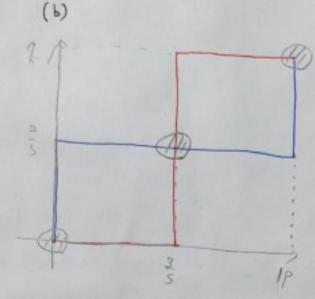
- 1. (T)
- 2. (F)
- 3. (T)
- 4. (F)
- S. (T)
- 6. FN 0 S (P) 0 3,2 0,0
 - (4) 5 0,0 2,3
- (a) 1 U=(0:1)=3++0×(1-1)=31
- N=(2: +)= ++0+5(1-1) = 5-54
- $BR_{F}(q) = \begin{cases} q > \frac{2}{5}, P = 1 \\ q = \frac{2}{5}, O < P < 1 \\ q < \frac{2}{5}, P = 0 \end{cases}$
- Un(03P)=2p+0x(1-p) = 2p
- Um (5:1) = (+p)x0+3(1-p) = 3-3p

BRM(p) = Sp>3/5, 9=1	. ,	[b>3 q=1
1=3,0<2<1	BRM(p) =	71.2
1P<3, 7=0		1-3,06561



:. Nosh equilibria => (p=1, q=0), (p=0, q=1) (p=3, q=2)

					1	01	
	72.	A	B		C	0	
6	W	3.0	0,3	4	2	5,0	
900	X	1,0	2,0	-2	3	3.5	
	Y	0,3	4.2	2,	1	2 1.	
-	2	1,0	1,1	1,	0	10,0	
		All Comments					

player 1's rationalizable stategy set

(w, Y)

player 2's rationalizable stategy set

(A, B)

8t. 1	A	B
×	2,2	1,1
Y	1,1	1,1

player 1's X strategy is

veatly dominates player 1's

Y strategy whatever player

2 chases, Also, player 2's

A strategy is weakly dominates

player 2's B strategy. So,

(X, A) is a dominant strategy

equilibrium.

Menulaile, when player 2' chure

A, player 1's best response

is X and when player 2

chuse B, then player 1's

best response are X, Y.

Bullen player 1 chuse X,

player 2's best response

is A, when player 15

Chuse Y, then player

2's best response one

18 A and B.

So, the equilibrium about these strategies, so culled labora equilibrium equilibrium are like (X, A), (Y, B) and this result include dominant strategy equilibrium like (X, A).

Si, this poecise premise is correct.

Dorinant Stategy - Nowh

941

is 25, and marginal cost = 15.

A, both firms set some price like 25.

They got profit some divide by 2 hecause of homogeneous product like this.

s) when they get same price p=25

$$\pi = \frac{25 \times 120 - 15 \times 120}{2} = 600$$
 (each firm)

they have no invention to set more higher than 25.

But if firm i set little lower but above than

marginal cost like 24, then firm i dominates

market like

W TT = 24x120 - 15x120 = 1080

Ti = 0

so, they have incentive to set price little lower

than other player so, finally they set price

2 like this , and this is Nash equilibrium.

str. $P_i^* = P_j^* = 15$. (= marginal cost)

San

the

(b) if each firm is is set ther price like $P_i = 18$, $P_j = 18$.

and then, each firm has no invention to move price higher or lower because when firm it want to get lower price like 17, then also firm its price match that price because it is guaranted.

