

$$\begin{array}{r} ??-0.08ms^{-1} \\ ??-0.12ms^{-1} \\ -0.27ms^{-1} \\ -0.014ms^{-1}-0.006ms^{-1} \\ -0.19ms^{-1}-0.10ms^{-1} \\ ?? \\ 2.5 \times \\ 2.5 \\ 0.995 \\ 1.9 \times \\ 1.9 \\ 0.25 \times \\ 0.75 \\ \times \\ 1.25 \times \\ 1.25 \end{array}$$

$$(1) \quad y = \beta_0 + \beta_1 x + \varepsilon$$

$$\beta = (X^T X)^{-1} X^T Y$$

$$t = \frac{\bar{x}_1 - \bar{x}_2}{s \sqrt{\frac{1}{n_1} + \frac{1}{n_2}}}$$

$$s = \sqrt{\frac{n_1\sigma_1^2 + n_2\sigma_2^2}{n_1 + n_2 - 2}}$$

(4) $\bar{x}_1 \bar{x}_2 \sigma_1$
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