



- 1 The Bologna process scheduling problem
- Our approach
 - User interface with Flapjax
 - Constraint programming with OscaR
- What we learned
- 4 Demo
- Questions



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The Bolognese process scheduling problem

Parts of the problem:

- Modules
- Categories
- total ECTS
- (optimization goal)





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User interface with Flapjax





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Constraint programming with OscaR

Integer Programming

decision variables per possible booking

never double book a Module

book at least Category.min ECTS

obtain enough creditable ECTS

Encapsulating side-effects

- AST as constraint model
- the OscaR monad





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What we learned









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