

DISCRETE OPTIMIZATION: PROBLEM SET 11

Problem 1. Introduce the concept of **dominating rows/columns**. This is explained on page 150 of the text (including one sentence on the previous page). That is,

- (1) Define what it means for one column/row to dominate another.
- (2) Explain why an optimal strategy for either player will never include a dominated column/row.
- (3) Explain an example of reducing a payoff matrix by deleting dominated rows and columns.

From the textbook,

Workout 9.3.3 (note the payoff matrix is on the previous page).

Exercise 9.5.1.

Exercise 9.5.2. Can you say and/or prove what this exercise is trying to do in general?

Exercise 9.5.5.

Exercise 9.5.12. (Someone please do this problem...)