

Stat/Econ 473 Game Theory
Problem Set 5

Due: Thursday October 5 :

From the Text: Do problems: Chapter 7: 3, 5, 10, 16

1) Consider the two player strategic game with the following payoff matrix.

	L	M	R
A	4,3	-1, 2	0, 4
B	2,0	3, 2	1, -1
C	-1,4	0,4	2,2
D	0, -1	2, 1	3,2

- a) Which strategy profiles survive IDSDS? (*Recall that we can eliminate strategies strictly dominated by a mixed strategy.*)
- b) Find all pure and mixed strategy Nash equilibria.

2) Consider the two player strategic game with the following payoff matrix. Find all pure and mixed strategy Nash equilibria.

	L	R
T	4,1	1,3
M	2,2	3,1
B	0,0	4,-1