

## Accepted Manuscript

A Multi-Start Iterated Local Search Algorithm for the Generalized Quadratic Multiple Knapsack Problem

Mustafa Avci , Seyda Topaloglu

PII: S0305-0548(17)30033-3  
DOI: [10.1016/j.cor.2017.02.004](https://doi.org/10.1016/j.cor.2017.02.004)  
Reference: CAOR 4189



To appear in: *Computers and Operations Research*

Received date: 16 April 2016  
Revised date: 3 February 2017  
Accepted date: 7 February 2017

Please cite this article as: Mustafa Avci , Seyda Topaloglu , A Multi-Start Iterated Local Search Algorithm for the Generalized Quadratic Multiple Knapsack Problem, *Computers and Operations Research* (2017), doi: [10.1016/j.cor.2017.02.004](https://doi.org/10.1016/j.cor.2017.02.004)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Highlights**

- The generalized quadratic multiple knapsack problem is studied.
- A multi-start iterated local search algorithm is developed for its solution.
- The algorithm combines an adaptive perturbation mechanism with local search.
- 35 out of 48 best known solutions are improved for large-size problem instances.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/4959009>

Download Persian Version:

<https://daneshyari.com/article/4959009>

[Daneshyari.com](https://daneshyari.com)