

JIT 환경하에서의 불출주문 스케줄링
Scheduling of Storage/Retrieval Orders Under
a Just-In-Time Environment

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ABSTRACT

We consider the problem of scheduling storage and retrieval orders under dual-command operations in a unit-load automated storage/retrieval system. The objective is to minimize the weighted sum of earliness and tardiness penalties about a common due date. We propose three heuristics based upon a two-step approach where dual-command cycles are formed first and then optimally scheduled. A mixed-integer linear programming model is presented to find an optimal solution. Performances of the heuristics are compared through simulation experiments. Computational results show that some heuristics performed very well in our experiments.