ODUCK, LEAH CHERLEY 1894 Z = 894+891+893 19-1319 MAT GAP 09/04/9097 E = 8 934 Standard deviation = 95 hours standard = 003 deviation mean = 1014hours cample - gobuller = 8 934 ± 9 1448 × 0 03 115 01 - 99% 4= \$\overline{\pi} t \tan, \alpha \frac{\sigma}{\tan} \frac{\sigma}{\tan}. = 8 95mm, 8. 917mm = t(20-1), x 8. Ho 4 = 1500hrs th 4 = 1500hrs = 19, 0.005 t(10-1, 0 095) t(9,0075) = 9.699 + 2.8609  $u = \overline{x} - t \times \underline{\sigma}$ = 1014 + 9.8609x 95 t = 2 - 46 5 4 ≈ 998.00, 1079 99 = 1410 - 1500 = -90 90 98.46 cample = 15 rads. 110 101 = 95% t = -3.9 u= x + tp-1, x) 5 We reject the null hypothesis that expected lightme of electric bulbs t(15-1), \$ 15 1500hrs. 14, 0.095. = 9.1448 7.1448

