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A03
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Saturday, 12. October 2019 19:04

$$\hat{y} = a.x + b$$

$$M_1 = \left(\frac{Zx_i^2}{Zx_i} \frac{Zx_i}{u} \right), c = \left(\frac{a}{b} \right), d = \left(\frac{Zx_i \cdot y_i}{Zy_i} \right)$$

$$\begin{pmatrix}
\overline{2}\kappa_{i}^{2} & \overline{2}\kappa_{i} \\
\overline{2}\kappa_{i} & u
\end{pmatrix} \cdot \begin{pmatrix}
q \\
b
\end{pmatrix} = \begin{pmatrix}
\overline{2}\kappa_{i} \cdot q_{i} \\
\overline{2}q_{i}
\end{pmatrix} \cdot \begin{pmatrix}
\eta_{i} \\
\overline{2}\kappa_{i} \cdot q_{i}
\end{pmatrix} \cdot \begin{pmatrix}
\eta_{i} \\
\overline{2}\kappa_{i} \cdot q_{i}
\end{pmatrix}$$

$$\begin{pmatrix}
\alpha \\
b
\end{pmatrix} = \frac{1}{u \cdot \overline{2}\kappa_{i}^{2} \cdot (\overline{2}\kappa_{i})^{2}} \cdot \begin{pmatrix}
\overline{2}\kappa_{i} \cdot q_{i} \\
\overline{2}\kappa_{i} \cdot \overline{2}\kappa_{i}^{2}
\end{pmatrix} \cdot \begin{pmatrix}
\overline{2}\kappa_{i} \cdot q_{i} \\
\overline{2}q_{i}
\end{pmatrix} \cdot \begin{pmatrix}
\overline{2}\kappa_{i} \cdot q_{i}
\end{pmatrix}$$

$$A03: i$$

$$\begin{pmatrix} R \\ b \end{pmatrix} = \frac{1}{n \cdot \overline{Z} *_{i}^{2} - (\overline{Z} *_{i}^{2})^{2}} \cdot \begin{pmatrix} n \cdot \overline{Z} *_{i}^{2} \cdot q_{i}^{2} - \overline{Z} *_{i}^{2} \cdot \overline{Z} q_{i}^{2} \\ -\overline{Z} *_{i}^{2} \cdot \overline{Z} *_{i}^{2} \cdot q_{i}^{2} + \overline{Z} *_{i}^{2} \cdot \overline{Z} q_{i}^{2} \end{pmatrix}$$

$$x = 10 \cdot 11 \cdot 18 \quad y = 5 \cdot 7 \cdot 9$$

$$\frac{7}{2} \times 2 = 547 \quad \frac{7}{2} \times 9 = 289$$

$$\frac{7}{2} \times 1 = 19 \quad \frac{7}{2} \times 1 = 21$$

$$(\frac{7}{2} \times 1)^{2} = 1521$$

$$\hat{y} = 0.4211.x + 1.5263$$

$${\binom{a}{b}} = \frac{1}{3.545 - 1521} \cdot {\binom{5 \cdot 285 - 38 \cdot 21}{-39 \cdot 285 + 545 \cdot 21}}$$

$$\begin{pmatrix} 3 \\ L \end{pmatrix} = \frac{1}{119} \cdot \begin{pmatrix} 49 \\ 174 \end{pmatrix}$$

$$\begin{pmatrix} a \\ b \end{pmatrix} = \begin{pmatrix} \frac{68}{114} \\ \frac{179}{114} \end{pmatrix} = \begin{pmatrix} 0.4211 \\ 1.7263 \end{pmatrix}$$

