

عنوان مقاله:

(Applying fully fuzzy models to solve assignment problems (case study: travel cost

محل انتشار:

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خلاصه مقاله:

Recently two new algorithms have been developed to solve fuzzy linear programming problems by Lotfi et al[F.H. Lotfi, T. Allahviranloo, M.A. Jondabeha, L. Alizadeh, Solving a fully fuzzy linear programming using lexicography method and fuzzy approximate solution, Appl. Math. Model. 33 (2009) 3151–3156]. and Kumar et al[A. Kumar, J. Kaur, P. Singh, A new method for solving fully fuzzy linear programming problems, Appl. Math. Model. 33 (2011) 817–823]. In this article, besides Kumaric method, a new algorithm was utilized to solve FFLP problems and convert to its equivalent, multipurpose linear programming and solved by lexicography method. Then we compare the results obtained by these two algorithms. Knowing that, all models follow two general purposes: travel cost reduction and optimizing travel time. This paper aims to reduce the time to reach the scene of a car fire, firefighters since the arrival time is the most important factor, in this paper a new algorithm using fuzzy logic to solve the issue as possible. The Results obtained from this algorithm is compared with the model of transport and The results showed that the optimal solution of the model corresponded transport. However, due to high volume transport model calculations using this model instead of the recommended.

کلمات کلیدی:

fully fuzzy models, transportation network modeling, traffic assignment

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