

- * which of the following games are strictly determined?
- Find the optimal strategy and value of the game for the strictly determined games

1

6	-4	-2
1	-1	3
-8	-3	7

Pick out row mins + col maxes

(6)	-4	-2
1	(-1)	3
-8	-3	(7)

Row min

Col MAX

$$v = -1$$

$$p^0 = (0, 1, 0)$$

$$q^0 = (0, 1, 0)$$

(2)

(2)

3	-1	4	-2
0	3	-1	6
3	-3	5	1

Pick out row mins + Col maxs

(3)	-1	(4)	<u>-2</u>
0	(3)	<u>-1</u>	(6)
(3)	<u>-3</u>	5	1

- * no saddle point
- * game is not strictly determined

3

3

1	2	0	3
2	3	2	5
3	0	1	4

Pick out Row mins + Col MAXS

1	2	<u>0</u>	4
<u>2</u>	(3)	(<u>2</u>)	(5)
(3)	<u>0</u>	1	4

Tie →

Saddle point = 2

Value = 2

$$p^0 = \begin{Bmatrix} 0 \\ 1 \\ 0 \end{Bmatrix} \quad q^0 = \begin{Bmatrix} 0 \\ 0 \\ 1 \\ 0 \end{Bmatrix}$$