$\{c\{A, b, \dots\}\}$  SITVACIONES FACTIOLISS:  $i \in I$   $(=X_i^{\xi} = Dis)$ (=XE DISPONIBLE) PE LANETO CED JECE I. XA XA

A ES UN ÓPTIMO DE PARETO CED HE FACTIONE G NO ES MEJOMAMIENTO PANETO LESP. A

## PRIMER JEONEMA SIENESTAR

ANTES: Equilionis WALLASIANO

$$(X_{i}^{*}, X_{i}^{*}, ..., X_{I}^{*}, Y_{i}^{*}, ..., X_{J}^{*}, P^{*})$$
 $(X_{i}^{*}, X_{i}^{*}, ..., X_{I}^{*}, Y_{i}^{*}, ..., X_{J}^{*}, P^{*})$ 
 $(X_{i}^{*}, X_{i}^{*}, ..., X_{I}^{*}, Y_{i}^{*}, ..., X_{J}^{*}, P^{*})$ 
 $(X_{i}^{*}, X_{i}^{*}, ..., X_{I}^{*}, Y_{i}^{*}, ..., X_{J}^{*}, P^{*})$ 
 $(X_{i}^{*}, X_{i}^{*}, ..., X_{I}^{*}, Y_{i}^{*}, P^{*})$ 
 $(X_{i}^{*}, X_{i}^{*}, ..., X_{I}^{*}, Y_{i}^{*}, ..., X_{J}^{*}, P^{*})$ 
 $(X_{i}^{*}, X_{i}^{*}, ..., X_{J}^{*}, Y_{i}^{*}, ..., Y_{J}^{*}, Y_{i}^{*}, ..., Y_{J}^{*}, P^{*})$ 
 $(X_{i}^{*}, X_{i}^{*}, ..., X_{J}^{*}, Y_{i}^{*}, ..., Y_{J}^{*}, Y_{i}^{*}, ..., Y_{J}^{*}, Y_{i}^{*}, ..., Y_{J}^{*}, Y_{i}^{*}, Y_{i}^{*}, Y_{i}^{*}, Y_{i}^{*}, Y_{i}^{*}, Y_{i$ 

EJEM(LD  

$$4$$
 AGENTES  $\{1,2,3,4\}=I$   $(M_1,M_2,M_3,M_4)$   
OPCIONES FACTIOCES:  $A = (S,1,1,1)$   
NICIAL FINAL  
 $A \times X \times X$   
 $S \times X \times X \times C = (3,1,1,S)$ 

) - (2, 2, 1, 5)

OLIGOPOLIO.

1) (OURNOT (4)

3 BERTRAND (P)

(3) STA-CKELDERG (L, 5)

(1) J PRODUCTORES:

 $\forall j \in J$ : MAX P(4; + = 4), - C.4;(4) P(4; + = 4)+

C. P.O. P(4; + \subset; \fu) + P'(4; + \subset; \fu) \fi; = C

MAX P(4).4 - C(4) PODER DE MERCADO MAX P.f - ((4) P'(4) f + P(4) = C'(4)

$$P(4, + \leq q_L) + \Gamma'(4, + \leq q_L) = \leq$$



