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A Hypergraph Multi-Exchange Heuristic for the Single-Source Capacitated Facility Location Problem

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Highlights

- A novel multi-exchange heuristic is proposed for a classic facility location problem.
- A very large scale neighborhood is searched using hypergraph structures.
- The new approach outperforms traditional multi-exchange heuristics.
- New best known solutions to some large benchmark problems are found.
- The method can be extended to other partitioning problems.

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