(Ex, σ, σ, σ, ('σ), φ) = (σ), φ

 $M_0: O_0^2 = 0.0002$ 

Ba: 0-2>0-2

3<sup>2</sup> = 0,0003 N = 10

Q=0,05

MI GIND

 $\chi^{2} = (h-1)92 = 9 \cdot \left(\frac{0.0003}{0.0002}\right)$ 

 $= 9 \times 3$  2

 $\chi^2 = 2000 13.5$ 

 $p(\chi^2_{adof} \ge 13.5) = 0.141 \rightarrow p \text{ value}$ 

P<0,141 >0.05

(Sample is not problematic)

EX13

$$91^{2} - 0.0000$$

$$n_1 = 10$$
  $n_2 = 20$   
 $s_1^2 = 0.0003$   $s_2^2 = 0.0001$ 

Ho: 0,2 = 0,2 Ha: 0,2 >0,2

$$F = \frac{(n_1 - 1)s_1^2}{\sigma_1^2(n_1 - 1)} / \frac{(n_2 - 1)s_2^2}{\sigma_2^2(n_2 - 1)}$$

$$= 9,^{2} - 5,^{2} = 5,^{2} = 5,^{2} =$$

under No: 01=02

$$P(F \ge 3) = P(F_{q, q} \ge 3)$$

$$\frac{n_1-1,n_2-1}{dop} = \left(0.021 \Rightarrow p \text{ ratue}\right)$$

P=0,021 <0,08, we reject № 40 l acept

Ha at 5%. level, i.e sufficient inpo to indicate competitor how smaler variance E = (U'-1)2 = 1(U)-1)25, £ 0000-0 V9 C. 1200) = ( 0.0) 1.00 0.36 JERR 1091910 900 1000 - 10000 000