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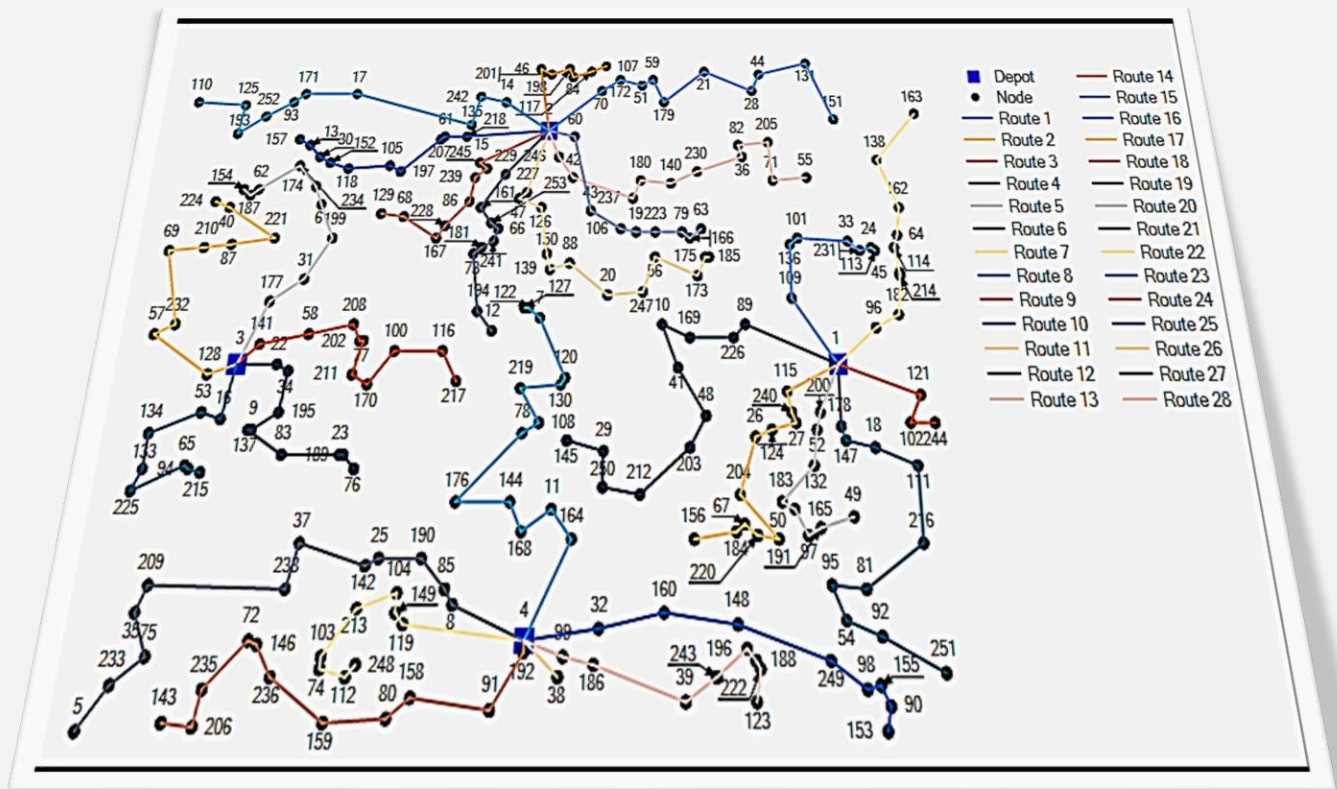
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Logistics and Operations Research

Vehicle Routing



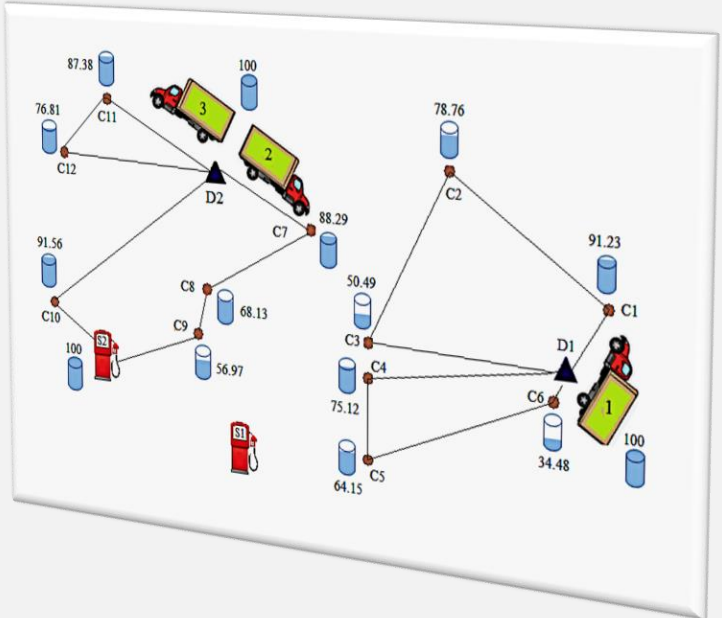
Vehicle routing is crucial for optimizing the routes of delivery vehicles to reduce transportation costs and improve service quality.

- Vehicle Routing Problems (VRP)
- Capacitated VRP
- VRP with Time Windows
- Open VRP
- Multi-Depot VRP
- VRP in Urban Logistics
- Optimization Algorithms for VRP
- Metaheuristics

Green logistics focuses on reducing the environmental impact of logistics operations through sustainable practices and technologies, including the use of electric vehicles.

Green Logistics

- Sustainable Transportation
- Electric Vehicles (EVs) in Logistics
- Carbon Footprint Reduction
- Renewable Energy in Logistics
- Environmental Impact of Logistics
- Dynamic Charging on Electrified Roads
- Mobile Charging Stations
- Portable chargers



Operations Research



- Linear Programming
- Integer Programming
- Network Flow Problems
- Inventory Management
- Supply Chain Optimization
- Decision Analysis
- Stochastic Models