$$a = \frac{l \cdot w}{\varphi}$$

PARTICIPACIÓN TRABAJADORES

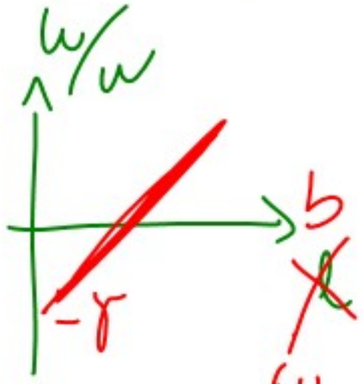
$$b = \frac{l}{m}$$

$$\varphi = MAX\left\{k_J, \frac{l}{\alpha}\right\}$$

$$\varphi = \frac{k}{\sigma} = l\alpha$$ OPTIMO

→ CAPITALISTAS: $(1-\alpha)\varphi = k$

$$\frac{\dot{a}}{a} = -\gamma + \theta b - \frac{\dot{\alpha}}{\alpha}$$



$$a = \frac{l w}{\varphi} = \frac{l w}{l \alpha}$$

$$a = \frac{w}{\alpha}$$

$$\frac{\dot{a}}{a} = \frac{\dot{w}}{w} - \frac{\dot{\alpha}}{\alpha}$$

$$\frac{\dot{w}}{w} = -\gamma + \theta b$$

$$b = \frac{l}{m} \qquad \frac{\dot{b}}{b} = \frac{\dot{l}}{l} - \frac{\dot{m}}{m} \Rightarrow \boxed{\frac{\dot{b}}{b} = \frac{(1-\alpha)}{\sigma} - \frac{\dot{\alpha}}{\alpha} - \frac{\dot{m}}{m}}$$

$$l = \frac{q}{\alpha} \qquad q = \frac{k}{\sigma} \rightarrow \dot{q} = \frac{\dot{k}}{\sigma} = \dot{q} = \frac{(1-\alpha)\,q}{\sigma}$$

$$\frac{\dot{l}}{l} = \frac{\dot{q}}{q} - \frac{\dot{\alpha}}{\alpha} = \frac{(1-\alpha)q}{\sigma q} - \frac{\dot{\alpha}}{\alpha} = \frac{(1-\alpha)}{\sigma} - \frac{\dot{\alpha}}{\alpha}$$

$$\frac{\dot{a}}{a} = -\gamma + \theta b - \frac{\dot{\alpha}}{\alpha}$$

$$\frac{\dot{b}}{b} = \frac{(1-\theta)}{\theta} - \frac{\dot{\alpha}}{\alpha} - \frac{\dot{m}}{m}$$

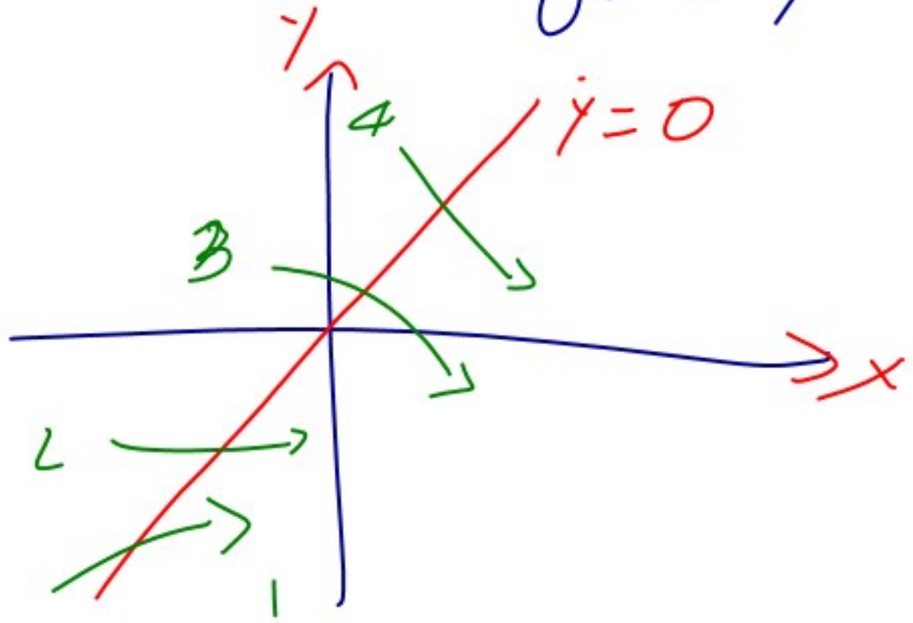
$$\dot{a} = a\left(-\gamma + \theta b - \frac{\dot{\alpha}}{\alpha}\right)$$

