MERCADO BIENES:

* BIEN 0: I_0

> COBB-DOUGLAS: $C[0,0] = \alpha_0 I_0$

I_1: $C[1,0] = \alpha_1 I_1$

OFERTA: $VF[0] = \varphi_0 \cdot P_0$

$$0 = \varphi_0 P_0 - \alpha_0 I_0 - \alpha_1 I_1$$

$I_0 = ?$ $I_1 = ?$

$I_0 = sh[0] + gkh[0] = Sh[0] + r \cdot K_0$

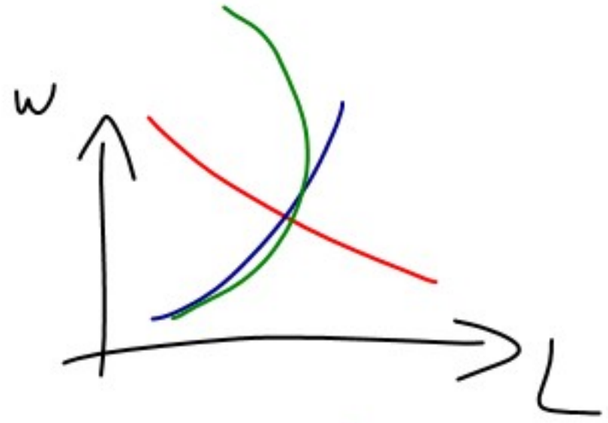
$K_0 = 2$

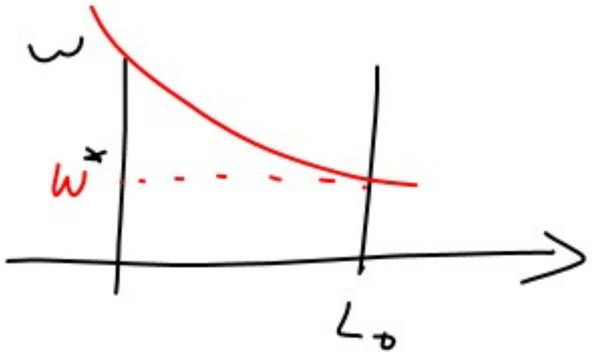
TRABA; O:

$L_0 = 2$
$L_1 = 3$

① OFERTA INEL.

② DEMANDA INEL.





$$f = K^{\beta} L^{\alpha}$$

$$\max_{\{C,Z\}} \; u(C, Z) \quad \text{s.a.} \quad pC = w(T - Z)$$

$$\min_{\{K,L\}} \; -(rK + wL) \quad \text{s.a.} \quad q = f(K, L)$$

$$\begin{cases} L_d = q^{\frac{1}{\alpha+\beta}} \left(\frac{r}{w} \cdot \frac{\alpha}{\beta} \right)^{\frac{\beta}{\alpha+\beta}} \\ K_d = q^{\frac{1}{\alpha+\beta}} \left(\frac{r}{w} \frac{\alpha}{\beta} \right)^{-\frac{\alpha}{\alpha+\beta}} \end{cases}$$

CAPITALES: $K_0 = 3$ $\quad K_{-}d\phi = y_0^{\frac{1}{\alpha_0+\beta_0}} \left(\frac{r}{w} \cdot \frac{\alpha_0}{\beta_0} \right)^{-\frac{\alpha_0}{\alpha+\beta_0}}$

$K_1 = 4$ $\quad K_{-}d1$

ECUACIÓN TRABAJO

w, r, y_0, y_1 $\quad 0 = L_0 + L_1 - L_{-}d\phi(r, w, y_0) - L_{-}d1(r, w, y_1)$

EC. CAPITAL

w, r, y_0, y_1 $\quad 0 = K_0 + K_1 - K_{-}d\phi(r, w, y_0) - K_{-}d1(r, w, y_1)$

$$\max_{\{y\}} Pf - CT(y)$$

$$P = CMg(y) = \frac{\partial CT(y)}{\partial y}$$

$$P_0 = \underline{1} = CMg_0(y_0, w, r)$$

$$P_1 = CMg_1(y_1, w, r)$$

: FIRMA 0 $\quad 1 = p_0 = CMg_0(w, r, y_0)$

FIRMA 1 $\quad p_1 = CMg_1(w, r, y_1)$

TRABAJO

$w, r, y_0, y_1 \quad 0 = L_0 + L_1 - L\_d0(r, w, y_0) - L\_d1(r, w, y_1)$

CAPITAL

$w, r, y_0, y_1 \quad 0 = K_0 + K_1 - K\_d0(r, w, y_0) - K\_d1(r, w, y_1)$

BIEN 1

$r, w, y_1, p_1 \quad 0 = y_1 - \left[(1-\alpha_1)(wL_1 + rK_1) + (1-\alpha_0)(wL_0 + rK_0) \right] / p_1$