¢ng(γ,θ)= = {(-1,1)\{0}}+ = {(0}+ 10) 1= A[4] = Ing(30) dn= 52 ndn + 10.0+ (ln + 1-0,2=1-0 (ln 1= M[4]= = fx2/x + 1-0-2- = +2(1-0)=== N2=12-12=D[4]=2-50-0720-1= =1+3-02 B) 400 1. a) & OMM : Li 1,(0)= I, =x-> 1-0=x-> 0,=1-2 Coés Oflewell. MEO, 3-M[1-x]=1- \$[4]=1-1+0=0>m Coeman. D[0,7=D[1-x]=1D[4]->0/1->0 -> colmola no (Dy) 2010/17

 $L = \begin{pmatrix} \theta \\ \overline{2} \end{pmatrix}^{n-m_1-m_2} \begin{pmatrix} 1-\theta \\ \overline{2} \end{pmatrix}^{m_1+m_2}$ (23 Int = (n-m2-m2) ln = + (m2+m2) ln (50) (ln L) = 0=>h0-n+n,+n,=0=>0=1-2,-2 $(\ln L)^{1/2} = \frac{m_1 + m_2 - n}{\Theta^2} - \frac{m_1 + m_2}{(\Theta - 1)^2} - \frac{(m_1 + m_2 - n)(\Theta - 1)^2 - (m_1 + m_2)\Theta^2}{\Theta^2(\Theta n)^2}$ $-\frac{3}{4}\theta = 1 - 2\eta - 2\frac{3}{2} = \frac{(2\eta + 2)(2\eta + 2\eta - 1)}{|\eta|} = \frac{(2\eta + 2\eta - 1)}{|\eta|} = \frac{(2\eta + 2\eta - 1)^2}{|\eta|} = \frac{(2\eta$ => 0=1-2,-2-m. lane. => 6=1-2,-2 Drewell. ! MCG7=1-MED13-MCD27=1-1-0=0 Comosem. $(1-0)0 \rightarrow 0, n \rightarrow \infty \rightarrow comosem.$ 2[6,]= 2[0,+0,7 c) Topolepua mogenti na penguapuomo: 19(20) E Co ((0,1)) 2) $\frac{2}{20}$ $\int S(x, \theta) dx = \int_{0}^{2} S(x, \theta) dx(0) ka(0,1)$ $\int_{0}^{2} \frac{3}{9} \frac{(x, \theta)}{2} = \frac{1}{2} \int_{0}^{2} dx + \left(\frac{1-6}{2}\right) + \left(\frac{1-6}{2}\right) = 1 - \frac{1}{2} - \frac{1}{2} = 0$

3) I(0) & C(0,1), I(0) > 0 Na(0,1); 2 ln p(2,0) = = = (ln 0) = 1 $\frac{\partial \ln P_{g2}}{\partial \theta} = \frac{\partial}{\partial \theta} \cdot \left(\ln \left(\frac{1-\theta}{2} \right) \right) = \frac{1}{\theta-1}$ I(0)= \ \frac{1}{20} dn \ \frac{1}{(0-1)^2} \left(\frac{1-0}{2}\right)^2 \cdot \ \left(\frac{1-0}{2}\right)^2 \cdot \left(\frac{1-0}{2}\right)^2 \cdot \ \left(\frac{1-0}{2}\right)^2 \cdot \left(\frac{1-0}{2}\ri $= \frac{1}{0} + \frac{1}{1-0} = \frac{1}{0(1-6)} + \frac{6}{0} \cdot (0,1)$ >> llogello pergulapua $\widetilde{\Theta}_1 = 1 - \overline{x} - \text{relell.} \ \mathcal{D}[\widetilde{\Theta}_1] - \text{orp. na Viounaume}$ => 0, - perylelpha 0, =1-0, - newwerg. D[6,]-orphatians (g) (g) => 0, - perywapka => uenaloyque rep-leo sparrepa-Iao θ_2 : $\mathcal{D}[\theta_2] \ge \frac{1}{n \mathcal{D}(\theta)} = \frac{0(1-\theta)}{n}$ $\frac{0(1-0)}{n} > \frac{0(1-0)}{n} > no golayed$

27 0,- ne appenn.