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Dynamic Economic Lot Size Model with Perishable Inventory and Capacity Constraints

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Highlights

- An ELS under perishability and stationary production capacities is introduced.
- NP-hardness of the problem under our assumptions is proven.
- Structural properties of the optimal solution are shown.
- A Dynamic Programming based heuristic for the overall problem is given.
- A heuristic is proposed for the subproblem where the production periods are given.

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