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An extended robust approach for a cooperative inventory routing problem

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Highlights

- Using geographical location in distance matrixes cause extra optimization process.
- The result of solved mixed integer programming is the input for metaheuristics.
- Ant colony algorithm is selected metaheuristic for applying in promotion stage.
- Horizontal collaboration of suppliers would lead to cost saving for these agents.
- Shapley value and tau value are reliable payoff sharing technique for the problem.

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