

Algorithmic Methods for Mathematical Models

Course Project

Ignacio Encinas Rubio, Adrián Jimenez González

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1 Problem statement

The formal problem statement

2 Integer Linear Programming Model

The integer linear programming model, with a definition and a short description of the variables, the objective function and the constraints. Do not include OPL code in the document, but rather their mathematical formulation.

Mirar los enunciados de las prácticas, en concreto Lab3

3 Meta-heuristics

For the meta-heuristics, the pseudo-code of your constructive, local search and GRASP algorithms, including equations for describing the greedy cost function(s) and the RCL

3.1 Constructive

3.2 Local search

3.3 GRASP

4 Parameter tuning

5 Results

6 Reproducing the results

maybe setup a script to reproduce results or something...

- OPL source code
- Programs of the meta-heuristics
- Instance generator
- Instructions how to use every of them and how to reproduce results