TELSOLO MAS

Lecture 8: Non-cooperative game theory

Exercise: Dymnetric games 1

Question 1

a) For each of flese payoff
natures identify
i, pure strategy North of,
ii) P to optimal autcomes
iii) Masimal social outcome

Pore strategy Nach eg:

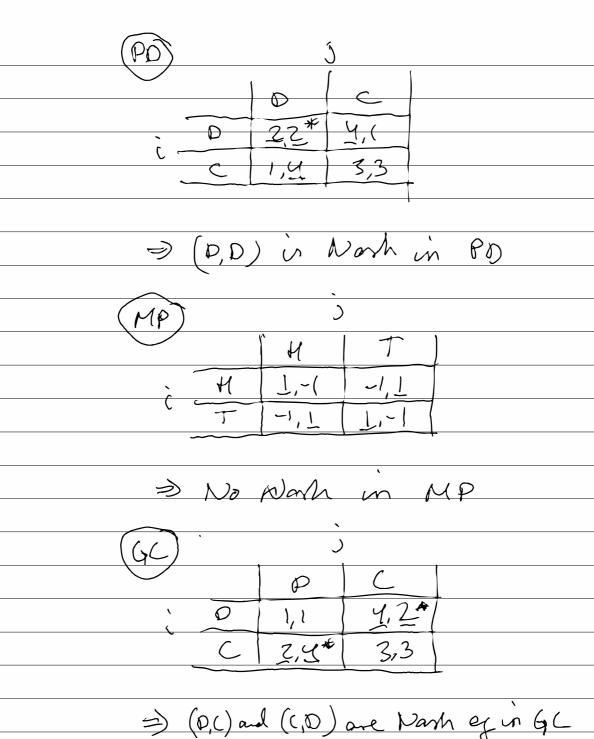
Two strategies of and of and of

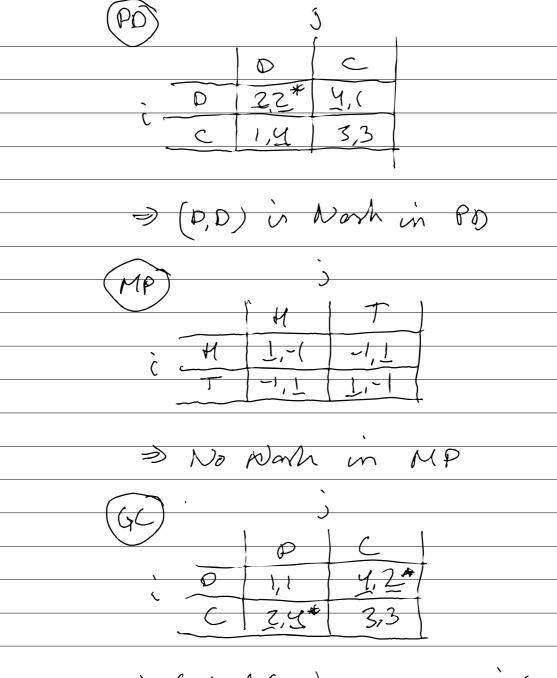
agent i and j are harh of

1, if player i plays or player

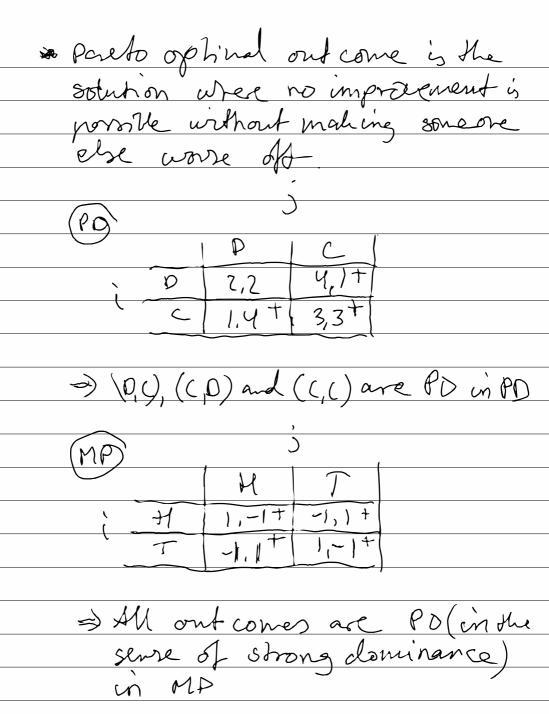
of can do no better than of

Si can do no better than of.



