$$5D = \sqrt{\frac{2(x_1 - \overline{x})^2}{N}}$$

$$\sqrt{\frac{(1-5)^2 + (5-5)^2 + (4-5)^2 + (2-5)^2 + (4-5)^2 + (4-5)^2}{6}}$$

standardized Valve =
$$\frac{(X - \overline{X})}{5D}$$

$\cancel{\times}$

2. Calculate distance between x & y using Euclidean Distance

$$= \sqrt{(1-2)^2 + (2-1)^2 + (3-3)^2} \qquad = \sqrt{2} \qquad = \qquad 1414 \$$

3. Find Euclidean distance between 2

$$\sqrt{(1-0)^2-(0-1)^2} = 1.414$$

$$\sqrt{(1-0)^2+(0-2)^2}$$
 = 2.23

$$\sqrt{(1-0)^2 + (0-3)^2} = 3.16$$

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

$$(1-1)^2 + (0-2)^2 = 2$$

$$\sqrt{(1-1)^{\frac{1}{1}}(0.3)^{2}}$$
 = 3