(1)
$$V_{2} = \frac{\left(\frac{V_{1}}{V_{1}}\right)_{3}^{2} + \left(\frac{V_{2}}{V_{2}}\right)_{3}^{2}}{\left(\frac{V_{1}}{V_{1}}\right)_{3}^{2} + \left(\frac{V_{2}}{V_{2}}\right)_{3}^{2}}$$

$$\frac{\left(\frac{\Gamma_{1}^{2}}{h_{1}}\right)}{N_{1}-1} + \frac{\left(\frac{N_{2}}{h_{2}}\right)}{N_{2}-1} + \frac{\left(\frac{q_{1}2\eta}{h_{2}}\right)^{2}}{N_{2}-1} + \frac{\left(\frac{q_{1}2\eta}{q}\right)^{2}}{\sqrt{\frac{q_{1}2\eta}{q}}} + \frac{2l_{1}l_{2}^{2}}{\sqrt{\frac{q_{1}2\eta}{q}}}$$

$$N_{2}-9 \quad \overline{y} = b.78 \cdot S_{2} = 2l.5 \quad 8 \quad \overline{x}_{1}^{2} + \overline{x}_{2}^{2} + \frac{\left(\frac{2l_{1}l_{2}^{2}}{q}\right)^{2}}{8} + \frac{\left(\frac{2l_{1}l_{2}^{2}}{q}\right)^{2}}{8}$$

= 10.96 = 11.

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= 0.89 ± 2.201 × 7,7) = 0.89 ± 16.95 ET (-16.06, 17.84)

(2) 1-d=0-9·X素(N1-1)=X3005(8)=15-51. Xing (N1-1)=X30.43(8)=2.73

$$\left(\sqrt{\frac{8\times 9.20^{2}}{\chi^{2}_{0.05}(8)}}, \sqrt{\frac{6\times 9.20^{2}}{\chi^{2}_{0.01}(8)}}\right) = (6.66, 15.87)$$

(3) F = (n-1, n2-1) = Fo.05 (8.8) = 3.44

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=)
$$\left(\frac{9.20^2}{21.15^2} \times \frac{1}{3.44}, \frac{9.20^2}{21.15^2} \times \frac{1}{5.29}\right)$$

W5 HW A 6062302PO 存字軒

(1)
$$S = \int \frac{\sum (x_i - \overline{x})^2}{N - 1} = \int \frac{\sum x_i^2 - n\overline{x}^2}{b - 1}$$

$$= \sqrt{\frac{1784 - 6x1433^2}{5}} = \sqrt{10.38} = 3.22.$$

(2).
$$1-d = 0.9$$
 $\frac{d}{2} = 0.05$ $N-1=5$.

$$\chi^{2} \frac{d}{3} (h-1) = \chi^{3}_{0.05}(5) = (1.07)$$