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A Node Current-based 2-Index Formulation for the Fixed-Destination Multi-Depot Travelling Salesman Problem

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Highlights

- We consider the Fixed-destination Multi-depot multiple Traveling Salesman Problem.
- We provide an overview of the state-of-the-art in fixed-destination formulations.
- We propose node currents for cycle imposement constraints.
- The proposed formulation performs well on a large benchmark with 320 instances.
- Instances up to 170 nodes can be solved within 3 hours by state-of-the-art solvers.

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