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خلاصه مقاله:

Locating facilities in candidate nodes and allocating relief items to these facilities for emergency response before a disaster occurs, is a common approach to increasing the effectiveness of relief logistics. In this study, human itaria no logistics networks and network restoration are presented in the form of an integrated network, so that the damaged routes are repaired by crews using restoration equipment to distribute reliefitems. In this paper, at wo-stage stochast ic programming model is proposed in order to locate relieffacilities and restoration equipment and distribute reliefitems to demand no desassoon as possible. The objective function minimizes the social costs of the problem such as deprivation cost (i.e., the cost imposed on survivors by the lack of access to critical supplies) and logistics costs undere a chscenario. Also, the flow of trucks carrying reliefitems and repair equipment on the routes is specified. In order to adapt the model to the real world, according to the nature of the effective parameters of the model, two types of structural and functional uncertainties have been considered. The first source is that some uncertain parameters may be base edon futures cenarios which are considered according to the probability of their occurrence. The second source is that the values of the separameters in each scenario are usually imprecise and can be specified by possibility distributions. In this regard, a robust fuzzy stochastic programming approach has been used to solve the model. Possibility the ... or yis use

كلمات كليدى:

شبکه های توزیع امداد و تعمیر مسیرها, عدم قطعیت ترکیبی, لجستیک بشردوستانه, هزینه های اجتماعی

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