PROJECT 5
GAME THEORY

SYNOPSIS

Working either indivually or in teams of two or three, write a program to solve certain two-person, zero-sum games.

INSTRUCTIONS

Write a computer program that will reduce an $m \times n$ payoff matrix for a two-person zero-sum game as far as possible by dominance and then

- solves the problem if the reduced matrix is either 2×2 or else has just one row or just one column;

- displays the reduced matrix otherwise.

For a bonus, find a way to solve the problem if the reduced matrix is 3×3 or 3×2 or 2×3.

SUBMIT THE FOLLOWING ELECTRONICALLY.

1. A typed title page

2. A typed one-page description of your program. Be sure to include citations of any references used.

3. Your code

I will ask you to demonstrate your program.