```
(1) p= $0 = 0.56
   (2) \frac{7}{2} \frac{\sqrt{9(1-9)}}{\sqrt{100}} = \frac{20.025}{\sqrt{90}} \frac{0.06 \times 0.04}{\sqrt{90}} = 1.96 \times 0.06 = 0.12
 (3) $\frac{1}{2} \frac{1}{2} \
                                                                                              = 0.56 ±0.1 -> (0.46 ,0.66)
   P = 55 = 0.55, P = 60 = 0.6
(P, -P) 1 Z 2 P(1-P) + P. (1-P) = (0.55 - 0.6) + Z 0.02+ J 0.55 × 0.45 + 0.6×0.45
                                                                                                                                      =-0.05 t 0.14
                                                                                                                                    => (-0.19,0.09)
    21,
    (1) \beta = \frac{105}{250} = 0.42, 1 - \chi = 0.9 \frac{2}{2} = \frac{\chi}{2} = \frac{7}{2} = 0.05 = 1.645
     (2) e=0.03, 1-x=0.95 = = = = = = = 1.96
      Q. P=0.3, n=\left(\frac{1.96}{0.03}\right)^2(0.3)(0.7)=896.37 .: n=897
       b. \hat{p} = \frac{105}{210} = 0.42
                          n = (\frac{1.96}{0.03})^2 (0.42) (0.58) = 1039.79 = 1040 ... n = 1040
           C. P= 0.5
                               N = \left(\frac{1.96}{0.03}\right)^2 (0.5) (0.5) = 1069, |1| = 1068 \cdot n = 1068
```