عنوان مقاله:

Uncertainty in linear fractional transportation problem

نویسندگان:

Department of Mathematics, Faculty of Mathematics, Statistics and Computer Sciences, Semnan University, Semnan ۳۵۱۹۵-۳۶۳, Iran - - -

Department of Mathematics, Faculty of Mathematics, Statistics and Computer Sciences, Semnan University, Semnan ۳۵۱۹۵-۳۶۳, Iran - - -

خلاصه مقاله:

In this paper, we study the linear fractional transportation problem with uncertain arameters. After recalling some definitions, concepts and theorems in uncertainty theory we present three approaches for solving this problem. First we consider the expected value of the objective function together with the expectation of satisfying constraints. Optimizing the expected value of the objective function with considering chance constrained method for the restrictions is our second approach. In the third approach we add the objective function to the constraints and solve again the problem by chance constrained method. A numerical example is solved by three approaches and their solutions are compaired.

كلمات كليدى:

Transportation Problem, Linear Fractional Programming, Un- certain Measure, Uncertain Variable, Uncertain Programming