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A Batch-Oblivious Approach for Complex Job-Shop Scheduling Problems

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Highlights

- A new disjunctive graph representation for batching decisions is introduced.
- A new integrated algorithm to compute start dates and to create batches is proposed.
- Three strategies to dynamically improve batching decisions during graph traversals are presented.
- Heuristic methods for this Complex Job-Shop scheduling problem are proposed
- Numerical results validate our approach, including new public industrial instances

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