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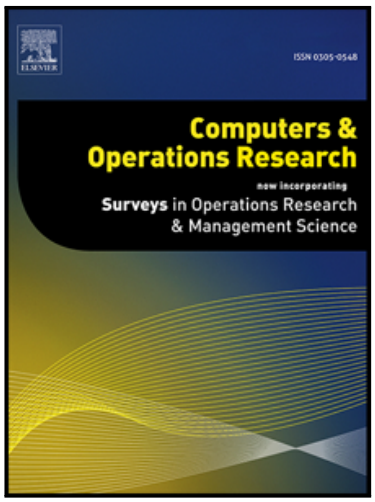

An effective heuristic algorithm for the partial shop scheduling problem

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Highlights

- We present an iterated tabu search for the partial shop scheduling problem.
- We propose a new constructive heuristic and a neighborhood with a pruning technique.
- We demonstrate that a single algorithm can solve effectively many special cases.
- These special cases include group shop, mixed shop, and open shop scheduling.
- In experiments the algorithm can compete with all state-of-the-art heuristics.

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