

Multimetric Analysis on the Feasibility in Bipartite Capacitated

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This paper considers a bipartite, capacitated and balanced network, with feasible flow known. All the supplies, demands, capacities and flows are non negative integers numbers.

In this paper we carry out an analysis of all possible integer variations of supplies/demands values. We prove that we can determine the value of the individual variations in the supplies/demands such that we can maximize the total variation while maintaining the modified network balanced and feasible.