6.19
$$1-\alpha = 0.95, \ z = 20.05 = 1.96$$

$$e = 0.01, \ s = 0.05$$

$$n = (\frac{245}{e}) = (\frac{1.96 \times 0.05}{0.01})^{2} = 96.04$$

$$n = 97$$

$$97-35 = 62$$

設此為新品牌省電燈泡 之平均豪命 n=12 X= (15000+15100+15000+15200+15300+15400) = 183500 = 15291.67 5= NE(XW-X) + (n-1) = 197,52 (1) M之黑的估計截又=15291.67 (2) 1-d=0.90, $\frac{d}{2}=0.05$ 自由度為n-1 =12-1=11 $t_{0.05}(11)=1.796$ $7.\pm t_{2}(n-1)\frac{5}{Nn}=15291.67\pm1.796\frac{197.52}{\sqrt{12}}$ =15291.67±102.41 (15189.26, 15394.08) 15394.08-15189.26=204.82