$(a) L(x_1 ... x_m | \theta) = \frac{m}{11} f(x_i; 1, \theta)$ = 11 d.e-xi $=\frac{1}{4}$ e $\frac{mx}{4}$ lon L = -m lond - mx $\frac{\partial \ln L}{\partial \Phi} = -\frac{m}{\Phi} + \frac{mx}{\Phi^2}$ (6)=0 si lim 1(6)=0 6) Feste also coral da ca $H(\overline{\Phi}) = H(\overline{\chi}) = H(x) = \Phi$ $B(\overline{\Phi}) = D(\overline{\chi}) = D(x)$ D(x) = D(x) = D(x) D(x) = D(x) = D(x) D(x) = D(x) = D(x) D(x) $(\overline{\Phi}) \circ (\overline{\Phi}) = (\overline{\Phi}) \circ (\overline{\Phi})$ $\mathcal{J}'(\Phi) = -H\left[\frac{\sqrt{3} \operatorname{Jul}(x^{1}|\Phi)}{\sqrt{3}}\right]^{2}$ 9 por = - + + + = = 2 por = + = - 5 x $H\left(\frac{\partial_{5}}{\sqrt{z}} - \frac{\partial_{3}}{5x}\right) = \frac{\partial_{5}}{\sqrt{z}} - \frac{\partial_{3}}{5}H\left(x\right) = \frac{\partial_{5}}{\sqrt{z}} - \frac{\partial_{3}}{\sqrt{z}} \cdot \Phi = -\frac{\partial_{5}}{\sqrt{z}}$ $G_{N}(\Phi) = \frac{1}{\Phi^{2}} \Rightarrow J_{m}(\Phi) = m \cdot J_{N}(\Phi) = \frac{1}{\Phi^{2}}$ $6 = \frac{\omega}{\omega} \cdot \frac{\omega}{\nabla s} = 1$ d) Ho: 0=2 Ho: 0=1