2 (8 m) 8 (m) Ans) mean = 0, varienc = 02 (ni) f(ni) (ni, 01, 02) = 1 e = 0226 [27102 $L = f(m, \theta) \cdot j(m, \theta)$ $= \frac{1}{27182} n$ $\frac{\log L^2 - n \log 271 - n \log \theta_2 - z (n_i - \theta_i)^2}{2 \log 2}$ 芝(2-日1)20 $\frac{-\eta}{20^2} + \frac{2}{20^2} (ni - 0i)^2 = 0$ -n02+ Z(ni-81)2 20 02 = z(ni - 01)

82) B(m, 0) - n(m 0" (1-0) more , m=0,1,2... L(0) = 7 1/m; 0m; (1-0) -mi 1(0) - 0 = mi (1-0) = n (mi) (10)2 R 0 = (1-0) n2 = mi taking log! ln2(0) = lnk+ zmiln0+ h2- zmi) ln(1-0) $\frac{\int \ln (2\pi) L(\theta)}{\int \theta} = 0 + 2\pi i + (h^2 - 2\pi i) = 0$ $\frac{1}{2} \cdot \frac{1-\theta}{2\pi i} = \frac{\theta}{2\pi i} - \frac{1}{2\pi i}$ $\frac{1}{2\pi i} = \frac{\theta}{2\pi i}$ $\frac{1}{2\pi i} = \frac{\theta}{2\pi i}$ $\frac{1}{2\pi i} = \frac{1}{2\pi i}$ $\frac{1}{2\pi i} = \frac{1}{2\pi i}$ $\frac{1}{2\pi i} = \frac{1}{2\pi i}$