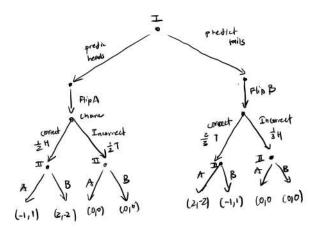
- O coin A has 1/2 heads, 1/2 tails
 coin B has 1/3 heads, 1/8 tails
 player I must predict heads or tails
- (3) It predict heads, A is tossed It predict toils, B is tossed
- 3 player 2 informs player 1 if prediction was right/wring than must guess whether coin A or coin B is used
- (9) p2 correct wis 41 from P2
 p1 incorrect, P1 correct, P1 wins \$1 from P2
 p1 and P2 wrong, no payoff



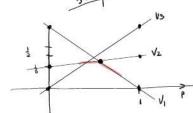
b) GAME MATRIX

Equivalent Strategy

- OPI has 2 coins . one fair h= 1/2 , t= 1/2 secont prob h= 1/4 , += 3
 - †2 knows which is fully which is balocal
- @ PA select 2 and tooses, PA tells P2 He result
- 1 P2 must then guess this on baist it correct, no pay oft Himorrest, lose \$1

strategy of player i in an extensive game with perfect information specifies what action will toke for each hosping after which His herturn to more. Ic, plan of action for all conting incys

Graph



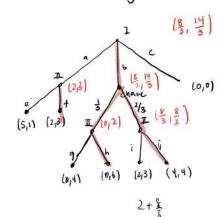
Value of game:
$$V = l + p = \left[\frac{3}{1} \right]$$

Player 1 Strategy (11, 5/1, 0, 0)

Player 1 Strategy (11, 5/1, 0, 0)

Remove tominated column

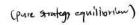
Ext 4 PSE of following Gam Tree



Ex 5: PSE of Silver Dollar

GAME TREE

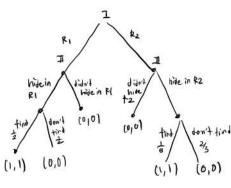
GAME MATRIX



$$(0,\frac{4}{3}) + (\frac{4}{3})^{2}) \qquad (0,2) + (\frac{8}{3},\frac{8}{3})$$

$$(0,2) + (\frac{4}{3})2)$$

$$(0,2) + (\frac{4}{3})2)$$



hideroom 2 hide room ? エルス (3,5) 10,01 RI/Find (0,0) (0,0) RI/Don't Find (313) Ralfind (0,0) (0,0) R2/Don't Find 10,0)

PSE

a player 1's payoth that is max of col a glayer 2's payoff that is

(a)
$$\begin{pmatrix} (-3,-4) & (2;-1) & (0,6) & (1;1) \\ (2;0) & (2;1) & (-3,0) & (1;-2) \\ (2;-3) & (-5,1) & (-1,-1) & (1;-3) \\ (-4,3) & (2;-5) & (1;2) & (-3,1) \end{pmatrix}$$

(b)
$$(0,0)$$
 $(1,-1)$ $(1,-1)$ $(1,-1)$ $(1,0)$

Ext 7 4000 Orlvers from A & B

To number of drivers using this road segment

4000 tesson game, each phayer with three strategy

showthat AURB is PSE

2006 cars were to use AURB, time is 2000/100 T 2000/100 or 40

Clearly Boot strategy, but people using ARB also know this.

So they also use AURB,

causing 4000 to un the highway, causing

the newsh equilibrium to be 4000/100 + 4000/400 = 80?