| S=  |
|---|
| 17. (1) X-10.05 =4.285  |
| $(2)$ $X + \frac{5}{10} t_{0.05}(4) = 4.46$   |
| e de la company |
| $[8. (D \overline{X} = 14.72, s^2 = 1.9065]$  |
| $\overline{X} - \frac{S}{In} t_{0.05} (n-1) = 14.2917$  |
| $X + \frac{s}{s} t_{0.05} c_{n-1} = 15.1483$  |
| M: (14,29, 15.14)   |
| $\frac{(n-1)\cdot S^2}{\chi^2_{0.05}(29)} = 1.2992$   |
| (1) 원호(1) 2 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1   |
| $\frac{(n-1)^2 s^2}{y^2 + (1)^2} = 3.1222 \qquad \sigma^2 : (1.2992, 3.1222)$   |
| $\frac{\frac{(h-1)\cdot S^{2}}{X^{\frac{1}{0}}.95^{(21)}} = 3.1222 \qquad \sigma^{2}: (1.2992, 3.1222)}{S. to.1(29) = 14.3895 \rightarrow T.}$  |
| X+ 5. to-1(29)= 15.0505 7E  |
| $(3) \stackrel{\Sigma}{\downarrow} (X_1 - \overline{X})^2$  |
| x <sub>0.1</sub> (29)   |
| $\frac{\sum_{i=1}^{n}(x_i-\overline{x})^2}{\sum_{i=1}^{n}(x_i-\overline{x})^2}=2\sqrt{979}\rightarrow \pm$  |
| X0.9 (29)   |
| $\frac{\sum_{i=1}^{n} (x_i - \overline{x})^2}{X_{0,q}^2 (2\eta)} = 2 \frac{7979}{4} \Rightarrow \pm \frac{1}{N} = \frac{N(0,1)}{\sqrt{16}} \sim N(0,1)$   |
| $u_{0.025} = 1.96$ , $C = \frac{\sigma}{10} \cdot u_{0.025} = 0.8765$   |
| X=3 .111],   X-30  > 0.8]6丁,在拒绝域  |
| 有明显差异   |

2.  $U = \frac{\overline{X} - 6.5}{6/\sqrt{14}} \sim N(0,1)$ ,  $C = \int_{\overline{K}}^{C} \cdot u_{0,025} = 0.143$   $\overline{X} = 6.48$ .  $|\overline{X} - 6.5| = 0.02 < 0.143$ ), 不在拒绝域 正常工作