(i)

FIRST CROSEN CONDITION IS Du= Jp je[0,M], T, 7=0
SET pT=1, W.O.L.G.

$$\left(\frac{P(k)}{P(k)}\right)^{2} = \frac{q(k)}{q(k)} \implies f(k) = f(k)\left(\frac{P(k)}{P(k)}\right)^{2} \iff f(k) = f(k)\left(\frac{P(k)}{P(k)}\right)^{2} \iff f(k) = f(k)\left(\frac{P(k)}{P(k)}\right)^{2} \iff f(k) = f(k)\left(\frac{P(k)}{P(k)}\right)^{2} \iff f(k) = f(k) = f(k)\left(\frac{P(k)}{P(k)}\right)^{2} \iff f(k) = f(k) = f(k)\left(\frac{P(k)}{P(k)}\right)^{2} \iff f(k) = f(k) = f(k) = f(k)$$

$$= \int_{-\infty}^{MT} + T = \omega$$

$$= \int_{-\infty}^{\infty} T^* = (1-\omega)\omega$$

$$= \sqrt{2^*(i)} = \mathbb{P}^{5-1}p(i)^{-5} MW \qquad \left(c.f. \text{ FUSITA + THISSE} \right)$$

PICIETY, IF KCLO, MJ MEASURE ZERO AND PIKHOTR THEN JX++ 11 MSO SOLES THE STRICTEY, IF KC[O,M] MEASURE CONSUMBLES PHOBLEM.

PROFITS FOR FIRM of ARE

$$T = P(g) g(g) - A - Bg(g)$$
 $T = (P(g) - B) g(g) - A$

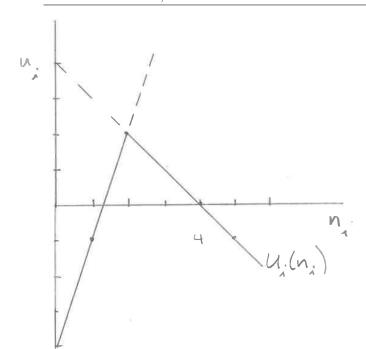
From (a)

 $T = (P(g) - B) mw P(g) - A$
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 $T = (P(g) - B) mw P(g) - A$
 $T =$



HERE, UNILIER F.T ON ERUGNAN, WAGE IS EXOGENERS, SO WE CALL GIVE SET ZEMO ENTRU CAMPINAL TO HOLD IF PARAMETERS HAPPEN TO SAMSFI (F3),

- (B) SER RAI (I) ARUE THO IS CONSTANT MANK-UP BEYOND MANGINA COST (= 13)
- ENPOSENIZMO THE WAGE,



(a) C, 1, 2, 3, 4, 5 PEOPLE CHEPSE LICEAI.

IF O PEOPLE CHOOSE UNISAI, THEN EVENUE GETS U=0
AID UNLATERA DEMANTORS ALLOW U(1)=-1, SU M=0 IS
NIASH.

UND DEVIATED TO MON-UNGAL GETS O. TITO IS MOT A TESTIMATED TO URRAN GETS O. TITO IS MOT A TESTIMATED TO URRAN GETS O. TITO A NOT A RATIONAL DEVIATION.

URRAN GETS U. (5) = -1, AND NOT A RATIONAL DEVIATION.

EQUIC.

IF N & \{ 1. 5} THEN U = -1 < U SO DEMATINIS
TO NON-URBAN AND TRATIQUE.

URTSAN

(Z)

GIVES PA-IUFF $U_i(z)=1>U_i$, SO $U_i=2$ IS

NOT NASH.

AND DEVIATIONS FIREM URBAN GIVE U=0 < 1= 4(3).

F) STRATEGIES S.T. N=3 AND NASH.

THIS, STRIMESIES, AUR MASH (=) 4 & 30, 3, 413

(b) Fen MIXED STUMEGIES, EACH AGENT CHESES PSE (0,1)

WE CAN USE THIS TO WRITE PENANT THE PHOBAGLITIS

OF FACH CONFIGURATION.

N	PreB	4 (4;)
0	(1-9)5	-4
1	P(1-P)4	
2	P2(1-P)3	Z
3	P3(1-P)Z	1
4	P4(1-P)	0
5	25	- (

For THE RUMPOSE OF CARCULATING MIXED EQUIL,
UE NEED TO KNOW THE EFECT ON PATOPS OF
CHANGING P FOR CHE ASSET, HOLDING OTHERS FIXED
AT 9'.

