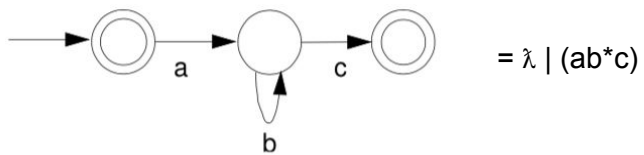
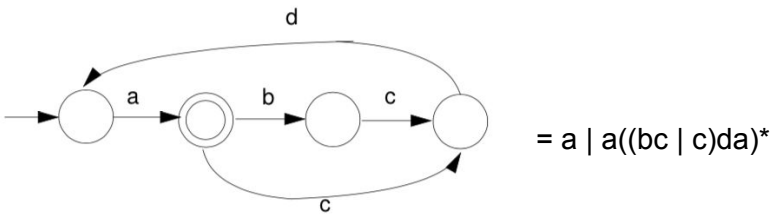
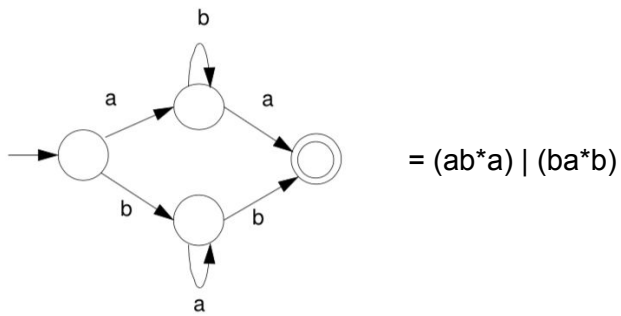


Brendan Van Allen
Lab 2

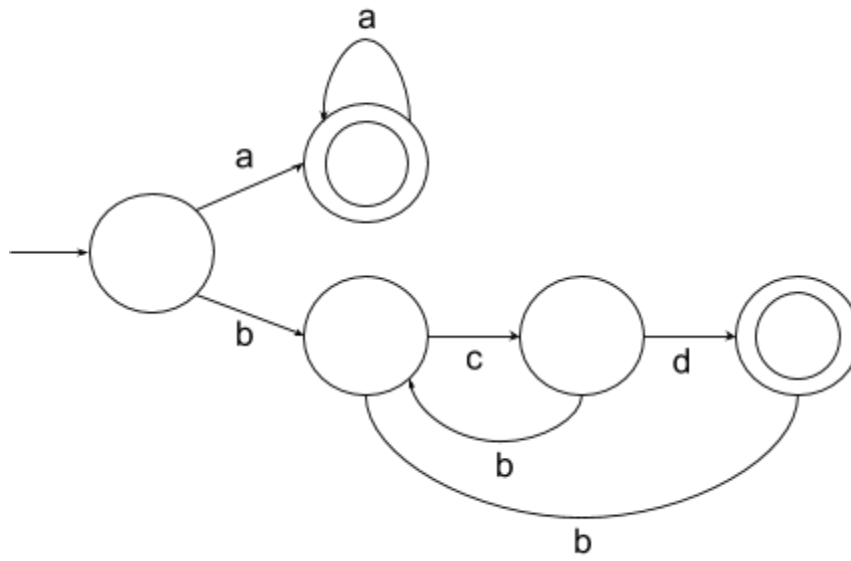
CaC 3.3

Write regular expressions that define the strings recognized by the FAs in Figure 3.33 on page 107.

