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A heuristic algorithm for solving large location-inventory problems with demand uncertainty

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Highlights

- We study the design of large supply chain networks with demand uncertainty.
- We propose a continuous non-linear model for the location-inventory problem.
- It includes features such as shipments sizes, cost per truck or safety stocks.
- Extensive experiments show that the proposed heuristic algorithm is efficient.
- Risk pooling may be mitigated when considering safety stocks at retailers.

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