

## Accepted Manuscript

Column generation strategies and decomposition approaches for the two-stage stochastic multiple knapsack problem

D.D. Tönissen, J.M.van den Akker, J.A. Hoogeveen

PII: S0305-0548(17)30038-2  
DOI: [10.1016/j.cor.2017.02.009](https://doi.org/10.1016/j.cor.2017.02.009)  
Reference: CAOR 4194



To appear in: *Computers and Operations Research*

Received date: 7 June 2015  
Revised date: 10 February 2017  
Accepted date: 11 February 2017

Please cite this article as: D.D. Tönissen, J.M.van den Akker, J.A. Hoogeveen, Column generation strategies and decomposition approaches for the two-stage stochastic multiple knapsack problem, *Computers and Operations Research* (2017), doi: [10.1016/j.cor.2017.02.009](https://doi.org/10.1016/j.cor.2017.02.009)

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**

- We study the two-stage stochastic multiple knapsack problem.
- We use branch-and-price and compare two different decomposition approaches.
- The decomposition approaches performance is dependent on the number of knapsacks.
- Time improvements are made by investigating column generation strategies.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/4959015>

Download Persian Version:

<https://daneshyari.com/article/4959015>

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