Thumb. Z=xy, x+y-1=0 $P(x,y,\lambda) = xy + \lambda (x+y-1)$ $P(x,y,\lambda) = xy + \lambda (x+y-1)$ $P(x,y,\lambda) = xy + \lambda = 0$ $P(x,y,\lambda) = xy + \lambda = 0$ $= \begin{cases} y = -\lambda, \\ x = -\lambda, \\ -\lambda - \lambda - 1 = D \end{cases} \begin{cases} y = -\lambda, \\ x = -\lambda, \\ -2 = 1 \end{cases} \begin{cases} y = 1/2, \\ \lambda = -1/2, \\ \lambda = -1/2, \end{cases}$ $\mathcal{M}_{0}\left(\frac{1}{2},\frac{1}{2}\right)_{1}, \lambda_{0}=-1|_{2}$ $d^2P(M_0, \lambda) = \frac{32P}{32P}(M_0, \lambda_0) d^{2} + 2\frac{32P}{32P}(M_0, \lambda_0) d^{2} + 2\frac{32P}{32P}(M_$ + 320 (16, 10) dy = 2d xdy = 21-dy)dy (-20y2) $\frac{\partial^2 \mathcal{P}}{\partial x^2} = 0, \quad \frac{\partial^2 \mathcal{P}}{\partial x^2} (x_0, \beta_1, \lambda_0) = 0, \quad (7.16 - y_{CM})$ $\frac{\partial^2 \mathcal{P}}{\partial x^2} = 0, \quad \frac{\partial^2 \mathcal{P}}{\partial x^2} (x_0, \beta_1, \lambda_0) = 0, \quad (7.16 - y_{CM})$ $\frac{\partial^2 \mathcal{P}}{\partial x^2} = 0, \quad \frac{\partial^2 \mathcal{P}}{\partial x^2} (x_0, \beta_1, \lambda_0) = 0, \quad (7.16 - y_{CM})$ 345 = 0' 356 (xy h)=0'

$$g(x,y) = x+y-1 = 0$$
, $c(y)(x_0,y_0) = 0$

$$\frac{\partial g}{\partial x}(x_0,y_0) dx + \frac{\partial g}{\partial y}(x_0,y_0) dy = 0$$

$$\frac{\partial g}{\partial x} = 1$$

$$\frac{\partial g}{\partial x}(x_0,y_0) = 1$$