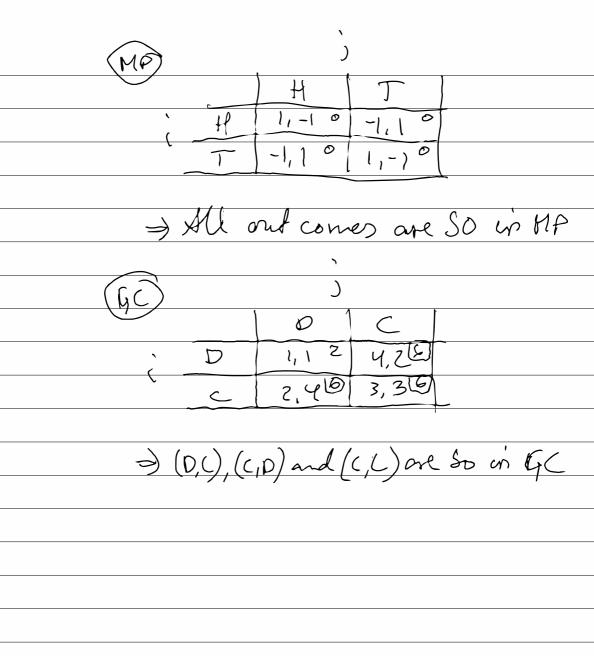


=> (O,C) and (C,O) are Park ex in G

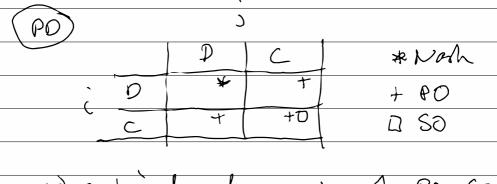


* Social velfre optimum

> ((,() is so in Pa



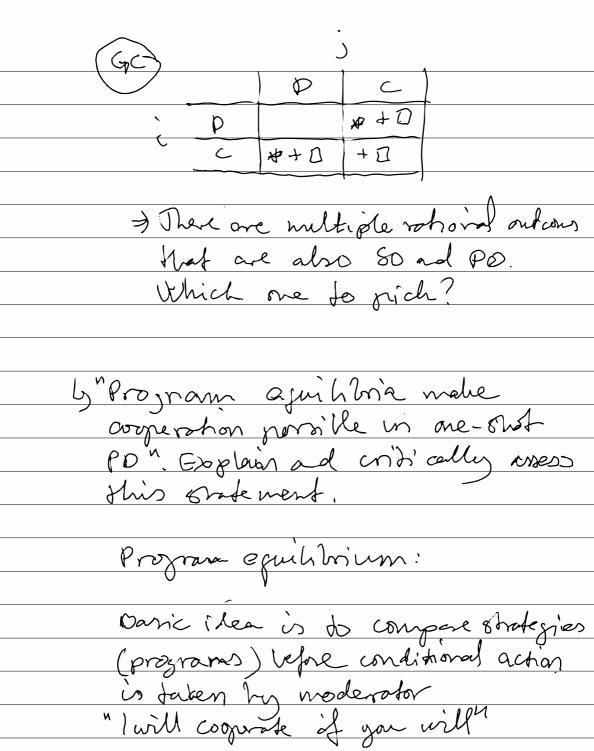
Lets sum up



Dearbonel out come is not Poorso, My is 30 orble in many real world PD;?

MP	1	;	1	
		H	· T	
	H	+ 0	+0	
	T	+0	+0	_
-				

De so and SD. Only solutions in unixed stordey Nash of, guaranteed by Nash's theorem.



p, = program 1 (string1) A p, == pz pz=program2 (soling?) do(c,c) do (0,0) erd Max II; ad II; C 1,4 3,3 Lets view the parite payoff To uning extensive form

3) (C,C) or (QD) ore rational strategies