Abstract

The aim of this paper is to introduce the concept of disjoint job blocks in n-jobs, three machines flow shop scheduling problem to minimize the total elapsed time and rental cost of the machines under a specified rental policy in which the processing time associated with probabilities including transportation time. A heuristic approach for flow shop with a computational algorithm to find optimal or near optimal solution is described. A computer program followed by a numerical illustration is given to justify the proposed algorithm.

References

A Mathematical Approach for Three Stage Flow Shop Production Schedule with Jobs in a String of Disjoint Job Block

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Index Terms

Computer Science

Keywords

Flow Shop Scheduling disjoint Job Block transportation Time  Processing Time