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Identification of Unidentified Equality Constraints for Integer Programming Problems

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Highlights

- The proposed method generates a set of unidentified equality constraints (if any) for IP problems.
- An MIP model is designed to check if there is an unidentified constraint satisfying problem specific criteria.
- A set of unidentified equality constraints for Base polytope are derived.
- Two TSP models are compared and strengthened with the help of newly identified equality constraints.

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