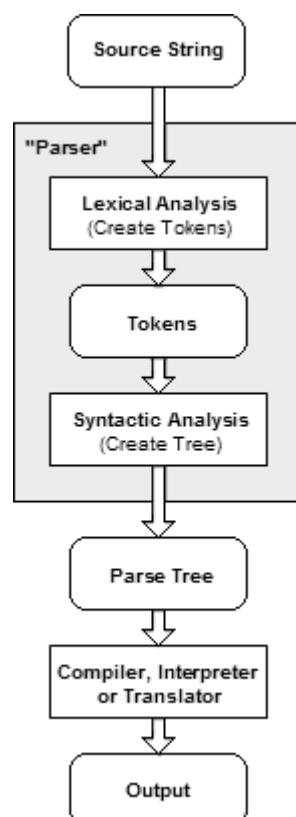# JavaAutomata

A Java application capable of parsing, compile and interprete from .descr file.
App

Features:

- Parsing from .descr file into automata
- Export to .descr, .dot and .png
- Transforming from Non-Deterministic to Deterministic
- Read, interpretate and analyse the automata using graph evaluation

How it works

.descr file:

```
line C (comment) ::= C
line M (meta) ::= M µ : the metacharacter representing lambda (d
line V (in) ::= V "c[c]*" : input words (mandatory)
line O (out) ::= O "c[c]*" : output words (mandatory)
line E (nb) ::= E i : number of states (E = 0..N-1) (mandatory)
line I (init) ::= I i[ i]* : initial states (default : 0)
line F (final) ::= F [i[ i]*] : final states (mandatory)
line T (trans) ::= i 'x' i 'x' : ExVxExO transition
```

How to use?

Simply launch `sh launch.sh`
The UI is quite intuitive, to use.