

## Supply Chain Management: Coordination of Operations Planning

Decentralized approaches



Atour Taghipour

Supply Chain Management: Coordination of Operations Planning: Decentralized approaches



Source chains are complex systems, which include several independent agencies with different goals, in dynamic uncertain environment. Finally, in order to develop an approach capable of supporting the dynamic coordination of operations preparing in a rolling horizon context, this publication initial proposes a negotiation technique for the supplier, in addition to a revenue sharing process. Second, we propose a decentralized procedures planning coordination mechanism referred to as mutual adjustment search (MAS), which is based on a negotiation-like mutual adjustment of preparing decisions with financial incentives and rooted in mathematical development. In this book, we first review source chain procedures planning coordination strategies from centralized to decentralized methods proposed in the literature. A key issue in source chain management (SCM) may be the coordination of source chain procedures planning decisions. Computational analysis shows that the proposed approach produces a win-win strategy for two partners of supply chain and increases the outcomes of upstream planning.



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