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A Parallel Variable Neighborhood Search for the Vehicle Routing Problem with Divisible Deliveries and Pickups

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HIGHLIGHTS

- The vehicle routing problem with divisible delivery and pickup is considered.
- A parallel approach based on variable neighborhood search is proposed.
- A number of well-known benchmark problems are solved and compared.
- Proposed parallel approach outperforms the existing methods.
- New best solutions for 179 of 220 benchmark instances are found.

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