

Obtaining Good Feasible Solutions to General Min-Cost-Flow Network Problem

R.R.K. Sharma
Dept. of IME, IIT
Kanpur-208016, India

Priyank Sinha
IIM Rohtak, India

Abstract

In this paper we give a simple heuristic procedure that gives very good solution to min-cost-network flow problem. The procedure runs in $O(n^3)$ time. We also show that primal network simplex (that runs in $O(n^3 \log(n))$ time) can take over from this very good primal solution to proceed to optimality. This procedure is expected to bring computational advantages.