## Accepted Manuscript

Title: A location-inventory-pricing model in a closed loop supply chain network with correlated demands and shortages under a periodic review system

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### ACCEPTED MANUSCRIPT

# A location-inventory-pricing model in a closed loop supply chain network with correlated demands and shortages under a periodic review system

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#### Highlights

- Presenting a model in a closed loop supply chain contains facility location, inventory control, and pricing decisions.
- Considering correlated demand across the customer zones in the proposed model
- Applying periodic review inventory policy at CDCs in this network
- Presenting encoding and decoding procedures for representing solutions of this problem

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