

Operations Research, Spring 2016

Case Assignment 3

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1 The task for this assignment

You are invited to design a formulation problem and provide its answer. The problem should be new, i.e., not too similar to any problem taught in this course. The problem should be doable, i.e., a solution does exist and may be found by most students in this course. The problem should be challenging, i.e., cannot be solved trivially. Hopefully the problem is creative and interesting.

The problem statement can be written in English or Chinese. The answer should be a complete formulation as a linear program, integer program, or a convex program. It cannot be a nonlinear integer program; it cannot be a nonconvex program.

2 Submission rules

- **Things to submit.** Please put a hard copy of the work into the instructor's mailbox on the first floor of the Management Building 2. Limit your report to six pages, including everything.
- **Deadline.** The deadline of this homework (for both the report and files) is 2:00 pm, May 16, 2016. Works submitted between 2:00 pm and 3:00 pm will get 10 points deducted as a penalty. Submissions later than 3:00 pm will not be accepted.
- **Teams.** Students may form teams to work on this case study. Each team can have at most four students. Each team should submit only one report. All team members must sign on the first page of the hard copy of the report. If one does not sign, she/he will get 10 points off as a penalty.

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