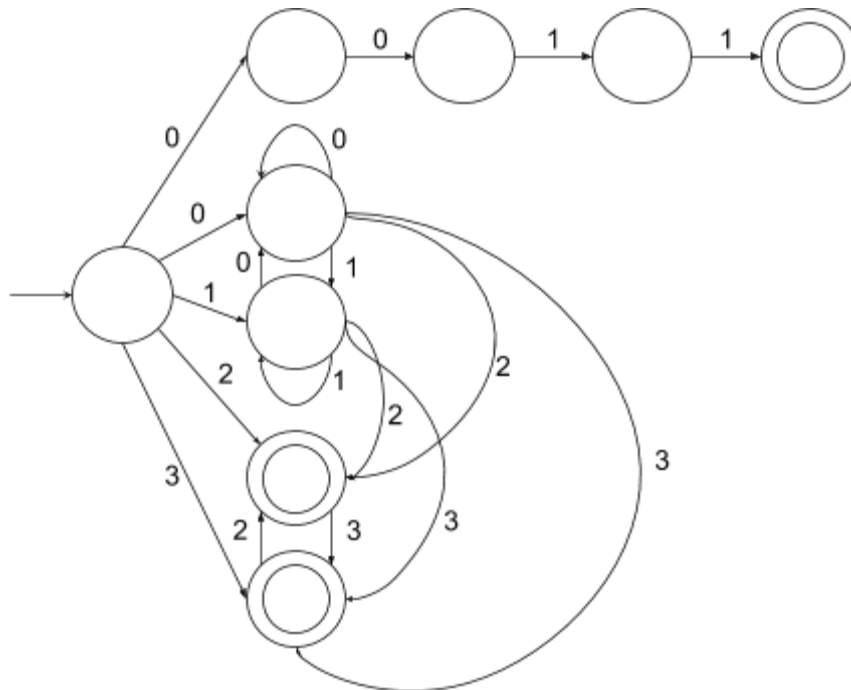


CaC 3.4

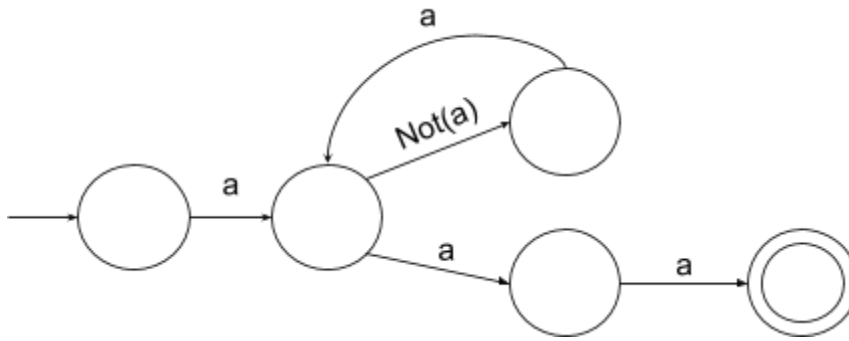
a. $(a \parallel bc)^*d)^+$



b. $((0 \mid 1)^*(2 \mid 3)^+ \mid 0011)$



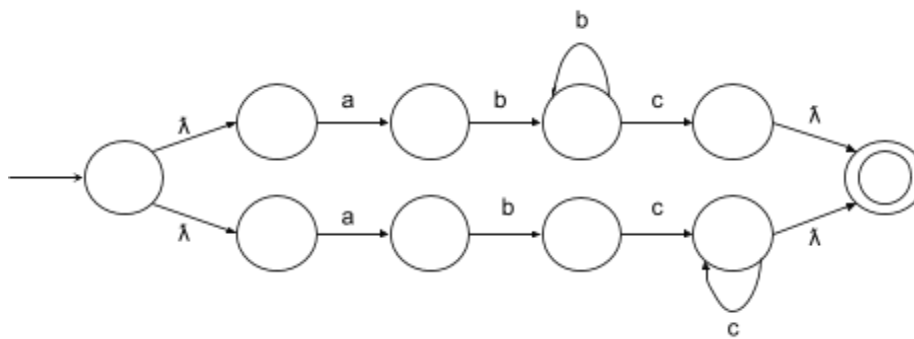
c. $(a \text{ Not}(a))^*aaa$



CaC 3.15

$(ab^*c) \mid (abc^*)$

NFA:



Using MakeDeterministic, translate the NFA into a DFA. Using the techniques of Section 3.8.3, optimize the DFA you created into a minimal state equivalent.

Dragon 3.3.4

$(s \mid S)(e \mid E)(l \mid L)(e \mid E)(c \mid C)(t \mid T)$