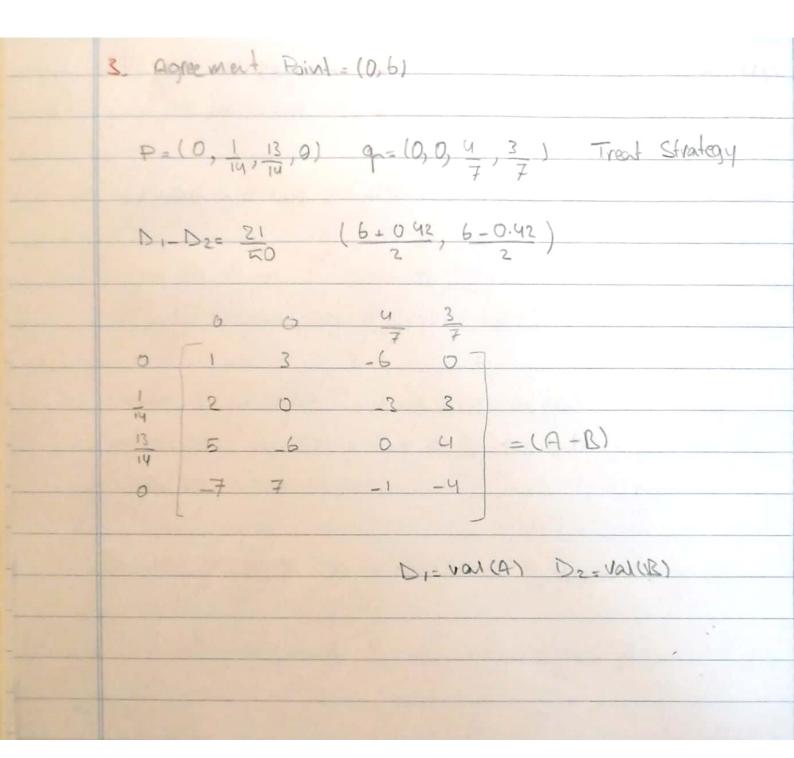
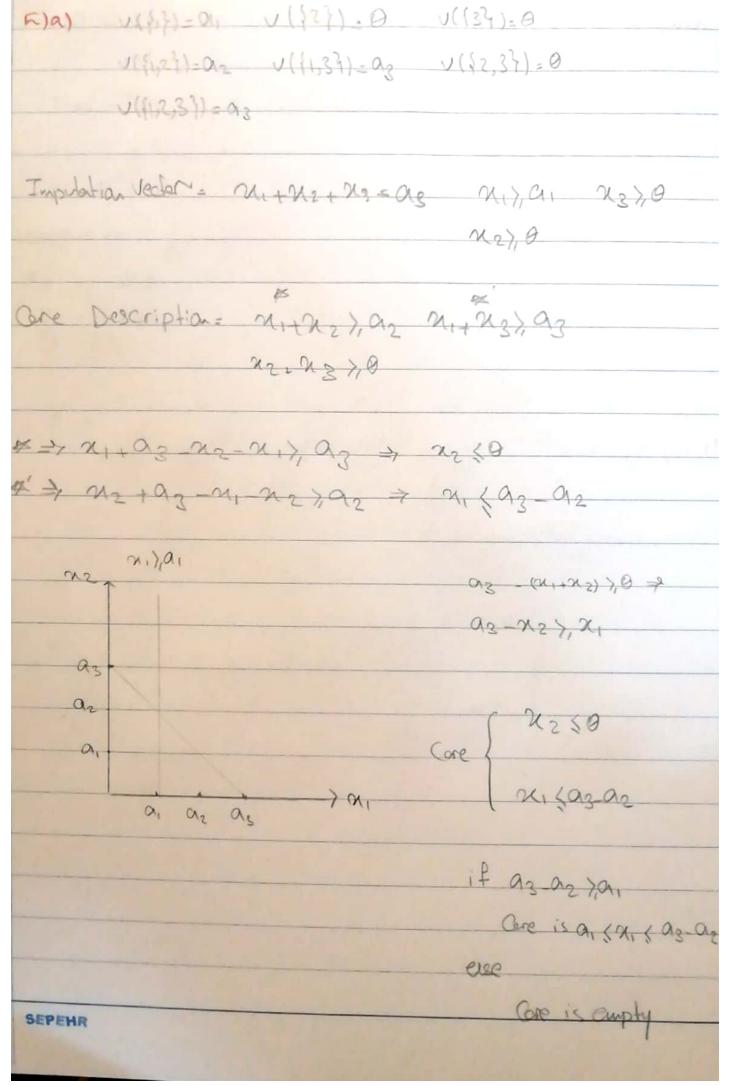
26) Find a k such that the following precedure yields
the morrison amount of payoff for each player.
The Morning and a popular
randomly chause is agents and label as "ON",
From all of the 2" strategies, (2) of them gets the probability
of 1 and the other is equal to 0.
(x)
Thorefore, for an agent i, it gods labeled as nown K of the times and recieves you (K-1) and is labeled as no FFn n-k of the
and recieves you (K-1) and is labeled as nOFFI not the
times are recieves MOFF(K).
+ the proper k has to marrimize k non(k-1), n-k noff(k).
= x* - argman Kx uon (k-1) + n-kuopp (k)
Finding K* takes o(n) and the rest can be done in pely (n).

