# One-Machine Scheduling To Minimize Mean Tardiness With Minimum Number Tardy

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## Summary

In this paper the one-machine scheduling problem with the objective of minimizing the mean tardiness subject to maintaining a prescribed number of tardy jobs is analysed An algorithm for solving this problem is presented. It is proved that the schedule generated by the proposed algorithm is indeed optimal.

## References:

1. BAKER KR, 1974, NAV RES LOG, V25, P171
2. BURNS RN, 1976, NAV RES LOG, V23, P125
3. DILEEPAN P, 1988, OMEGA, V16, P53
4. DU JZ, 1990, MATH OPER RES, V15, P483
5. EMMONS H, 1975, NAV RES LOG, V22, P858
6. FRENCH S, 1982, SEQUENCING SCHEDULIN
7. GUPTA SK, 1987, OMEGA-INT J MANAGE S, V15, P207
8. KYPARISIS J, 1993, J OPER RES SOC, V44, P835
9. MOORE JM, 1968, MANAGE SCI, V15, P102
10. SHANTHIKUMAR JG, 1983, COMPUT OPER RES, V10, P255
11. SHANTHINKUMAR JG, 1982, J OPER RES SOC JPN, V25, P29

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