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A feasible flow-based iterative algorithm for the two-level hierarchical time minimization transportation problem

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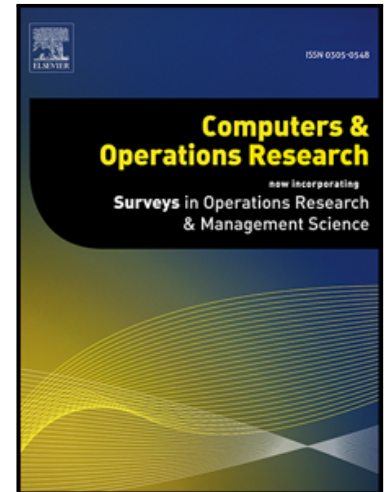
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Highlights

- We study the THTMTP (two-level hierarchical time minimization transportation problem)
- We construct a mathematical model with better applicability to formulate the THTMTP
- We develop a feasible flow-based polynomial time algorithm to solve the model
- Our algorithm overcomes successfully the shortcomings of the two existing approaches
- Our algorithm can serve as efficient tool to solve other related optimization problem

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