Slack-Based Lower Bound and Heuristic for Permutation Flowshop Models: June, 1993 (Classic Reprint)

By Anantaram Balakrishnan

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Slack-Based Lower Bound and Heuristic for Permutation Flowshop Models: June, 1993 This paper addresses optimal job sequencing decisions for various classes of permutation flowshops. We first describe a framework to classify flowshop scheduling problems based on the level of intermediate storage, job transfer mechanism, and objective function. We discuss the interrelationships between various flowshop models, develop a new slack-based lower bound for the total processing time of each machine, and describe an assignment-patching heuristic to generate effective job sequences. Our computational results show that, compared to previous approaches, the slack-based lower bound is effective when job processing times are random or have a trend, and the assignment-patching heuristic performs well for all models. By locally improving the heuristic solution using a two-exchange procedure, we are able to generate solutions that are within 10 from optimal for most scenarios. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work,...

READ ONLINE
[4.4 MB]

Reviews

The most effective pdf i ever go through. It is probably the most incredible book i have got study. You wont sense monotony at at any time of the time (that's what catalogues are for relating to if you check with me).
-- Ahmad Heaney

The book is not difficult in read through better to recognize. It really is writter in straightforward terms instead of confusing. I am happy to inform you that this is actually the finest publication i actually have read in my individual daily life and may be he best book for possibly.
-- Valerie Heaney