

Computational results

Minimizing late deliveries in a truck loading problem

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File description

This document describes a file that contains the complete results of the computational experiment carried out for the paper entitled “*Minimizing late deliveries in a truck loading problem*”. These results were exported into a single table as a spreadsheet file named *ConsolidatedResults.csv*. The table is comprised of the following columns:

1. **Name**: Name of the instance.
2. **SKUs**: Number of SKUs in the instance.
3. **Routes**: Number of routes in the instance.
4. **Vehicles**: Number of vehicles (or trucks) in the instance.
5. **Customers**: Number of customers in the instance.
6. **Instance**: Index of the instance.
7. **BIS Obj1**: Best integer solutions found after completing phase 1.
8. **BB Obj1**: Best linear relaxations found after completing phase 1.
9. **CPU Obj1**: Time in seconds needed to terminate phase 1.
10. **V Obj1**: Number of vehicles (trucks) assigned to routes in the solution found in phase 1.
11. **BIS Obj2**: Best integer solutions found after completing phase 2.
12. **BB Obj2**: Best linear relaxations found after completing phase 2.
13. **CPU Obj2**: Time in seconds needed to terminate phase 2.
14. **Greedy Obj1**: Value of the objective function found by the greedy heuristic.
15. **Greedy Obj2**: Number of trucks used in the solution found by the greedy heuristic.
16. **Greedy CPU**: Time in seconds needed by the greedy heuristic to terminate.
17. **GapObj1[n]**: Optimality gap reported by the solver after n minutes of solving phase 1 ($1 \leq n \leq 60$).
18. **GapObj2[n]**: Optimality gap reported by the solver after n minutes of solving phase 2 ($1 \leq n \leq 60$).

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