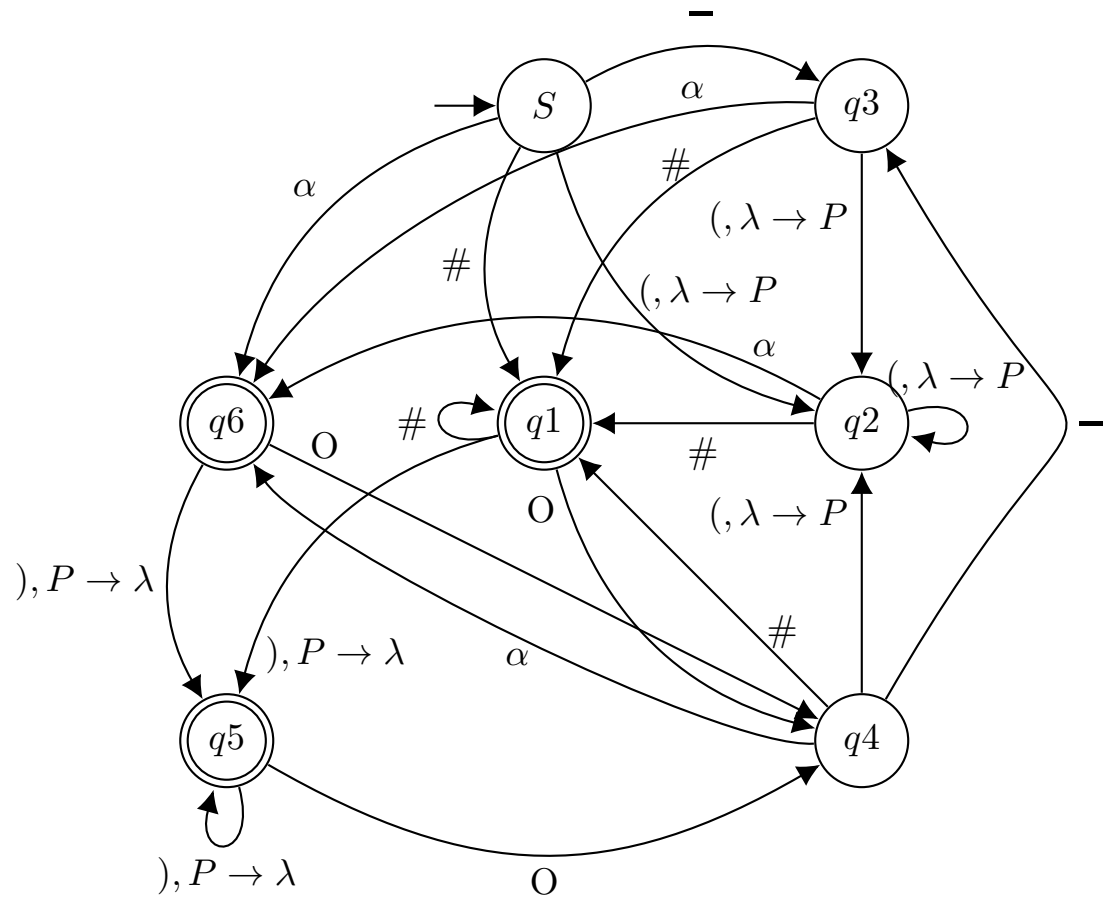


EECS510 Arithmetic Language Automaton

Jake Kice

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$$\begin{aligned}\alpha &= \{a, b, \dots z\} \\ \# &= \{0, 1, \dots 9\} \\ O &= \{+, -, *, /, \%, \wedge\}\end{aligned}$$

Note: all transitions other than left paren and right paren are stack agnostic (they ignore the stack). As such, all transitions in the diagram that do not show stack interaction can be considered as $s, \lambda \rightarrow \lambda$, where s is the input symbol.