$$m \sum_{i} x_{i}^{2} + c \sum_{i} x_{i} = \sum_{i} x_{i}y_{i}$$

$$m \sum_{i} x_{i} + p c = \sum_{i} y_{i}$$

$$m \sum_{i} x_{i} \sum_{i} x_{i}^{2} + c (\sum_{i} x_{i})^{2} = \sum_{i} x_{i} \sum_{i} x_{i}y_{i}$$

$$x \sum_{i} x_{i}^{2} + c \sum_{i} x_{i}^{2} + c (\sum_{i} x_{i})^{2} = \sum_{i} x_{i} \sum_{i} x_{i}y_{i}$$

$$x \sum_{i} x_{i}^{2} + c \sum_{i} x_{i}^{2} + c \sum_{i} x_{i}^{2} = \sum_{i} x_{i}^{2} + c \sum_{i} x_{i}^{2}$$

$$m n \sum x_i^2 + cn \sum x_i = n \sum x_i y_i$$

 $m(\sum x_i)^2 + cn \sum x_i = \sum x_i y_i \sum y_i$

$$m \left[n \sum_{i} x_{i}^{2} - (\sum_{i} x_{i})^{2} \right] = n \sum_{i} x_{i} y_{i} - \sum_{i} x_{i} \sum_{j} y_{j}$$

$$m = \frac{n \sum_{i} x_{i} y_{i} - \sum_{i} x_{i} \sum_{j} y_{i}}{n \sum_{i} x_{i}^{2} - (\sum_{i} x_{i})^{2}}$$

$$= \sum_{i} x_{i} y_{i}^{2} - n \sum_{i} \frac{\sum_{j} y_{i}}{n}$$

$$= \sum_{i} x_{i} y_{i} - n \sum_{i} \frac{\sum_{j} y_{i}}{n}$$

$$= \sum_{i} x_{i} y_{i} - n \sum_{i} \frac{\sum_{j} y_{i}}{n}$$

$$= \sum_{i} x_{i} y_{i} - n \sum_{i} \frac{\sum_{j} y_{i}}{n}$$

$$= \frac{n \sum_{j} y_{j} - \sum_{j} x_{i} y_{j}}{n \sum_{j} y_{j} - \sum_{j} x_{i} y_{j}}$$

$$\vdots \quad m = \frac{n \sum_{j} y_{j} - \sum_{j} x_{i} y_{j}}{n \sum_{j} y_{j} - \sum_{j} x_{j} y_{j}}$$

$$\vdots \quad m = \frac{n \sum_{j} y_{j} - \sum_{j} x_{j} y_{j}}{n \sum_{j} y_{j} - \sum_{j} x_{j} y_{j}}$$

$$m = \frac{Z}{Z}$$

$$C = \frac{\bar{y} \sum x_i^2 - \bar{z} \sum x_i y_i}{Z}$$

where,
$$z = n\bar{x}^2 - \sum x_i^2$$