

Exercise sheet 5

Patrick Loiseau

Game Theory, Fall 2015

Exercise 1:

Suppose that the pure strategy s^* is evolutionarily stable.

1. Is it possible that there is some other pure strategy that weakly dominates s^* ?
2. Is it possible that there is some other pure strategy that is not weakly dominated by s^* ?

Exercise 2:

Consider the following symmetric two-player game:

	a	b
a	3, 3	0, 0
b	0, 0	1, 1

1. Find all the symmetric Nash equilibria, including any mixed-strategy equilibria.
.
2. Find all the evolutionarily stable strategies, including any mixed-strategy ESS.