```
a = \left(\frac{z_{\frac{\alpha}{2}}}{e}\right)^2 \times p(1-p)
                                                         14.
    n=10, x=13.63, 5=6,05
                                                          (1) N=15, X=1.73, 5=0,8
     n-1=9, 1-d=0,98, ==0.01
                                                              1-d=0,95
      XIt_{\frac{5}{2}(n-1)}\frac{5}{5n}=13,63It_{0,0}(9)\frac{6,05}{510}
                                                             t空(n-1)= to,のか(14)=2.145
                                                               1.73 I to,07 (14) 0,8
=1.73 I 2.145 x 0,8
=1.73 I 0.44
                          =13,63± 5,39
                       (8,24,19.02)
                                                                  (1,29,2.17)
  4. (1) n = 1200, \hat{p} = 0.33, 1 - \alpha = 0.98
                                                                  1,73 I to110 (14) 755
           0.33 工艺之后的
                                                                  = 1.73 ± 1.345 = 518
          = 0, 3 3 I 2, 327 X [0,33x0,6]
                                                                  =1.73 to.28
           =0,33±0,3
                                                                     (1.45,2.01)
           (0,30,0,36)
  (2) n = 820, \chi = 650, \hat{p} = \frac{650}{820} = 0.19
         1-d=0,95, ==0,025
           0.79 I 1,96 x Jo,79x0,21
         = 0,79 11,96 x 0,014
         = 0,79 ± 0,03
          (0,76,0.82)
```