

Scheduling

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1. Manpower Scheduling:

Cyclic Scheduling via Integer Programs with Circular Ones, by J.J. Bartholdi, J.B. Orlin, and H.D. Ratliff, *Operations Research*, 28, #5, 1980, pp. 1074-1085.

Introduction to Employee Scheduling, R. Nanda, J. Browne, Van Nostrand, 1992.

2. Bin Packing:

An Efficient Approximation Scheme for the One-Dimensional Bin-Packing Problem, by N. Karmarkar and R.M. Karp, 1982

Bin Packing can be solved within $1+\epsilon$ in linear time, by W.F. de la Vega and G.S. Lueker, *Combinatorica*, 1, 1981, pp. 349-355

3. \bar{T} Problem

A Pseudopolynomial Algorithm for Sequencing Jobs to Minimize Total Tardiness, by E.L. Lawler, *Annals of Discrete Mathematics*, 1 (1977), pp. 331-342

A Fully Polynomial Approximation scheme for the Total Tardiness Problem, by E.L. Lawler, *O.R. Letters*, 1, #6, 1982, pp. 207-8.

Minimizing Total Tardiness on One Machine is NP-hard, by J. Du and J.Y.T. Leung, *Mathematics of Operations Research*, 15, (1990), pp. 483-495.

4. Flow Shop with Precedence

The Two Machine Maximum Flow Time Problem with Series Parallel Precedence Relations, by J.B. Sidney, *Operations Research*, 27 (1979), pp. 782-791

See references to L.G. Mitten and Kurisu in the above

5. Approximation to m -Machine Flow Shops

Vector Summation in Banach Space and polynomial Algorithms for Flow Shops and Open Shops, by S. Sevest'janov, *Mathematics of Operations Research*, 20, (1995), pp. 90-103

See the reference to I. Barany 1981 paper in the above.

6. Traveling Salesman Problem

See the reference in your book on page 361 to P.C. Gilmore and R.E
Gomory

Also see the book on ths topic by E.L. Lawler et al. (see me if you need
this)