Assigment 1

Philosophy 444

Due 13 September, 2019

Games

In each of these games, Row picks a row, and Column picks a column. Row's payouts are listed first, and Column's payouts are listed second.

Game One

	Left	Right
Up	1, –1	2, –2
Down	4, –4	3, –3

Game Two

	Left	Right
Up	1, –1	4, –4
Down	2, –2	3, –3

Game Three

	Left	Middle	Right
Up	5, –5	3, –3	1, –1
Straight	6, –6	2, –2	1, –1
Down	1, –1	0, 0	0, 0

Game Four

	Left	Middle	Right
Up	5, –5	3, –3	2, –2
Straight	6, –6	4, –4	3, –3
Down	1, –1	6, –6	0, 0

Game Five

	Left	Right
Up	2, 4	1, 0
Down	6, 5	4, 2

Game Six

	Left	Right
Up	1, 1	0, 1
Down	1, 0	1, 1

Game Seven

	Left	Middle	Right
Up	0, 1	9, 0	2, 3
Straight	5, 9	7, 3	1, 7
Down	7, 5	10, 10	3, 5

Questions 1a to 7b

For each of the 7 games listed above, find which strategies remain after iterated deletion of strongly dominated strategies. There are seven games, and two questions for each game (which strategy or strategies remain for Row, and which for Column) making 14 questions. Note that for any one of these 14 questions, there may be one or more than one answer, and you will only get credit for stating all (and only) the correct answers.

Question 8

Which of the answers to questions 1-14 would change if you were asked to iteratively delete weakly dominated strategies, not strongly dominated strategies?