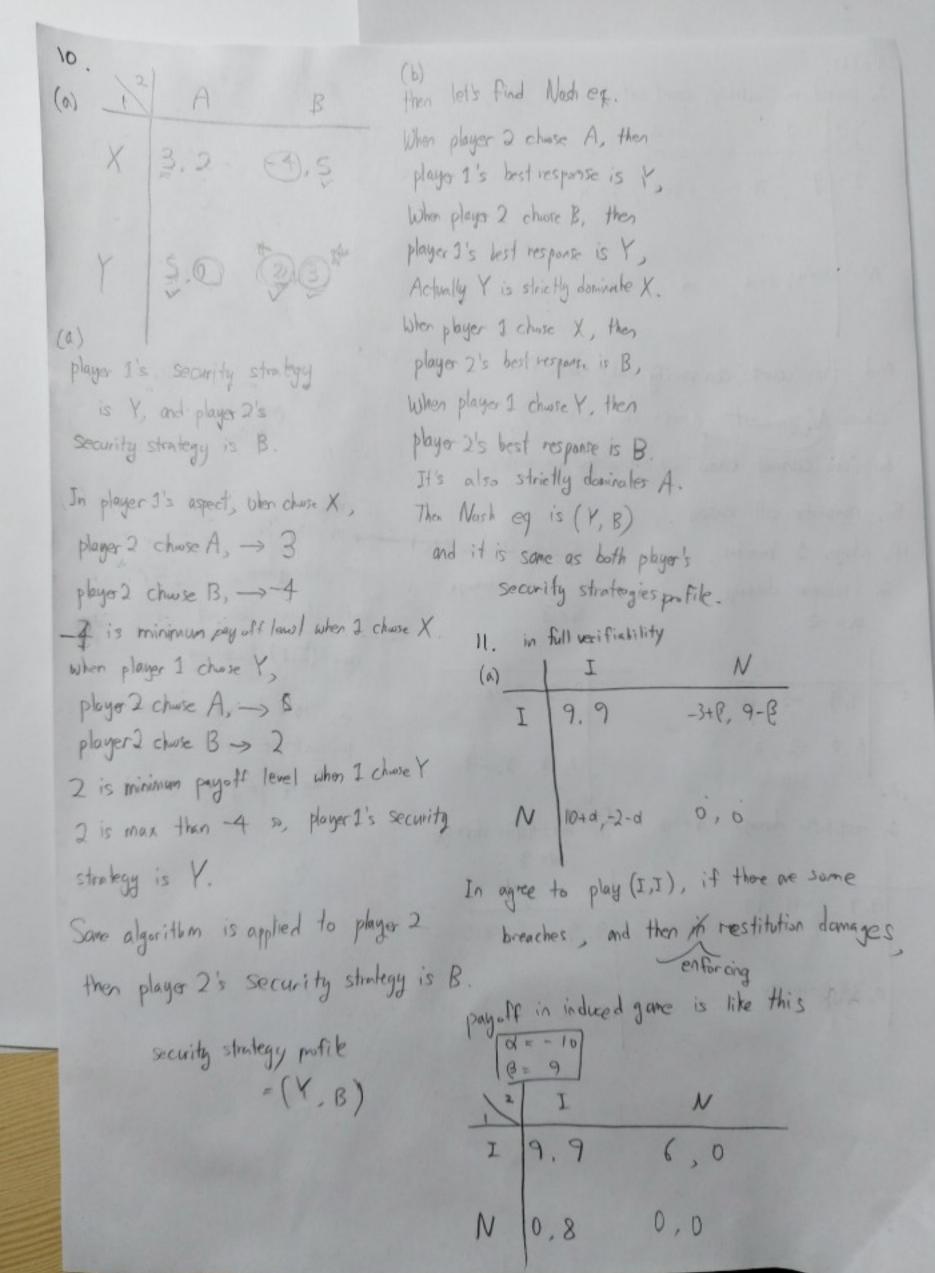
So, if they get same price in range $15 \le p \le 25$, then all these things are Nash equilibrians.

(16, 16) (25, 25)

(c) In that result in (b),
they want to set price both 2s,
because it is customer's willingness
to pay and that's value is make
both firm's profit to maximized.

so they set price like this in reality

P* = 25



11-(6). In limited verifiability, court set game like this, I /9, 9 -3+d, 9-d N 10+a, -2-d d, -d and then court can verify only both firm Chuse N. on tot (each firm chose N). but firm cannot know which player chose N. So, consider all cases. if, player 1 breaches, if player 2 breaches in reliance damage in reliance dumage d = 3d = -2 9,9 0,6 9,9 -5 11 8,0 -2,2 13,-5 3,-3 in restitution damage d=-10 in restitution domage Q= 9 9,9 -13 19 9,9 6,0 0,8 -10,10 19,-11 9,-9

in all game,
both player do not
have (I,I) Nash eq.

So, there is not contract
no contract that
induces play of (I,I)