.4162$$

$$M_{1} = (1.1610.66)$$

$$M_{2} = (2.24, 2)$$

$$M_{3} = (012)$$

$$M_{1} = \sqrt{0.1667} + (2-0.45)^{2} + \sqrt{0.3.25} + (2-1)^{2}$$

$$= \sqrt{2.756 + 1.991} = \sqrt{10.513 + 1.06}$$

$$= \sqrt{2.756 + 0.926} = \sqrt{11.563} + \sqrt{0.0}$$

$$= \sqrt{2.756 + 0.926} = \sqrt{10.3.25} + (0-1)^{2}$$

$$= \sqrt{2.756 + 0.926} = \sqrt{10.513 + 1.00}$$

$$= \sqrt{3.192} = 1.787$$

$$= 1.787 = 1.787$$

$$= \sqrt{11.562} = 2.4000$$

$$M_{3} = \sqrt{1.55 - 1.65} + \sqrt{0.065} = \sqrt{1.5 - 3.25} + \sqrt{0.063} + \sqrt{0.065}$$

$$= \sqrt{0.962} = 2.016$$

$$= 0.680$$

$$M_{3} = M_{1}$$

0 (X41m1) = (510) (15-1.26) + (0-0.06) = (15-3.25) + (0-1) Er= { 74.063 = VIIIC6 +0.486 112 2,011 ". Missenz so its belongs to the dusters EL = d(x5,1m)= \((5-3.25)\)+12-0.16)~ d(x5,1m)=\((5-3.25)\)+12-17 FIL = VII.156 + 1.796 = VII.156 + 1.796 = 2.0156 = 12.95r = 12.95r Ve.ousi :. m, 11) m2 so sti belongs to the claster 2 with C1= { (X1/x2/x3)} (1= {(X1/x2/x3)} X1= NO CX, Trep O! $m_1 = \begin{cases} 0 + 0 + 1.5, 2 + 0 + 0 \end{cases}$ $m_2 = \begin{pmatrix} 5 + 5, 0 + 2 \\ \overline{2}, 0 + 2 \end{pmatrix}$ $m_1 = \begin{cases} 0 + 0 + 1.5, 2 + 0 + 0 \end{cases}$ $m_2 = \begin{pmatrix} 10 & 2 \\ \overline{2}, 2 \end{pmatrix}$ 2 30.500, 0.4693

Eire { (0-0-500)~+ (2-0.667)~+ (0-0-500)~ Step 2: Find the error + (0-0.00+) (1.2-0.200) + (0-0.60) = 0.250 + 1.777 + 0.350 + 0.1145 + 1.00 + 0.445 Ei= {(5-5)~+ (0-5)~+ (5-5)~+(2-0~) = { b + 1 + 0 + 1} > 2 (11/2) 10 (6131) = (-17 EIC = EI + . F2 = 162010-01+ (00200-201) - = 4 00.010 Veousign all the Halve down objects on to the chuster with the max distance. m, = (0.500 10.667) m2 = (5/2) 1/2 = (012) 1/2 = (0 - 0.500) + (2 - 0.667) = (0 - 5) + (2 - 0.667) = (0 -= Vo: 250+1. 977 ~ V26.00 2. 12.627 - NO 424 55:099 ". MZ7M1 10 St (10-2) = 6 1/2 1/2

$$X_{2} = (010)$$

$$0(1 \times 1 \times 1) = \sqrt{(0 - 0.566)^{2}} + [0 - 0.669)^{2}$$

$$= \sqrt{0.695}$$

$$= \sqrt{0.695}$$

$$= \sqrt{0.695}$$

$$= \sqrt{0.695}$$

$$= \sqrt{0.695}$$

$$= \sqrt{0.000} + (0.000)^{2} + (0.000)^{2}$$

$$= \sqrt{12.250} + (0.00)^{2}$$

$$= \sqrt{1$$

d(X51M2)= \(\lambda(x-5)\forall (2-1)\rightarrow\) = 1.66 \(1)(\times(1,\times))\)
\(\tau = (\times(1,\times))\)
\(\times = (\times(1,\times))\)
\(\times = \times \)
\(\times =