$$\begin{aligned} & = \sum_{i=1}^{n} y_{i} \times_{i} - \frac{1}{n} \sum_{i=1}^{n} y_{i} \sum_{i=1}^{n} x_{i} - 0 \cdot 1 \left[\sum_{i=1}^{n} x_{i}^{2} - \frac{1}{n} \left(\sum_{i=1}^{n} x_{i} \right)^{2} \right] \\ & = \sum_{i=1}^{n} y_{i} \times_{i} - \frac{1}{n} \sum_{i=1}^{n} y_{i} \sum_{i=1}^{n} x_{i}^{2} - \frac{1}{n} \left[\sum_{i=1}^{n} x_{i}^{2} - \frac{1}{n} \left(\sum_{i=1}^{n} x_{i}^{2} \right)^{2} \right] \\ & = \sum_{i=1}^{n} \frac{1}{n} \sum_{i=1}^{n} \left[y_{i} - \left(0_{0} + 0_{1} x_{i} + 0_{2} x_{i}^{2} \right) \right]^{2} \\ & = \sum_{i=1}^{n} \frac{1}{n} \sum_{i=1}^{n} \left[y_{i} - \left(0_{0} + 0_{1} x_{i} + 0_{2} x_{i}^{2} \right) \right]^{2} \\ & = \sum_{i=1}^{n} \frac{1}{n} \sum_{i=1}^{n} y_{i} - \left(0_{0} + 0_{1} x_{i} + 0_{2} x_{i}^{2} \right) \right]^{2} \\ & = \sum_{i=1}^{n} y_{i} - \left(0_{0} + 0_{1} x_{i} + 0_{2} x_{i}^{2} \right) \right]^{2} \\ & = \sum_{i=1}^{n} y_{i} - \left(0_{0} + 0_{1} x_{i} + 0_{2} x_{i}^{2} \right) \\ & = \sum_{i=1}^{n} y_{i} - \sum_{i=1}^{n} y_{i} - \left(0_{0} + 0_{1} x_{i} + 0_{2} x_{i}^{2} \right) \\ & = \sum_{i=1}^{n} y_{i} - \sum_{i=1}^{n} y_{i} - \left(0_{0} + 0_{1} x_{i} + 0_{2} x_{i}^{2} \right) \\ & = \sum_{i=1}^{n} y_{i} - \sum_{i=1}^{n} y_{i} - \left(0_{0} + 0_{1} x_{i} + 0_{2} x_{i}^{2} \right) \\ & = \sum_{i=1}^{n} y_{i} - \sum_{i=1}^{n} y_{i} - \left(y_$$

$$= (Q_0 + Q_1 X_1^2 + Q_2 X_1^2))^2 = -2 \sum_{i=1}^{n} (y_i - (Q_0 + Q_1 X_1^2 + Q_2 X_1^2)) X_1^2$$

$$= > Q = \sum_{i=1}^{n} (y_i - (Q_0 + Q_1 X_1^2 + Q_2 X_1^2)) X_1^2$$

$$\Rightarrow > \sum_{i=1}^{n} [y_i X_i^2 = Q_0 X_1^2 + Q_1 X_1^3 + Q_1 X_1^4 + Q_2 X_1^4]$$