(the chave that they get picked)	12.
However, if the referee chooses exactly six and send and rest to B: each get 1.	them to
->titic nat CNEI.	

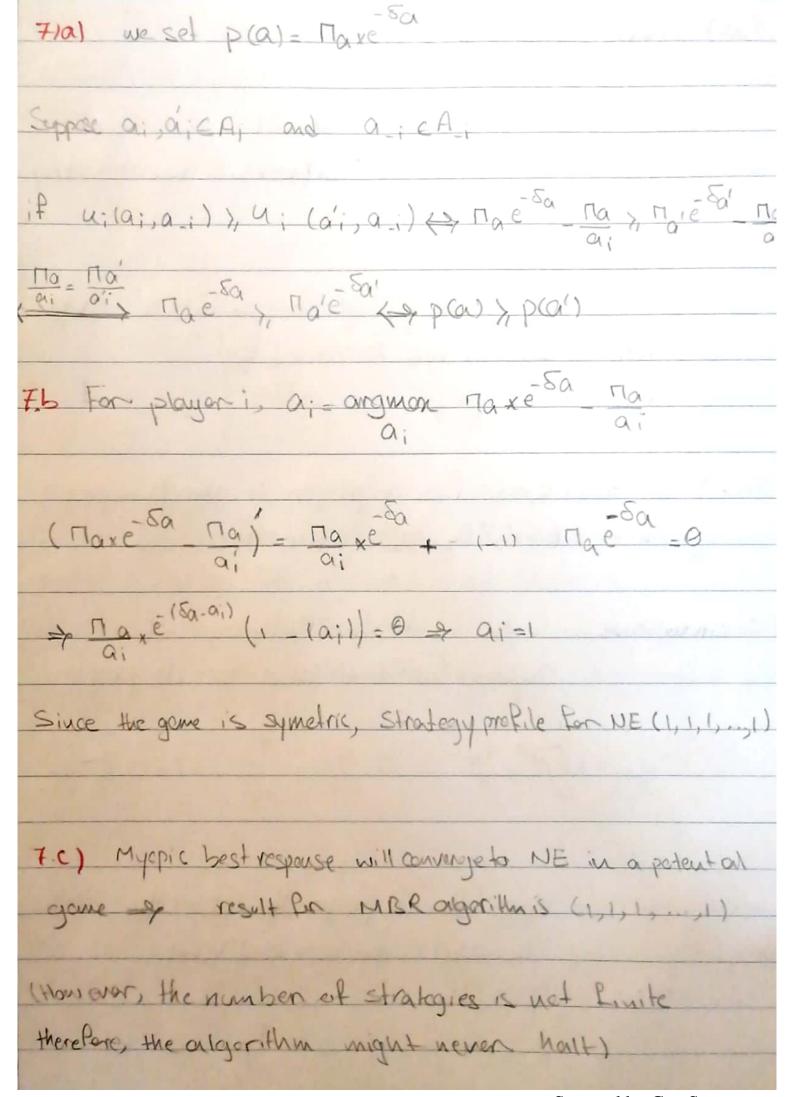


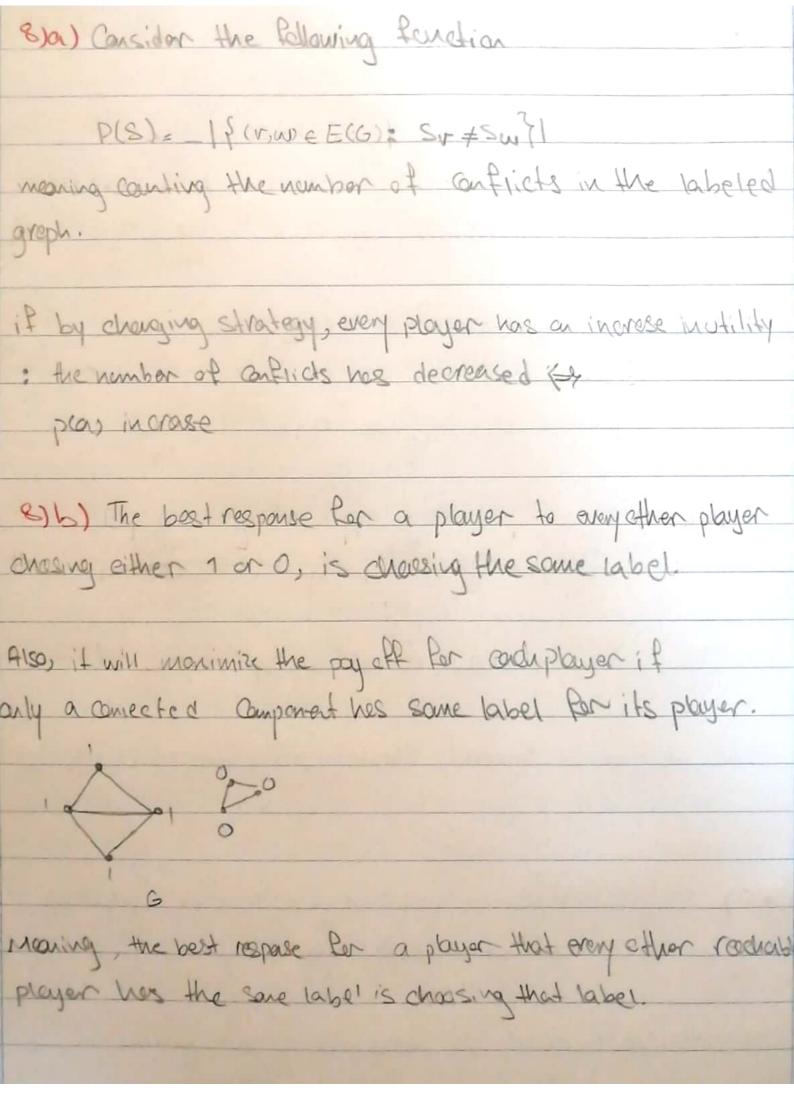
$(4-a)y=4-x^2$ arg mon $(y)(x)=arg man (4-x^2)(x)$
$f(x) = ux \cdot x^3 + f(x) - \theta - y \cdot y - 3x^2 - \theta$ $+ x = \frac{1}{2}$
$\frac{1}{\sqrt{2}} = \frac{1}{\sqrt{3}}$ $\frac{1}{\sqrt{3}} = \frac{1}{\sqrt{3}}$ $\frac{1}{\sqrt{3}} = \frac{1}{\sqrt{3}}$ $\frac{1}{\sqrt{3}} = \frac{1}{\sqrt{3}}$
$\frac{\sqrt{3}}{\sqrt{3}}, \frac{8}{3}$ $\frac{\sqrt{3}}{\sqrt{3}}$ $\frac{\sqrt{3}}{\sqrt{3}}$ $\frac{\sqrt{3}}{\sqrt{3}}$ $\frac{\sqrt{3}}{\sqrt{3}}$
a.b) y=u-x² oregmon (y=1)(x)  Another way of looking al 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$
7-8

