Assignment 4

Due on 2023-03-20, 23:59 IST

Week 7

Module 1: Introduction to Operations Research
Module 2: Linear Programming - Introduction
Module 3: Linear Programming - Assumptions
Module 4: Simplex Algorithm
Module 5: Algorithm and Applications in Operations Research
Module 6: Assignment
Module 7: Transportation using excel
Module 8: Assignment
Module 9: Transportation with excel
Module 10: Assignment

1. Every feasible solution to the transportation problem has an objective function value of at least as big as the minimum element in every feasible solution to the problem. The feasible solutions are 

   - Valid feasible solutions
   - Infeasible solutions
   - Feasible solutions
   - Non-negative solutions
   - Non-feasible solutions
   - Unbounded solutions
   - Unfeasible solutions
   - Infeasible solutions

2. In the transportation problem, if a primal solution is feasible, the corresponding dual solution is

   - Unique
   - Non-unique
   - Unbounded
   - Unfeasible

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5. If a primal solution is feasible, the corresponding dual solution is

   - Valid
   - Infeasible
   - Feasible
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