

Centralized inventory in a farming community*

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RESUMEN

A centralized inventory problem is a situation in which several agents face individual inventory problems and make an agreement to coordinate their orders with the objective of reducing costs. In this paper we identify a centralized inventory problem arising in a farming community in northwestern Spain, model the problem using two alternative approaches, find the optimal inventory policies for both models, and propose allocation rules for sharing the optimal costs in this context.

Palabras y frases clave: centralized inventory, cooperative games, EOQ models, Shapley value, core.

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