

Projet PiCoq  
Deliverable D4  
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Damien Pous did also pursue the work he started with Thomas Braibant, on Coq tactics and decision procedures for relation algebra. He recently released **RelationAlgebra**, a modular Coq library for relation algebra, including a decision tactic for Kleene algebra with tests (KAT) and its Hoare theory. This library was presented during an invited talk at RAMiCS, september 2012. We plan to integrate the aforementioned algorithm to that library, and to start the formalisation of concrete concurrency theory using the tools provided by this library.

This library is available at <http://perso.ens-lyon.fr/damien.pous/ra/>.