

Hands-on Tutorial on Optimization

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Final Assignment

Problem: Cheese Delivery

- ▶ Swiss cities (the *Chosen Cities*) with access to the KäMaPis
- ▶ Restaurant locations in each city
- ▶ Trucks to deliver the cheese mixture
- ▶ Task: Transport the cheese to the restaurants satisfying their demands and observing certain constraints

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- ▶ Time: 5 days for modeling, implementing, and writing the report
- ▶ Deadline: Oct 11, 2019 at 23:59 (aiB)
- ▶ Mode of presentation: Final report & presentation
- ▶ Problem definition and data: on our homepage
- ▶ Questions? E-mail to Franziska or Ruben

Model and CPLEX Code

- ▶ Roughly 3 days to come up with the model and the implementation
- ▶ Comment your code, i.e., explain parameters, variables, ...
- ▶ Send no later than October 11, 2019 including all the data files you used.

- ▶ Roughly 2 days to write up
- ▶ Between 5 and 10 pages
- ▶ English or German
- ▶ Explanation of each model, including its constraints and its variables in complete sentences
- ▶ Interpretation of the solutions you found with CPLEX
- ▶ Send the final PDF per e-mail no later than October 11, 2019

Final presentation

- ▶ NO slides needed
- ▶ Prepare to explain your model and the code
- ▶ Answer questions about your model, your code, ...
- ▶ Between 20 and 40 minutes per team
- ▶ Fix a date with us for October by e-mail during the upcoming week

Groups?

- ▶ Groups of at most 2
- ▶ Let us know now!