GitHub repo: https://github.com/neniscamaria1/Parser

FA.in: Specification := States Alphabet InitialState FinalStates Transitions

* First line: set of states:

Alphanumeric := ‘0’ | .. | ‘9’ | alpha

alpha := ‘a’ | … | ‘z’ | ‘A’ | … | ‘Z’

Space := “ “

State := alpha{alphanumeric}

States := State space {State space} \n

* Second line: alphabet:

Alphabet := alpha space {alpha space} \n

* Third line: initial state

InitialState := State \n

* Forth line: final states

FinalStates := State space {State space} \n

* The next lines: transitions: on each line a new transition

Transitions := {State “,” {alpha} “->” State \n}

We added to the LexicalScanner class new attributes:

* fa\_id: the FA for identifiers with EBNF:
* fa\_\_const\_number: the FA for constant numbers