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Determination of production run time and warranty length under system maintenance and trade credits

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Abstract

Manufacturers offer a warranty period within which they will fix failed products at no cost to customers. Manufacturers also perform system maintenance when a system is in an out-of-control state. Suppliers provide a credit period to settle the payment to manufacturers. This study considers manufacturer's production and warranty decisions for an im

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on manufacturer's decisions and profits. The results of this study are a useful reference for managerial decision-making and administration.

Keywords: EPQ model warranty length imperfect production system system maintenance trade credit

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