

DEF (EN)

$a^* \in \text{UN EN}$

IN UN GIOCO $\langle N, A, U_i \rangle$

MANCANZA DI INCENTIVO
UNILATERALE A DEVIARE

DALLA PROPRIA
COMPONENTE DEL
PROFILLO STRATEGICO

$\forall a_i \in A_i$
 $\forall i \in N$



$a_i^* \in D_i$

GIOCATORI
RAZIONALI

2 DOMEN



IN

a_i^*

4 DOMEN

$U_i(a_i^*) \geq U_i(s_i, D_{-i})$

EN =
 a^*

↓
ASSENZA DI INCENTIVO UNILATERALE A DEVIARE
DAL PROFILO DI AZIONI

$$U_1(a_1^*, a_{-1}^*) \geq U_1(a_1, a_{-1}^*) \quad \forall a_1 \in X_1$$

Vien

STATO STAZIONARIO

" SOCIALE "
" CONVENZIONI "

OSSERVAZIONI SU EN

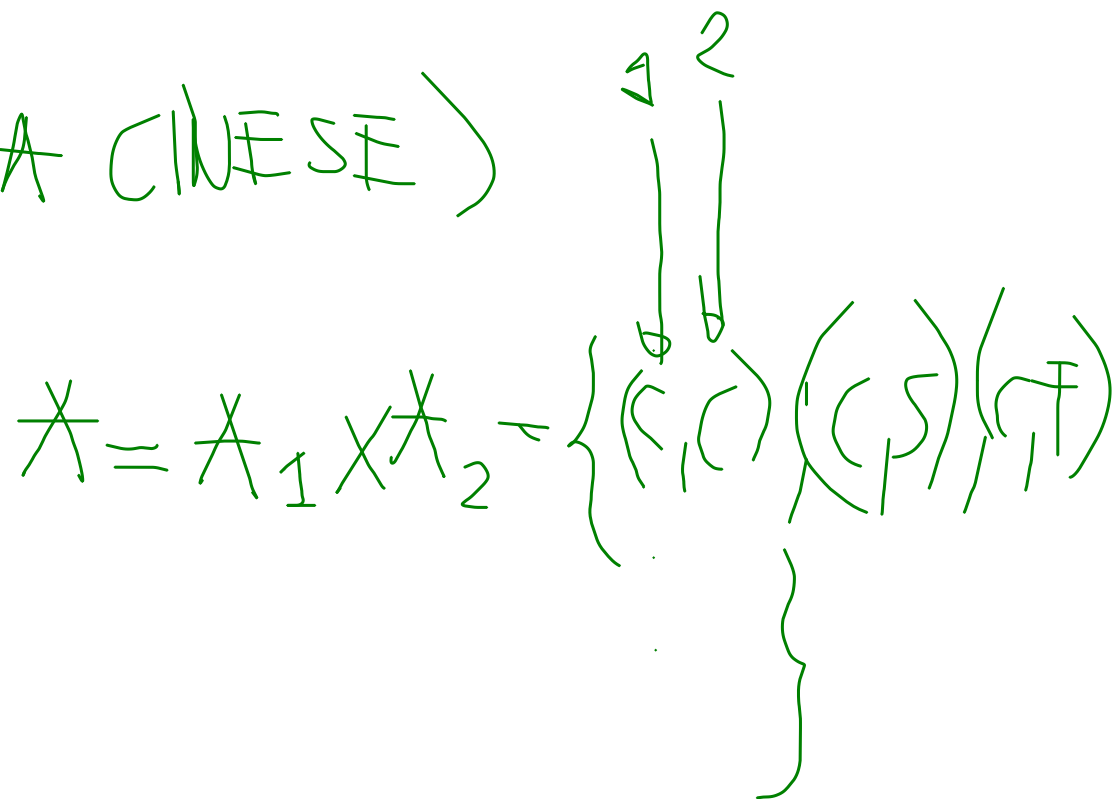
1) LA DEFINIZIONE NON GARANTISCE L'ESISTENZA DI UN EN

ESEMPIO (MORRA CINESE)

a) $N=2$

b) $X_i = \{S, C, \# \}$ $i=1,2$

c) U_i



3) U_1 $U_1(c, \#)$

$U_2(c, c)$

~~$(c, \#)$~~

$U_1(c, c) = 0$

	C	#	S
I	0, 0	0, 1	1, 0
F	1, 0	0, 0	0, 1
S	0, 1	1, 0	0, 0

$U_2(c, \#)$

NO!
XCT#?
XCT#

MATRICE

DEI

PAYOFF

~~(c, c)~~ E UN#?

NO!
XCT#?

