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A Profit-Maximization Location-Routing-Pricing Problem: A Branch-and-Price Algorithm

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Highlights

- This paper studies a location-routing problem with profit in a supply-chain network.
- Customer demands are price-sensitive, and delivered pricing policy is used.
- The problem simultaneously determines location, routing, and pricing decisions.
- Two formulations for the problem are proposed.
- A branch-and-price algorithm is developed to efficiently solve the problem.

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