

ô, = U = \( \int \) \( \times \  $\frac{d \log L(0_1,0_1)}{d o_1} = -m + \frac{\sum (x-o_1)^2}{2 o_2^2} = 0$ - mo, + & (7-01)2 = 0  $-r = 0 = 5, = (xi - \bar{x})^2$  $\frac{1}{2} = \frac{2}{2} = \frac{2}$ Let XI, X 2, ---- X m be a random samble from B(m, 0) distribution; where O E O = (0,i is unknown and pm is a known positive integer compute value of a using the  $m_{(\chi_i, 0)}(1-0)^{m-\chi_i} = B(m, 0)$ 1 (1-0)m-2; To compute log Likelihood Log L (0 | 2, --- 7m) = & Log (m) + 2, Log 0 (1-(10-11) log(1-0)