$$\dot{x} = f(x,y)$$
$$\dot{y} = g(x,y)$$

$$0 = f(x,y)$$
$$0 = g(x,y)$$

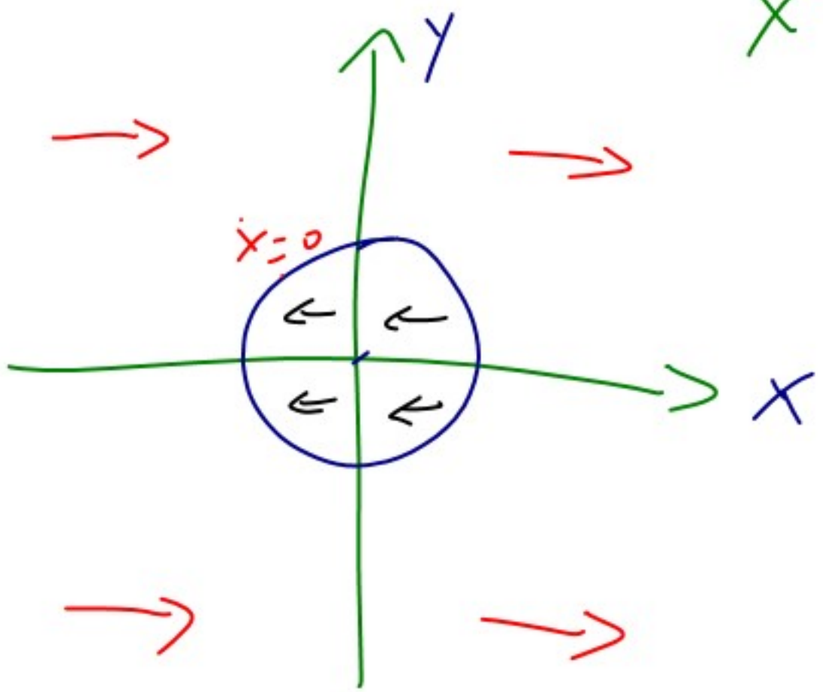
$$\dot{x} = 2x - y$$

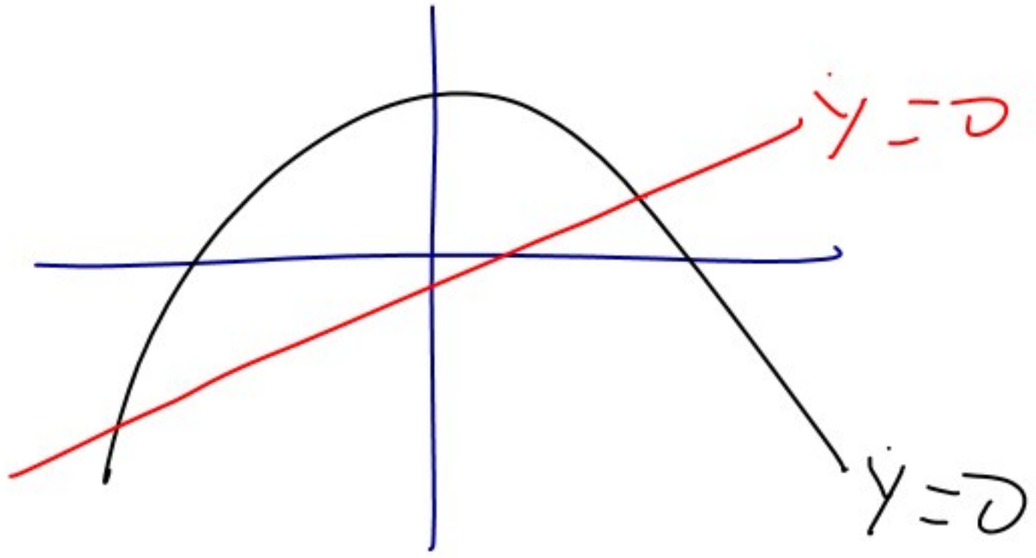
$\dot{x} = 0 \Rightarrow y = 2x$

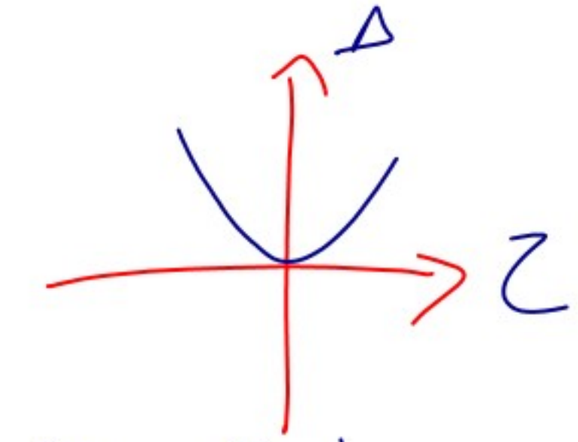


$$\dot{x} = x^2 + y^2 - 1$$

$$\dot{x} = 0 = x^2 + y^2 - 1$$







$$\begin{pmatrix} 3 & 5 \\ 2 & 2 \end{pmatrix}$$

$$\dot{x} = 3x + 5y$$

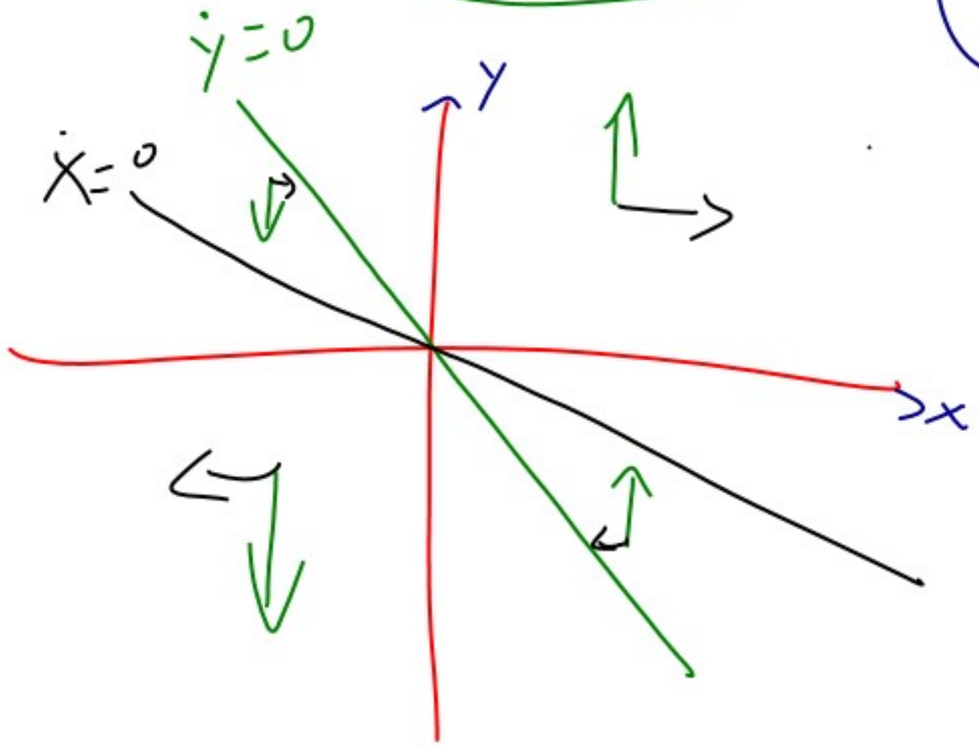
$$\dot{y} = 2x + 2y$$

$$\dot{x} = 0 = 3x + 5y$$

$$\dot{y} = 0 = 2x + 2y$$

$$y = \frac{-3x}{5}$$

$$y = -x$$



