Exercise sheet 5

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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.

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2. Find all the evolutionarily stable strategies, including any mixed-strategy ESS.