

Feedback — In-Video Quizzes Week 3

You submitted this quiz on **Tue 22 Jan 2013 10:51 AM CET**. You got a score of **2.00** out of **2.00**.



Question 1

3-2 Strictly Dominated Strategies & Iterative Removal

Consider the game:

Player 1 \ Player 2	u	m	d
U	2,1	5,3	3,1
M	6,7	2,10	0,0
D	5,0	1,1	2,4

Which pair of strategies survives the process of iterative removal of strictly dominated strategies?

Your Answer	Score	Explanation
 b) (U,m);	 1.00	
Total	1.00 / 1.00	

Question Explanation

(b) is true.

- Check (a):
 - u is dominated by m .
 - M and D are dominated by U , once u is removed.
 - d is dominated by m , once M and D are removed.


Question 2

3-4 Maxmin Strategies

Consider the game:

Player 1 \ Player 2	Movie	Home
Movie	3,0	1,2
Home	2,1	0,3

Which is a maxminstrategy for player 1:

Your Answer	Score	Explanation
 a) Play Movie;	✓ 1.00	
Total	1.00 / 1.00	

Question Explanation

(a) is true.

- Recall from lecture: $S_1 = \operatorname{argmax}_{s'_1 \in S_1} \min_{s_2 \in S_2} u_1(s'_1, s_2)$
- Regardless of player 1's strategy, choosing Home by player 2 minimizes 1's payoff:
 - If 1 plays Movie, 1 gets 3 when 2 plays Movie and 1 when 2 plays Home;
 - If 1 plays Home, 1 gets 2 when 2 plays Movie and 0 when 2 plays Home;
- Given 2 plays Home to minimize 1's payoff, 1 plays Movie to maximize the minimized payoff.