

Find the mixed strategy equilibria of the following games:

(a)

	Head	Tail
Head	1, -1	-1, 1
Tail	-1, 1	1, -1

(b)

	L	R
U	2, 2	0, 1
D	1, 0	1, 1

(c) Is there a mixed strategy equilibrium to the Prisoner's dilemma (bellow)? Explain why or why not.

	Q	F
Q	1, 1	3, 0
F	0, 3	2, 2

2. Two cars simultaneously approach an intersection. Each driver must simultaneously choose to either stop or go. If both go, then they crash and get a payoff of 0. If they both stop, then they both get a payoff of 1. However, if one driver stops and one driver continues, then the driver that stopped gets a payoff of $\frac{1}{2}$ (he is frustrated that he was the only one to stop) and the driver that continued gets a payoff of 4. What are the pure strategy equilibria of this game? What is the mixed strategy equilibrium?