NON ESISTE EN

XCT#

2) LA DEFINIZIONE NON GARANTISCE UNICITA'

∃ EN?
SI. QUANTI? 2
QUALI

ES $V_I(B, S) = 2$

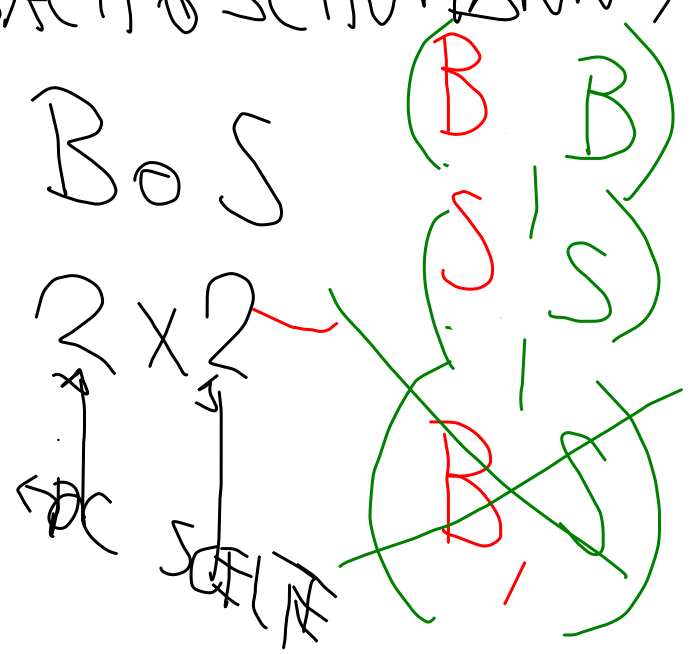
BATTAGLIA DEI SESSI (BACH o SCHUMANN)

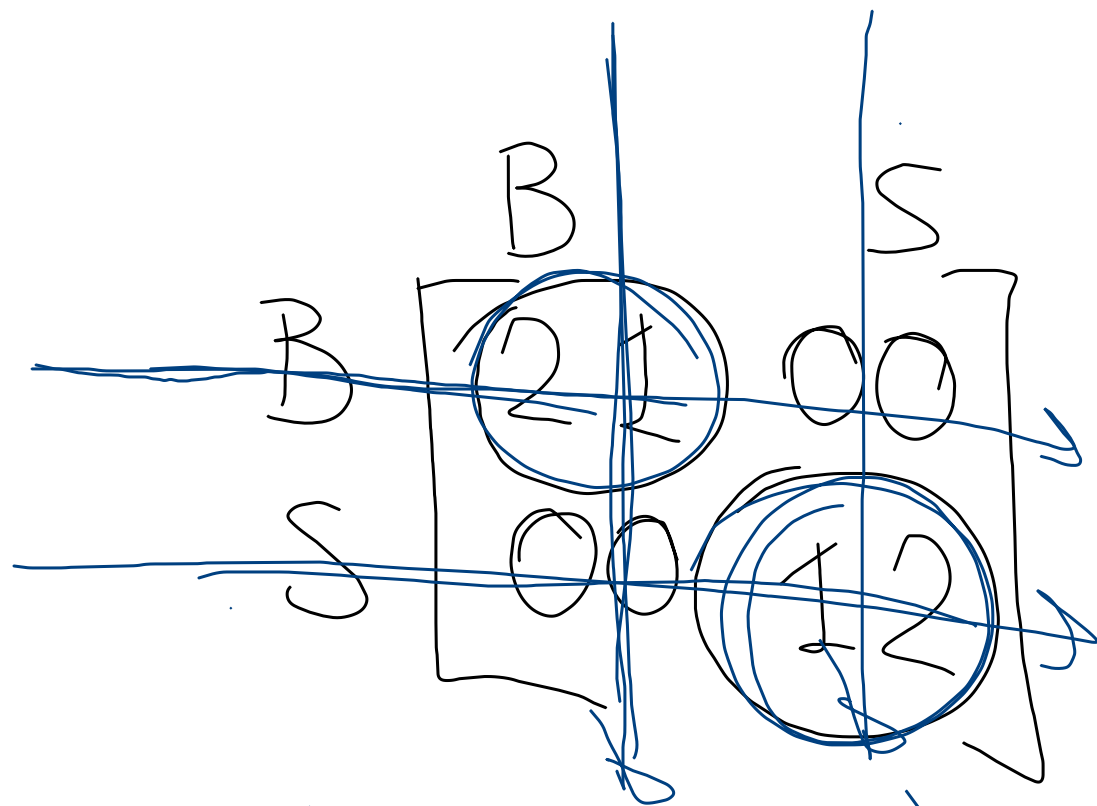
1) $N = 2$ ($\{B, S\}$, $\{B, S\}$)

2) $X_i = \{B, S\}$

(LUI) I

		II (LUI)	
		B	S
(LUI) I	B	2 1	0 0
	S	0 0	1 2





COORDINAMENTO

3) EN PUÒ ESSERE UNICO MA INEFFICACE
IN SENSO PARETIANO

DILEMMA PRISON

	C	D
C	2 2	0 3
D	3 0	1 1

A handwritten payoff matrix for a Prisoner's Dilemma. The matrix is enclosed in a blue square. The top row is labeled 'C' and the bottom row is labeled 'D'. The left column is labeled 'C' and the right column is labeled 'D'. The payoffs are written as pairs of numbers. The cell (C,C) contains '2 2', (C,D) contains '0 3', (D,C) contains '3 0', and (D,D) contains '1 1'. Two red circles highlight the (C,C) and (D,D) cells. A red arrow points from the (D,D) cell to the (C,C) cell. A red 'J' is written below the (D,D) cell. A blue checkmark is drawn to the left of the matrix.