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خلاصه مقاله:

Optimization and reduction of costs in management of distribution and transportation of commodity are one of the main goals of many organizations. Using suitable models in supply chain in order to increase efficiency and appropriate location for support centers in logistical networks is highly important for planners and managers. Graph modeling can be used to analyze these problems and many others such as the management of municipal services and traffic control. To achieve these goals, we suggest some models based on structure of distance balanced graphs, and n -distance balanced graphs. These graphs can be considered as a model in communication networks in order to avoid additional costs and maintain balance in networks.

کلمات کلیدی:

logistics network, n-distance balanced graph, opportunity index, optimization of network, Supply Chain Management