$$\frac{\partial}{\partial x} = h_{x}^{2} - y^{2} / \frac{\partial f}{\partial t} = -2xy + y + 2y^{2}$$

$$f(x,0) = h_{x}^{3} / f(0,y) = y^{2} + \frac{2y^{3}}{3}$$

$$\int 4x^{2} - y^{2} = 0 \qquad 4x^{2} - y^{2} = 0$$

$$\int -2xy + y + 2y^{2} = 0 \qquad y^{2} - 4x^{2} \implies y = -2x(2)$$

$$(1) - 2xy + y + 2y^{2} = 0$$
 $\rightarrow -2x(2x) + 2x + 2(2x)^{2} = 0$
 $\rightarrow -4x^{2} + 2x + 6x^{2} = 0$
 $\rightarrow +x^{2} + 2x = 2x(2x + 1) = 0$
 $\rightarrow x = 0$ on $x = -\frac{1}{2}$

$$\begin{array}{l} (i) -2xy + 2y^{2} = 0 \\ \Rightarrow -2x(-2x) + (-2x) + 2(-2x)^{2} = 0 \\ \Rightarrow 4x^{2} - 2x + 8x^{2} = 0 \\ \Rightarrow 12x^{2} - 2x = 0 \\ \Rightarrow -2x(-6x + 1) \\ \Rightarrow x = 0 \text{ an } x = \frac{1}{6} \end{array}$$

fage, temas ense Poutos Outros (0,0),(1/6)/3),(-1/1)

Det da matriz Hessiana. Temo, $\frac{\partial^2 f}{\partial x^2} = \delta x$, $\frac{\partial^2 f}{\partial y^2} = 1 - 2x - 4y$,

$$\frac{\partial^2 f}{\partial x^2} (x, y) = \partial x, \quad \frac{\partial^2 f}{\partial y^2} = -2x + 1 - 4y = -2x$$

$$yop_{\alpha} = matriz \text{ Herriana i}$$

$$H(x,y) = \begin{pmatrix} \delta x & -2y \\ -2y & -2x+14y \end{pmatrix}$$

Aplicando os pontos cutecos, termos

$$\frac{\partial^{2} b}{\partial x^{2}} \left(\frac{1}{2} \right)^{1} = -4$$

for (1/3) 1 (6,0) 200 porter de sela e (-1,1) é masimo læal.