

Lecture Notes 3bis

Some examples of Mixed Strategy Equilibria

Example 1: Battle of Sexes

A man (Patrick) and a woman (Lindsey) are trying to decide on an evening's entertainment. The following normal form game (Battle of Sexes) represents their payoffs.

		Patrick (Player 2)	
		Opera	Fight
Lindsey (Player 1)	Opera	(2, 1)	(0, 0)
	Fight	(0, 0)	(1, 2)

By convention, the payoff to row-player (here Lindsey, player 1) is the first payoff given, followed by the payoff of the column player (here Patrick, player 2).

1a) Find the mixed-strategy equilibria of this game using mathematical arguments as well as a figure.