

Coursework Alternative

This coursework is worth 25% and is due on 13 December at 16:00. You are asked to prove the correctness of a regular expression matcher with the Isabelle theorem prover. This theorem prover is available from

<http://isabelle.in.tum.de>

There is a short user guide for Isabelle called “Programming and Proving in Isabelle/HOL” at

<http://isabelle.in.tum.de/documentation.html>

and also a longer (free) book at

<http://www.concrete-semantics.org>

If you need more help or you are stuck somewhere, please feel free to contact me (christian.urban@kcl.ac.uk). I am a main developer of Isabelle and have used it for approximately the last 14 years.

Problem