OPTIMIZING YARD ASSIGNMENT AT AN AUTOMOTIVE TRANSSHIPMENT TERMINAL

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ABSTRACT
We present an optimization model for the yard allocation process in an automotive transshipment terminal. The cars arrive and depart by ships in large batches and the yard planners have to dynamically assign incoming cars to parking rows. The integer linear programming model has been implemented in a commercial solver (CPLEX). We will present at the conference the model, the CPLEX computational results, and a new meta-heuristic.

Keywords: automotive transshipment terminal, yard management, integer linear programming
REFERENCES