

P1)

	L	R
U	a, b	c, d
D	e, f	o, o

a) $U \notin D$. $e > a$ $o > c$

b) (U, L) no EIED

i) $a > e$, $c > o$, $b > d$

ii) $b > d$, $f > o$ $a > e$.

c) (U, L) EN único.

c.1) $BR_1(L) = U$, $BR_2(U) = L$

$$a \geq e, \quad b \geq d$$

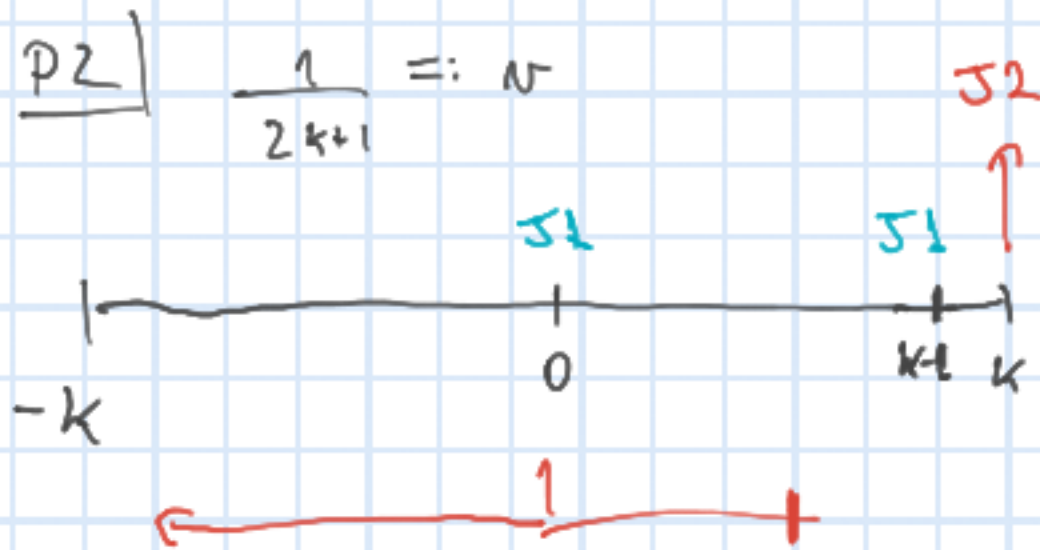
c.2) No: $BR_1(L) = D$, $BR_2(D) = L$

No: $e \geq a$ $\wedge$ $f \geq o$

;

$$(e < a \vee f < o)$$

c.3) : (Seguir analógicamente).



a) Dominated?

$$0 \geq_{J1} k$$

Utilidades

$$J_2 = k$$

$$k \rightarrow \frac{1}{2}, 0 \rightarrow v_0 > \frac{1}{2}$$

$$J_2 = k-1$$

$$k \rightarrow \frac{1}{2k+1}, 0 \rightarrow v_0 > \frac{1}{2}$$

$$\forall J_2 \neq 0 \quad U_1(0, J_2) > \frac{1}{2} \geq U(k, J_2)$$

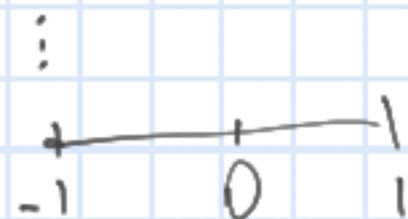
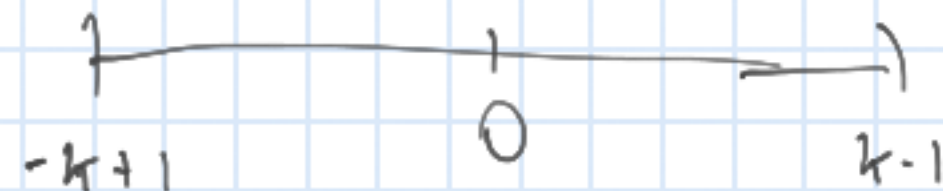
$$J_2 = 0 \quad U_1(0, J_2) = \frac{1}{2} > U(k, J_2) //$$

$$0 \geq_{J1} -k$$

$k-1$ dominated?

No! //

b) EIEED



0

Sol $(0,0)$ EN.

$$\begin{array}{l} (0,1) \\ (1,0) \text{ No} \\ (-1,0) \text{ No} \\ (0,-1) \end{array}$$

c) $J_2 > 0, BR_1(J_2) = J_2 - 1$

$J_2 < 0, BR_1(J_2) = J_2 + 1$

Todos EN dominados EIEED. //

PS) $S_i = \{a, b\}$ $f(A) > T(A)$

a) $f^{\text{ev}} : [0, 1] \rightarrow \{a, b\}$

$\forall i \quad f(i) \in \text{Argmax} \{i - T(A), -f(A)\}$

$A = \int 1_{\{f(i)=A\}} dx$

b) $i=1 \quad -T(A) > -f(A) \quad \forall A > 0$

$-T(0) = -f(0)$

$-T(A) \geq -f(A) \quad \forall A \geq 0$

$1 - T(A) > -f(A) \quad \forall A \geq 0$

$i > 0 \quad i - T(A) > -f(A) \quad \forall A \geq 0$

$\forall i > 0 \quad a \geq b \quad \Rightarrow \quad \forall i > 0 \quad N_i^* = a$

$\Rightarrow A=1$

$\Rightarrow i=0 \quad 0 - T(1) > -f(1)$

$\Rightarrow N_0 = a$

$\Rightarrow \text{EIEED} \rightarrow N_i^* = a \quad \forall N.$

$\Rightarrow$ EIEED is unique.

c) $\max_{0 \leq c \leq 1} \int_c^1 i - T(1-c) di + c(-f(1-c))$
 $U(c)$

$U'(0) > 0$

$U(c) = \frac{1}{2} (1-c^2) - T(1-c)(1-c) - c f(1-c)$

$U'(c) = -c - [-T'(1-c)(1-c) - T(1-c)] - [f(1-c) - cf'(1-c)]$

$U'(0) = T'(1) + T(1) - f(1) > 0$

$T'(1) > f(1) - T(1)$