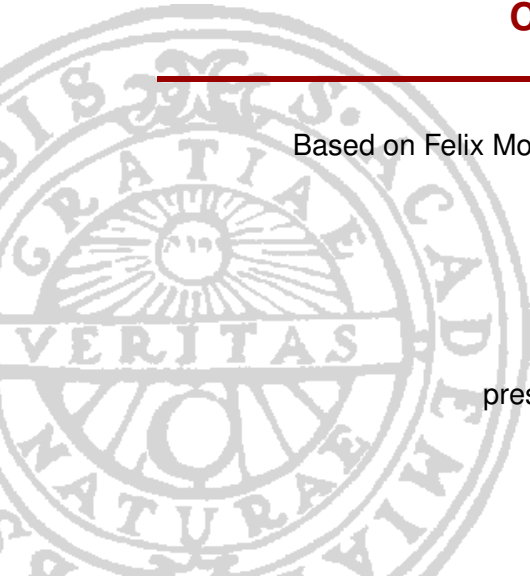


COCF Part 2: Warm up

Based on Felix Morsbach, modified by Petr Binko

Uppsala University
Sweden

presentation of 27th October 2020





Outline

- 1. General Information**
- 2. Installation / Running**
- 3. General Advice**
- 4. Gecode Hands-on**



General Information

- You don't have to be a C++ wizard (but it will help)
- Help?
 - **Gecode Manual** (MPG) ¹
 - Course notes from KTH Gecode course ²
 - E-Mail us: it-COCP@lists.uu.se, not individually
 - ▶ However, **come to the help sessions**, as they are heavily prioritized !
- Follow **Submission Instructions** !
- **Use the demo report** template for this part of the course as you did for minizinc
- Check progress/feedback area, ask for more extensive feedback

¹<https://www.gecode.org/doc-latest/MPG.pdf>

²<http://user.it.uu.se/~pierref/courses/COCP/assignments/CourseNotes.pdf>



Installing / Running Gecode

- Already installed on Linux servers
 - We will not be helping you for personal installations
- Installation Instructions: **MPG**
 - Precompiled binaries available for Windows, Mac, Debian and Ubuntu
 - ▶ Linux packages most likely will be outdated
 - ▶ Will need to compile from source
- Gecode programs are written in C++
 - Compiles to a binary, runs as a binary
 - Use provided Makefiles
- For running experiments:
 - Use the provided Python script³

³http://user.it.uu.se/~pierref/courses/COCP/assignments/gather_stats.py



Some advice from a former student

■ **RTFM**, now !

- At least chapters 1, 2, 3, 4, 7, 8, 11
- Always refer back to it !

■ For assignment 4, exercise 3 there is a table in the demo report, use it (both for you and for us) !

■ Don't be overwhelmed, use code-skeletons and take the tasks one at a time

■ Model iteratively

- Gecode error messages can be cryptic compared to MiniZinc, especially when mixed with C++ errors.



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Gecode Hands-on

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