3)

P', THEN WHAT WE CAM ABOUT IS THE PISPUBLITION OF FRENCH FUSE'S MORES. LET M' PENOTE HOR PLAISES, II, CHESSING WASAIN THEN

$$P(1-p)^{4}$$
 $P(1-p)^{3}$
 $P(1-p)^{3}$
 $P(1-p)^{3}$
 $P^{2}(1-p)^{3}$
 $P^{3}(1-p)$
 P^{4}

THEN, IF 1 CHOSES P', $E(TT_1) = (1-p') \cdot O + (1 \text{ is purply})$ $P'[-1(1-p)^4 + 2(1-p)^3p + 1(1-p)^2p^2 + O \cdot (1-p)p^3 - 1p^4]$ $+ O \cdot (1-p)p^3 - 1p^4]$ (*)

WE MEED TO FIND P' SUCH THAT

WHERE THE SECOND CONDITION IS BIC WE'VE RESTURTED ATTENTION TO SIMMERIK EQUIL.

THE INISPECTIAL OF (*) WE NEED THE EXPRESSIAL IN BRACKETS

TO BE ZERO, SO WE WILL NEED TO CHOSE P

SO THAT IT IS A ZERO OF THIS LITH ONDER PRYNUMBE.

=) EXPECT AS MANN AS 4 ROOTS.

- (4)
- (C) THE RAMETO OFTIME OFFICENTED ME NEZZ, 33

 FOR FOTHER UPBAI POPULATION, THERE IS NO WANT TO MAKE ONE PENSON BETTER W/O MAKING ANOTHER WASE.
- (d) WE MEED $n_1+n_2 \leq 5$. (i) $(n_1,n_2) \in \left\{(0,0),(0,1),(4,0)\right\}$ ALE ALL MASH. IN THESE EQUIL, EXERTIMIE GETS U.
 - (2) (MI, MZ) E {(Z,3), (3.Z)}

 HENCE THE URBAI RA-LUFF IS POSITIVE, SO

 NO WIRE MOVES TO RURAL. NO CNIE WAYS

 TO MUKE FROM THE SMAL TO THE TSIS CITI,

 THIS IS SMICRY WAYSE. MAING FROM SIMPLE CITI

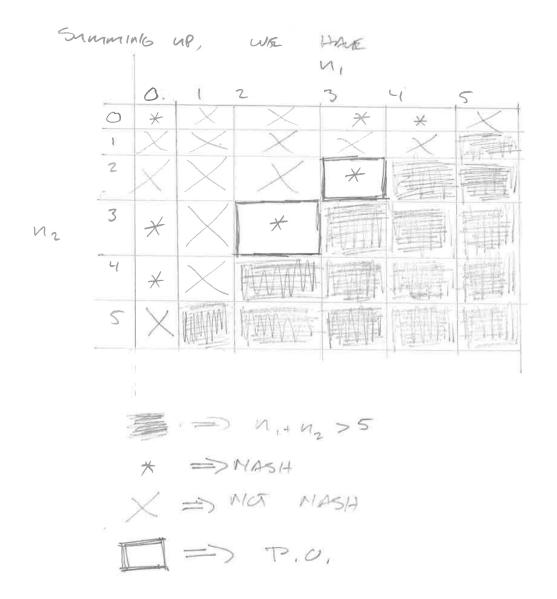
 TO TSIG TOES MOT CHANGE RA-LUFF FOR MANGEMENTAL

 AGENT.
 - (3) NO CUTCOME WITH N. E EI, 53 IS NIGHT Ble COR AGENT CAN PENATE TO RUMA FOR
 - (4) NO CUTCOME N= 2 IS AN EQUILITSRIUM
 UNICESS N+15=5, CHIERWISE RURA
 AGENTS WILL DEVIATE
 - (5) (n, ,n2) & \(\frac{3}{6}(0,3),(3,0)\) AUR AUSO FOURL.

 UNBAI RESIDENTS PORT WANT TO MUR, AND

 RURA AGENTS WHO MOUR TO THE CAT! AUG.

 1+10 IFFENETT.



THEREFORE, NASH EQUIL IS CONSISTENT WITH

TWO CITIES OF ABOUT OBTIME SIZE AND AN

EMPTY CONFREYSIDE, CM WITH CHE CITY LANGE

THAN OBTIME WITH I ON Z STILL THERE.

(e) ADDING ANOTHER CITI WOULD NOT QUARITATIVECY CHANGER
THE EQUILIBRIUM ATTOMES, IT WOULD JUST
CREATE INDESTERMINIARY ABOUT WHICH IS CITIES
AND OCCUPIED. THO SEEMS SPECIAL TO THE
CASE N=5.