A CLP APPROACH FOR MIXED MODE SHOP SCHEDULING PROBLEM

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ABSTRACT

In this paper, a constraint-based system, called Oz, was used to solve a mixed-mode shop scheduling problem in which the temporal constraint, capacity constraint, resources utilization constraint are integrated into an open shop problem. The results show that the scheduler in Oz provides the manager a useful tool to obtain solutions of complex problem more efficiently.

Keywords : constraint logic programming ; mixed mode shop scheduling ; Oz

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