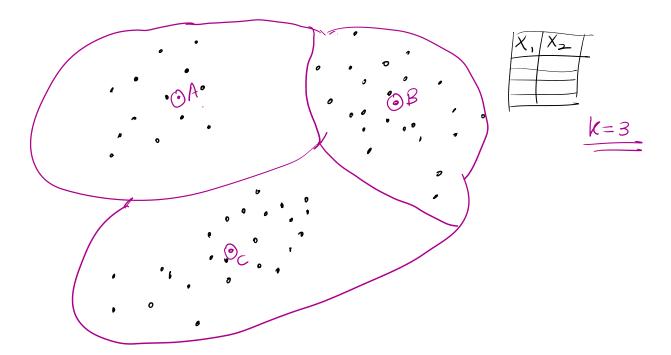
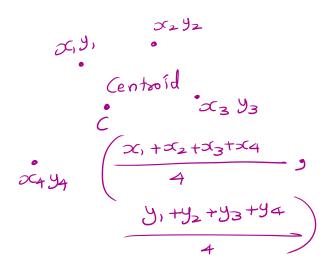
| S.No. | X1  | X2  | Х3 |
|-------|-----|-----|----|
| 1     | 100 | 234 | 20 |
| 2     | 203 | 450 | 60 |
| 3     | 95  | 250 | 24 |
| 4     | 240 | 500 | 70 |

$$\frac{A(x, y_1)}{J(A, B)} = \frac{B(x_2 y_2)}{(x_1 - x_2)^2 + (y_1 - y_2)^2}$$





| S.No. | X1 | X2 | Х3 |
|-------|----|----|----|
|       |    |    |    |

| S.No. | X1  | X2  | Х3  |
|-------|-----|-----|-----|
| 1     | 100 | 78  | 0.3 |
| 2     | 90  | 87  | 1.4 |
| 3     | 200 | 90  | 0.4 |
| 4     | 190 | 100 | 1.9 |

min

```
In [46]:
    ...: scaler = MinMaxScaler()
    ...: scaler.fit_transform(data)
array([[0.09090909, 0.
                   , 0.40909091, 0.6875
       [0.
                   , 0.54545455, 0.0625
                                             ],
]])
       [1.
       [0.90909091, 1.
```

$$d(1,3) = \sqrt{(100-90)^{2} + (78-87)^{2} + (0.3-1.4)^{2}}$$

$$(x-min)/(max-min)$$

$$100 (100-90)/(200-90) = 10/110$$

$$90 (90-90)/(200-90) = 0$$

$$200 (200-90)/(200-90) = 1$$

$$190 (190-90)/(200-90) = 100/110$$

$$min 90$$

$$max 200$$

