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Dantzig-Wolfe Decomposition of the Daily Course Pattern
Formulation for Curriculum-Based Course Timetabling

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Highlights

- A new Dantzig-Wolfe Decomposition and Column Generation algorithm is proposed.
- Novel preprocessing and inequality generation is applied to the pricing problem.
- Local Branching is applied when searching for columns with a negative reduced cost.
- The algorithm improves the best-known lower bounds for benchmark instances.

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