عنوان مقاله:

Managing Supply Chain Inventories: One Warehouse and Multiple Retailers Model

محل انتشار:

چهارمین کنفرانس ملی مهندسی صنایع (سال: 1384)

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خلاصه مقاله:

Inventories have an important role in all supply chains, and it is important to manage them to minimize the total related costs, consist of holding, ordering and shortage costs. In this paper, we propose a nonlinear model in which a warehouse supplies multiple retailers. Customer demands are random variables with normal distribution. Unsatisfied demands are backordered. Warehouse and retailers work based on periodic review inventory system. Lead times are considered to be deterministic. Calculations show that the warehouse's demand has normal distribution. Finally, Inventory level that minimizes the total cost is computed.

کلمات کلیدی:

Supply chain, Inventory, Normal Distribution Demand, Periodic Review

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