

There was a question in cs316 lab on Wed 9 about our first cut regular expression $. * @ . *$ to represent an email address. The question was: since “.” is a wild card representing any character (except the new line character), doesn't it match “@” too.

The automaton below represents a regular expression $(a + b + c)^* a (a + b + c)^*$ to mimic our regular expression for an email address. Convert this automaton into a deterministic automaton and observe how the strings generated by the regular expression are accepted by the deterministic automaton.

