Accepted Manuscript

A compact optimization model for the tail assignment problem

Oumaima Khaled, Michel Minoux, Vincent Mousseau,
Stéphane Michel, Xavier Ceugniet

PII: S0377-2217(17)30586-6
DOI: 10.1016/j.ejor.2017.06.045
Reference: EOR 14527

To appear in: *European Journal of Operational Research*

Received date: 28 May 2016
Revised date: 10 May 2017
Accepted date: 20 June 2017

Please cite this article as: Oumaima Khaled, Michel Minoux, Vincent Mousseau, Stéphane Michel, Xavier Ceugniet, A compact optimization model for the tail assignment problem, *European Journal of Operational Research* (2017), doi: 10.1016/j.ejor.2017.06.045

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.

ACCEPTED MANUSCRIPT

Highlights

- the tail assignment problem aims at assigning airplanes to flights of a given schedule.
- we propose an improved compact optimization model to minimize operation costs.
- numerical experiments prove the model to be efficient on instances of real-world size.
- an extension of the model integrates maintenance operations.
- a benchmark of test instances of varied size and density is provided in an open source database.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/4959416

Download Persian Version:

https://daneshyari.com/article/4959416

Daneshyari.com