

3 MARZO 2018 PI ABICORIA

$$A \rightarrow U_A = \ln C_A^2 \quad \bar{L}_A = 1$$

$$B \rightarrow U_B = \ln^2 C_B \quad \bar{L}_B = 1$$

$$f_c(L) = 2L^{1/2}$$

CADA CONSUMIDOR DUEÑO
1/2 EMPRESA

a) Def UNA ASIGNACION FACTIBLE T.Q.

NO EXISTA OTRA ASIGNACION FACTIBLE

Q' LA PARETO DOMINE.

Q' TODO INDIVIDUO ESTE IGUAL O
MEJOR

Y TODO INDIVIDUO UNICAMENTE MESSOR

Y AL MENOS UN INDIVIDUO ESTE ESTRUCTURALMENTE MESSOR.

a) $\textcircled{2}$ $\text{MAX}_{h_B, C_B, h_A, C_A, L} h_B^2 C_B$ s.t. $\textcircled{1}$ NADIE EMPEORE:
 $h_A C_A \geq \bar{U}_A$

$\textcircled{2}$ FACTIBLE.

$$h_B + h_A + L \leq Z = \bar{L}_A + \bar{L}_B$$

$$\underbrace{C_A + C_B}_{\text{DEMANDA}} \leq \underbrace{Z L^{1/2}}_{\text{OFERTA}}$$

b) UN EQ ES $(\bar{h}_A, \bar{C}_A, \bar{h}_B, \bar{C}_B, \bar{L})$; (P_C^*, W^*) T.G.

$\textcircled{1}$ FIRMAS MAXIMIZAN:

$$L^* = \text{ARG MAX } \Pi = \underbrace{Z L^{1/2}} \cdot P_C^* - L W^*$$

$$L^* = \text{ARG MAX}_L \Pi = \underbrace{2L^{1/2}}_{\text{CANTIDAD}} \cdot P_C - LW$$

(2) CONSUMIDORES MAXIMIZAN:

$$(A) (h_A^*, c_A^*) \text{ ARG MAX}_{h_A, c_A} h_A c_A^2 \quad \text{s.t.} \quad P_C c_A + \bar{w} h_A \leq \bar{w} \cdot L + \frac{1}{2} \Pi^*$$

$$(B) (h_B^*, c_B^*) \text{ ARG MAX}_{h_B, c_B} h_B^2 c_B \quad \text{s.t.} \quad P_C c_B + \bar{w} h_B \leq \bar{w} \cdot L + \frac{1}{2} \Pi^*$$

(3) MEZCLADOS YACIEN:

$$h_A^* + h_B^* + L^* = \bar{L}_A + \bar{L}_B = \bar{L}$$

$$c_A^* + c_B^* = 2(L^*)^{1/2}$$

(C) $\Pi = 2L^{1/2} P_C - WL$
CFO
 1/2 :-

CTU

$$L^{-1/2} P_c - w = 0$$

$$L^{-1/2} = \frac{w}{P_c}$$

$$L^{1/2} = \frac{P_c}{w}$$

$$L^{\pi} = \left(\frac{P_c}{w} \right)^2$$

$$\pi^{\pi} = z \left(\left(\frac{P_c}{w} \right)^2 \right)^{1/2} P_c - w \left(\frac{P_c}{w} \right)^2$$

$$\pi = z \left(\frac{P_c^2}{w} \right) -$$