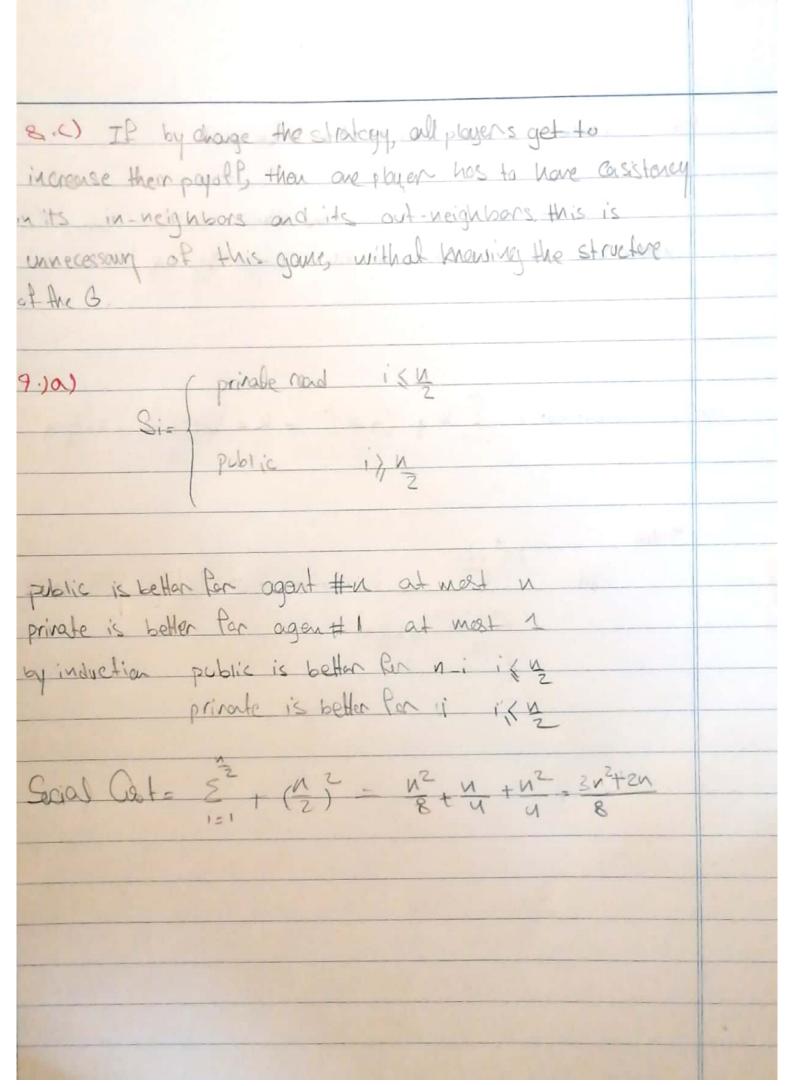


5)5	Permublia	1	2	3	And
	123	9	30	10	
	132	0	0	0	
Land View	213	30	6	10	
	231	40		0	
	312	40	0	0	
	321	40	0	0	(412)
	Shaplay	25	П	10	
	Since N2>0	- Stople	y is no	Fin Con	2
				211	

6)a) V	(S) = -	E C p re shortest porth cxc	+ E   Juding S				V( \{2, \(2\) = -1 V( \{2, \(2\) \} = -1
6)b)		A	B	C			
	ARC	-1	+2	Ŧ			
	ACB	-1	9	0			
	BAC	2.		7			
	RCA	2	-1	7			
Landa,	CAB		9	9		1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	
	CBA	2	6	9			
Shople	value	3/2	Ч	7 2			
Charles !							
					CANAL PARTY		
	THE						







b. Gargnal Social Cast = S: (N-151)
the previous strategy is po since no other conlition con decrease their east by changing their strategy.
SNE > PO
min Social Cot = $\sum_{i=1}^{K} i + (n-k)^2 = k = \frac{2n-\frac{1}{2}}{3} \times \frac{2n}{3}$
$\frac{800}{P_0A} = \frac{3N+2N}{8}$
$\frac{(\frac{2}{3}N)(\frac{2}{3}N+1)}{(\frac{2}{3}N+1)} + (\frac{2}{3}N)$