

New Methods to Solve and Find Initial Basic Feasible Solution of Transportation Problems

Dr. Janardhan K. Mane

Assistant Professor, Department of Mathematics

Sanjeevane Mahavidyalaya, Chapoli, Tq. Chakur Dist. Latur, Maharashtra, India

Abstract: In this paper to solve the initial basic solution for transportation problem and Minimizing transportation time and getting optimal solutions are always considered as important factors while solving transportation problem. This paper shows a new approach for finding initial basic solution for transportation problem which reduces cost of transportation more than any transportation method such as Northwest Corner Method(NCM), Least Cost Method(LCM), northwest, Vogel's approximation, Total Opportunity Cost Matrix-Minimal Total (TOCM-MT) and so on. This method has been illustrated by taking an Numerical example.

Keywords: Transportation problem, initial basic feasible solution, optimality test, optimal solution..

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