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Sebastian Hack  
Christoph Weidenbach

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**Tutorials for “Advanced C”**  
**Exercise sheet 1**

**Exercise 1.1:** (0 P)

If not done so far, make yourself familiar with the C programming language. For example, write some small module implementing lists plus some simple user interface where you can add or remove numbers to a list. Use the tools gcc, gdb, make and vim or (x)emacs as an editor.

**Exercise 1.2:** (6 P)

Develop the key data structures (literals, clauses, ...) and the key algorithms (unit propagation, ...) on these data structures for the DPLL procedure. No programming, paper work. Explain your decisions.

Submit your solution in lecture hall 024 of the MPI-INF during the lecture on October 28. Please write your name and the date of your tutorial group on your solution.

**Note:** Joint solutions are not permitted.