

Reconstruct all formal verification experiments for Qlock found on lecture notes 1 & 2 with CafeOBJ, CafeInMaude, CafeInMaude Proof Assistant (CiMPA) and CafeInMaude Proof Generator (CiMPG) and write your understandings on them as a report.

You need to include screen shots so that the lecturer can recognize that you have surely reconstructed all formal verification experiments yourself.

You can find CafeOBJ on the following page:

<https://cafeobj.org/>

Please use CafeOBJ System Version 1.5.7.

You can find Maude on the following page:

[http://maude.cs.illinois.edu/w/index.php/The\\_Maude\\_System](http://maude.cs.illinois.edu/w/index.php/The_Maude_System)

You can find CafeInMaude, CiMPA, CiMPG and all files used on lecture notes 1 & 2 on the following page:

<https://github.com/ariesco/CafeInMaude>

You are supposed to submit the lecturer one report in pdf and all files used to reconstruct the formal verification experiments by the designated submission deadline.