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Workspace Prep

PART 1:

PART 2: Testing for Diagonal Dominance

PART 3: Guass-Seidel

Gauss-Seidel Method:

X Vector:

x1: 0.2381

x2: 0.095238

x3: 0.19048

Solutions found in 10 iterations

PART 4: Jacobi

Jacobi Method:

X Vector:

x1: 0.2381

x2: 0.095238

x3: 0.19048

Solutions found in 27 iterations

FUNCTION: Diagonalizing

FUNCTION: Checking for Dominance

Matrix Will converge

FUNCTION: Rand Matrix

This is how i tested my code, it looks like it works with many matrices!

PSEUDOCODE

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