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Lecture 2: Five-Step Process

Lecture 3: Problem Types

Lecture 4: Linear Programming

Lecture 5: Graphical Solution Methods

Lecture 6: Graphical Solution Methods

Lecture 7: Spreadsheet-based Solution Methods

Lecture 8: Python Programming

Lecture 9: Basic Linear Algebra

Lecture 10: Simplex Method

Lecture 11: Simplex Method

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Lecture 17

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Transportation Problem

Formulating, implementing, and solving the problem

Inferring the results

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Assignment Problem

Formulating, implementing, and solving the problem

Inferring the results

Lecture 20

Trans-Shipment Problem

Formulating, implementing, and solving the problem

Inferring the results

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Formulating, implementing, and solving the problem

Inferring the results

Lecture 22

Least-Cost Path Problem

Formulating, implementing, and solving the problem

Inferring the results

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Traveling Salesman Problem

Formulating, implementing, and solving the problem

Inferring the results

Lecture 24

Vehicle Routing Problem

Formulating, implementing, and solving the problem

Inferring the results

Lecture 25

Location Routing Problem

Formulating, implementing, and solving the problem

Inferring the results

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Random Search

Implementation in Julia

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Validation: calibrating and benchmarking meta-heuristics

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