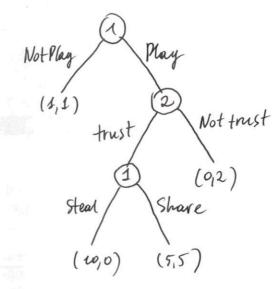
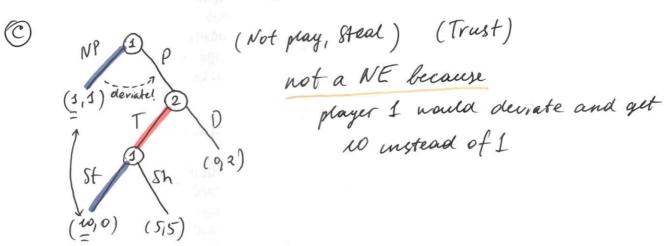
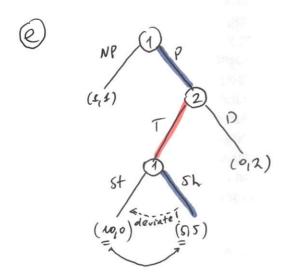
Question 2



What are pure strategy Nash Equilibria?



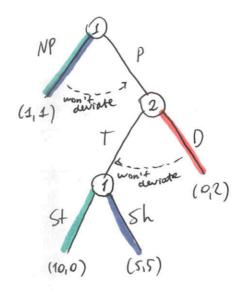


(May, Showe) (Trust)

not a NE because

player I would devote and get

10 instead of 5



(Not Play, Share) (Instrust) are Nash Equilibria
(Not Play, Steal) (Instrust)

(no player wants to deviate)

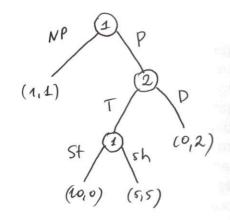
· if player 1 decides not to play, player 2 indifferent between T/D - his mode isn't reached anyway

. if player 2 decodes to dostrust, player & prefers not to play and get I instead of O.

. no one want to deviate

Question 3

Which is the Subgame Perfect Equilibrium?



Subgame Perfect Equilibria - subset of the set of Nash Equilibria

NE: (NP, SL), (D) (NP, S+), (D)

1. (NP, Sh), (D) MP P

1's best response

between Sh and St
is to Steal (10 vs 5)

not SPNE

(4,1)

(4,1)

(0,2)

St

Sh

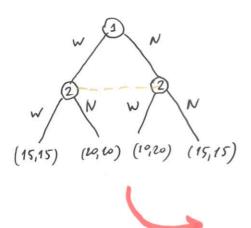
(0,2)

- and player 1 prefers not play
since 1 is better than 0

Thus is SPNE

Questron 4

Subgame



Which is a pure Strategy Nash Equilobrium of the game?

1 N W N 15,15 10,20 W 2010 15,15

N for 1 is dominated by W N for 2 is dominated by W both will play W.

Question 6

- Only Dand E remained

 D proposes 100, and one vote is enough,

 Split is (100,0)
- C, D, E: (offers (99, 0, 1) E in this case gets 1. If (walks the plan, Ewould get 0, so he wotes
- B, C, D, E B offers (99, 0, 1, 0)

 D support, because otherwise he gets O
- A, B, C, D, E A offers (£98,0,1,0,1)

 C and E support hisy
 because otherwise they get O.