

More Game Theory Fun!

In this exercise, your task is to pair up with another student and play the following three simultaneous games. You and your first opponent will play each of the three of the games below. Then each of you will re-pair with a different student, and replay the three games. You should re-pair two times, so that at the end of the exercise you should have played three ‘opponents’.

Each time you play, you should write down your strategy and the strategy of your opponent, and then the resulting ‘payoffs’ that you and your opponent received. Your goal is to maximize your ‘payoffs’, that is, the score that results from the combination of your and your opponent’s strategic choices in each game. The winner of the class (i.e. the person with the highest awarded utility) will receive a prize!

Game A: Your Opponent

		S	R
You	S	6, <u>6</u>	0, <u>12</u>
	R	12, <u>0</u>	3, <u>3</u>

Game B: Your Opponent

		S	R
You	S	12, <u>12</u>	0, <u>6</u>
	H	6, <u>0</u>	3, <u>3</u>

Game C: Your Opponent

		S	R
You	S	0, <u>0</u>	12, <u>3</u>
	H	3, <u>12</u>	6, <u>6</u>

Strategy:

Opponent	Game A	Game B	Game C
1	,	,	,
2	,	,	,
3	,	,	,

Payoff Results:

Opponent	Game A	Game B	Game C
1	,	,	,
2	,	,	,
3	,	,	,
Totals	,	,	,