

# Homework: Calculating NE. Zero-sum games

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**Instructions** Solve the following homework problems. You can ask me any questions by email.

**Problem 1: Nash Equilibrium.** Calculate the Nash equilibria of the following matrix game:

3, 2	1, 1
0, 0	2, 3

**Problem 2: Maxmin and minmax.** Calculate the value and optimal strategies on the following matrix game:

1	2
0	$x$

Hint: Instead of calculating expectations, as we did in class, look at the maxmin and minmax.