

In(L)= n. [log1 - log(5217. 6)]-1 (Exi-u)2  $\frac{2}{2} = \frac{1}{26^{2}} \left( \frac{2\pi}{2} \right)^{2} - \frac{1}{26^{2}} \left( \frac{2\pi}{2} \right)^{2}$   $\frac{2}{2} = \frac{1}{26^{2}} \left( \frac{2\pi}{2} \right) + \log 2\pi \left[ \frac{1}{26^{2}} \left( \frac{2\pi}{2} \right)^{2} \right]$ Now Taking deriventive W-r-t 522  $\frac{1}{2} \cdot \frac{1}{62} \times \frac{1}{263} + \frac{1}{263} \times \frac{1}{263} = 0$   $\frac{1}{2} \cdot \frac{1}{62} \times \frac{1}{263} = 0$ σ2 = 211-M

1) --- 11 17

Sr. No. \_\_\_

## Assignment Ours 2

$$\frac{dL}{d\rho} = \frac{\sum xi}{\rho} - \frac{(n^2 - \sum xi)}{(1-\rho)} = 0$$

$$\frac{2\pi i}{2\pi i} - \frac{2\pi i}{2\pi i} = \frac{-pn^2 - 2\pi i}{2\pi i}$$
  
 $\frac{2\pi i}{2\pi i} - \frac{2\pi i}{2\pi i} = \frac{-pn^2}{2\pi i}$ 

$$\sum x_i - \sum x_i \times p - n^2 p + \sum x_i \cdot p = 0$$

$$p = \sum x_i$$

$$n^2$$