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Analysis of a Parallel Machine Scheduling Problem with Sequence Dependent Setup Times and Job Availability Intervals

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Highlights

- We examine a parallel machine scheduling problem with setup times and time windows.
- Integer programming (IP) and constraint programming (CP) models are proposed.
- Two logic-based Benders decomposition algorithms are developed.
- Extensive computational tests on a real-life case study are performed.
- We report the effectiveness of the algorithms over pure IP and CP models.

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