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Container Relocation Problem with Time Windows for Container
Departure

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Highlights

- We combine the container relocation problem with the truck appointment system.
- We model the container relocation problem with time windows for container departure.
- We develop the abstraction heuristic, which improves the tree search by node caching.
- We develop an index-based heuristic that outperforms the random selection heuristic.
- The heuristic provides near-optimal solutions in a short time for large instances.

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