$$\hat{a} = \frac{\dot{a}}{a} \simeq \frac{a_{t+1} - a_t}{a_t} = \frac{\Delta a_t}{a_t}$$

$$c = ab \qquad \hat{c} = \hat{a} + \hat{b}$$

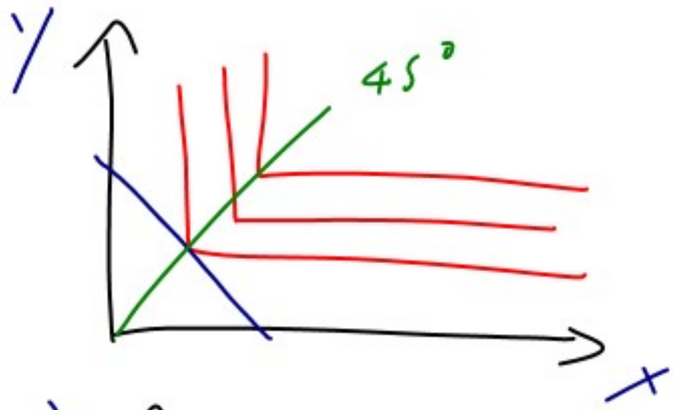
$$d = \frac{a}{b} \qquad \hat{d} = \hat{a} - \hat{b}$$

$$\dot{d} = \frac{\dot{a}}{b} - \frac{\dot{b}a}{b^2}$$

$$\frac{\dot{d}}{d} = \frac{\dot{a}}{b} \cdot \frac{b}{a} - \frac{\dot{b}a}{b^2} \cdot \frac{b}{a}$$

$$= \frac{\dot{a}}{a} - \frac{\dot{b}}{b}$$

$$f = \max\{x, y\}$$



$$f = \max\{\alpha x, \beta y + c\}$$

Si: $\alpha x \geq c$

$\alpha x = \beta y + c$

$$y = \frac{\alpha}{\beta} x - \frac{c}{\beta}$$