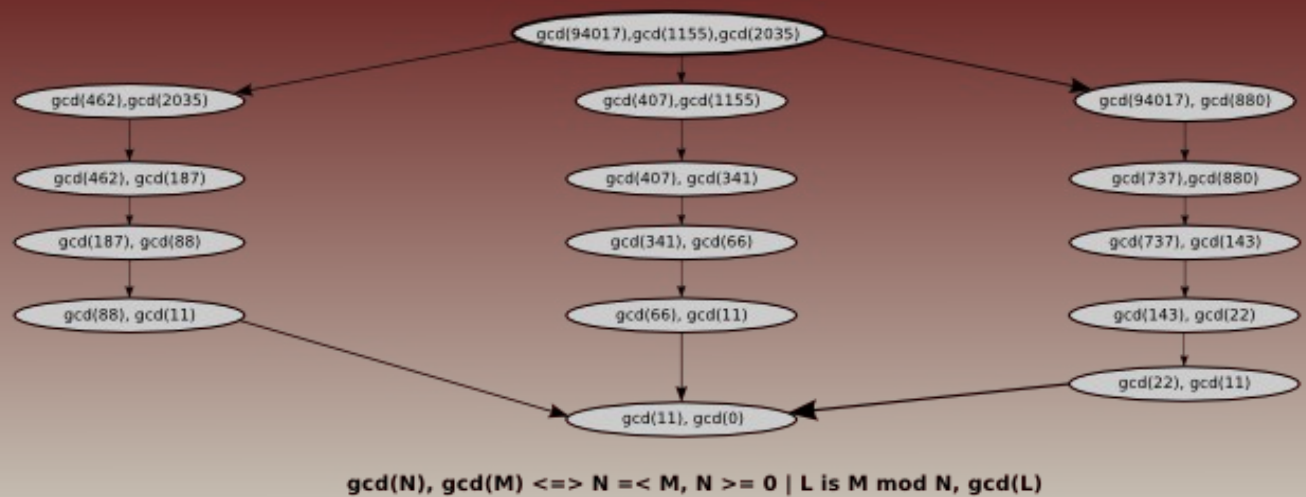




CHR Research Group Ulm



Practical / Projekt / Individualpraktikum

Development of a Visual Tracer for Constraint Handling Rules

Project Details:

The operational semantics of CHR requires that rules are applied until exhaustion, i.e. until no more rules are applicable. Therefore, a program run usually contains no information on which rules have been applied.

The task in this practical course is to modify a Java-based CHR compiler in order to extract information about rule firings and visualize the trace of a program run.

We offer:

- Excellent assistance
- Possibility for subsequent master or diploma theses
- Possibility for scientific publications
- Future use of your work in lectures and research
- Connect to world-wide community of CHR researchers

We expect:

- Dedication
- Basic knowledge of Java
- Interest to learn CHR

Background Information on CHR:

Constraint Handling Rules (CHR) is a powerful rule-based declarative programming language, invented by Prof. Frühwirth in the early 90ies. Our research group in Ulm is actively working on improving and extending CHR in cooperation with researchers and industrial partners from all over the world.

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