

## Accepted Manuscript

Multiple Allocation Hub Interdiction and Protection Problems: Model Formulations and Solution Approaches

Prasanna Ramamoorthy, Sachin Jayaswal, Ankur Sinha, Navneet Vidyarthi

PII: S0377-2217(18)30259-5  
DOI: [10.1016/j.ejor.2018.03.031](https://doi.org/10.1016/j.ejor.2018.03.031)  
Reference: EOR 15050



To appear in: *European Journal of Operational Research*

Received date: 16 February 2017  
Revised date: 23 January 2018  
Accepted date: 23 March 2018

Please cite this article as: Prasanna Ramamoorthy, Sachin Jayaswal, Ankur Sinha, Navneet Vidyarthi, Multiple Allocation Hub Interdiction and Protection Problems: Model Formulations and Solution Approaches, *European Journal of Operational Research* (2018), doi: [10.1016/j.ejor.2018.03.031](https://doi.org/10.1016/j.ejor.2018.03.031)

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**

- This paper studies a bilevel Hub Interdiction and trilevel Hub Protection Problem.
- We study efficient methods to reduce the bilevel problem to single level.
- We present different closest assignment constraints to enable this reduction.
- We propose a Benders Decomposition method that solves large interdiction problems.
- Hub Protection Problem is solved using an Implicit Enumeration algorithm.

ACCEPTED MANUSCRIPT

متن کامل مقاله

دریافت فوری ←

**ISI**Articles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
- ✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
- ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات