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let X1, x2, x3	XU	be	the	sample of size 11
				0-5/01/04
[(x1, x2, x3 xn)	=	ξ (n,)	. f(n) f(nn)

PARAMETER EVALUATION

$$= \frac{\left(\frac{x_1-y}{2\sigma^2}\right)^2}{\sqrt{2N\sigma^2}} = \frac{\left(\frac{x_2-y}{2\sigma^2}\right)^2}{\sqrt{2N^2}}$$

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$$l_n(L) = -n l_n(2\pi\sigma^2) + \frac{n}{2}((n_L-y)^2) - 1$$

Taking partial derivatives w.r.t y on alon equation

$$\frac{\partial \ln(L)}{\partial \mu} = 0 + \frac{2}{2} - \left(2 \left(N_L - \mu\right)^2\right) = 0$$

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Taking	derivative	w.r.t	02 (of eq(1))	
0				

$$\frac{\partial \ln (1)}{\partial \hat{\sigma}^2} = \frac{-n}{2\sigma^2} + \frac{7}{4\pi} - \frac{(n_1 - 4)^2}{2\sigma^2} = 0$$

$$= -n + \frac{2}{2} - (n_1 - u)^2 = 0$$

$$\sigma^2 = \frac{1}{n} \left(\frac{2}{2} (n_L - \mu)^2 \right)$$

hence
$$0_2 = 1 \frac{2}{1} (x_1 - 4)^2$$

2. Binomial dustribution

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