

عنوان مقاله:

CLASSICAL CENTER LOCATION PROBLEM UNDER UNCERTAIN ENVIRONMENT

محل انتشار:

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خلاصه مقاله:

In this paper, we investigate the classical discrete p -center location problem on a network in which the vertex weights and the distances between vertices are uncertain variables. The aim is to locate p facilities on vertices of the network such that the maximum of the weighted distances from each vertex to its closest facility becomes minimum. We show that the uncertain p -center problem is N_p -hard on general networks. Then we present a method for solving the uncertain 1-center problem on unweighted tree networks.

کلمات کلیدی:

Location problem, p -center, Uncertainty theory

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