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Determining the retailer's replenishment policy considering multiple capacitated suppliers and price-sensitive demand

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Highlights

- We consider a single retailer, multiple suppliers, and price sensitive demand.
- The objective is to maximize profit and determine order quantities for selected supplier.
- A mixed integer nonlinear programming formulation of the problem is provided.
- We determine sufficient conditions for the optimal selection of a single supplier.
- We also investigate the impact of supplier's capacity on the optimal sourcing strategy.

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