

①

$$t_{0.025}(10) = 2.228$$

$$\alpha = 0.025, \quad V = (10)$$

②

$$t_{0.95}(8) = 1.86$$

$$\alpha = 0.95, \quad \therefore t_{0.95}(8) = -t_{0.05}(8)$$

③

$$\chi^2_{0.05}(12) = 21.03$$

④

$$\chi^2_{\alpha}(15) = 7.26, \quad \alpha = 0.95, \quad \alpha = 0.05$$

⑤

$$\chi^2_{0.95}(10) = 3.94$$

⑥

$$F_{0.05}(4, 8) = 3.69$$

⑦

$$F_{0.95}(0.7) = 1 - 3.87 = 0.13$$

$$F_{0.05}(6, 7) = 3.87$$

⑧

$$F_{\alpha}(1, 6) = 4.28$$