Q1. Given a finite n-player strategic form game (action space is finite for each player), write a program that outputs the following

a) a pure strategy Nash equilibrium, if one exists.

b) a mixed strategy Nash equilibrium.

Note: You may leverage Linear Programming (LP) and LP Solver (or SMT Solver) to solve the above. Install SMT Solver Z3 (`https://pypi.org/project/z3-solver/`) and go through the tutorial (`https://ericpony.github.io/z3py-tutorial/guide-examples.htm`).