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Integrated Multiproduct Batch Production and Truck Shipment  
Scheduling under Different Shipping Policies

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## Highlights

- The common cycle solution for the classical deterministic economic lot-scheduling problem (ELSP) is integrated with two distinct shipping policies.
- The transportation scenarios involve both full truckload and less than truckload shipping modes, with different cost structures.
- Mixed integer, non-linear, constrained optimization models are developed to depict the respective optimization problems.
- Comparison between the two integrated planning models and comparisons across corresponding uncoordinated approaches are made via numerical experiments.

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