

Assignment 03 – “Prolog”^{*}

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repo: <https://bitbucket.org/mrossi/pps2017-asg03-prolog>[†]

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Description of the code you provide¹

- Full solution to labs 10 and 11
- Full solution to lab 11, along with additional functions
- Created and compared Prolog vs Scala implementation of some algorithms
- Created a mini-game calling Prolog intelligence
- ...

Techniques used²

- Prolog search-space abilities
- Prolog use of unification and variables
- Java-tuProlog integration
- Compared monads and LP
- ...

Self-evaluation³

...

^{*}Produce a documentation according to this template. Try to keep this document in one page, overall work no more than 6-7 hours, do the job yourself, deliver before the exam, consider the possibility of doing it this very week. Erase this and all other footnotes at the end before submitting.

[†]You have to implement some nice code that involves Prolog (be excellent and rely on logic programming, also exercise a multi-paradigm approach if you can): it can be some solution to problems given in lab or some variation of it, it can be some new Prolog code, a mini-JVM-application demoing Java/Scala/Prolog, it can be a better Scala wrapper for tuProlog, or it can be everything else you want and like (just stay within 6-7 hours of work). Please name your project exactly `pps2017-asg03-prolog`, and perform meaningful commits. Be sure the repo is visible and do not modify it after submission.

¹As example we here indicated some possibilities.. depending on time, you could do one or more things.

²Please list the LP-related features you believe you have correctly exercised, and hence, understood.

³Add a max 10 lines evaluation of this experience, reporting what you think about Prolog and LP, about what you have learned of it, and about this specific assignment: what went good, what bad, and so on.