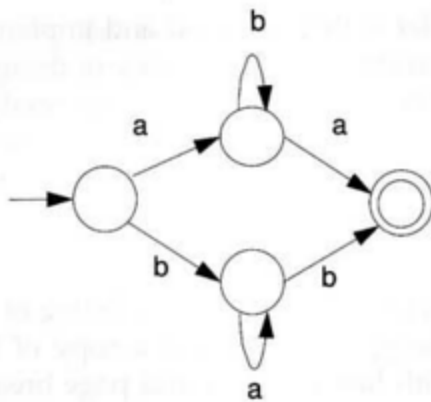
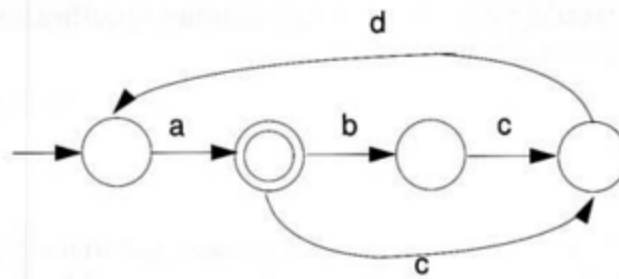


Crafting a Compiler

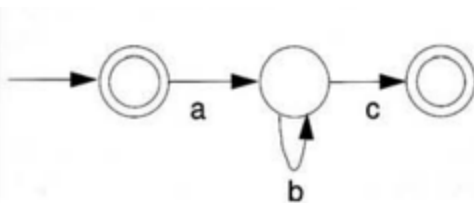
3.3



$(a^*b^*a) \mid (b^*a^*b)$



$a(b^* \mid c^*)c(d \mid a)$



a^*b^*c

3.4

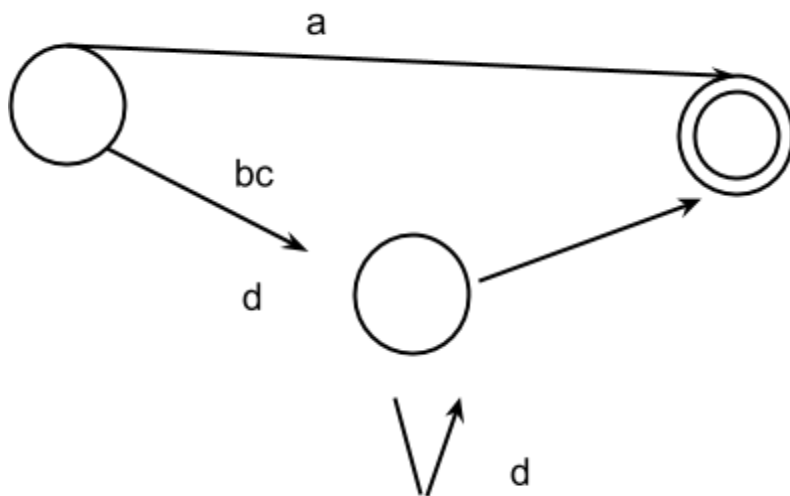
4. Write DFAs that recognize the tokens defined by the following regular expressions:

(a) $(a \mid (bc)^*d)^+$

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

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

a)



b

