

Lab Two

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1 CRAFTING A COMPILER

3.3

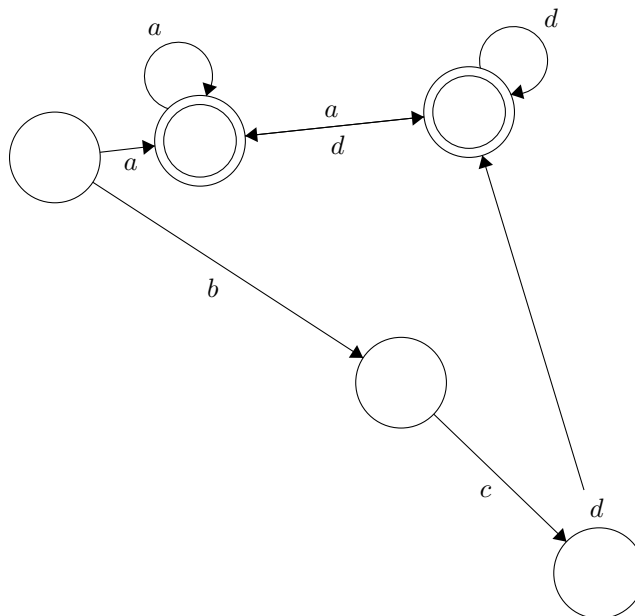
1) $(a|b)(a^+|b^+)(a|b)$

2) $a(bcda|ccda)^*$

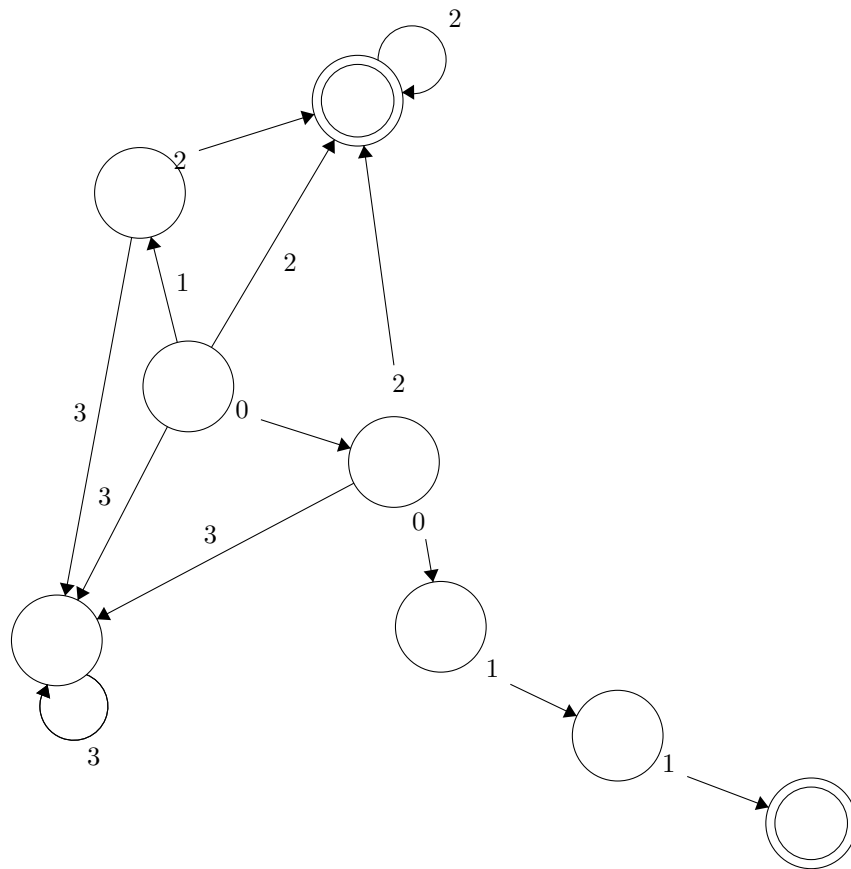
3) $\backslash s(ab+c)^*$

3.4

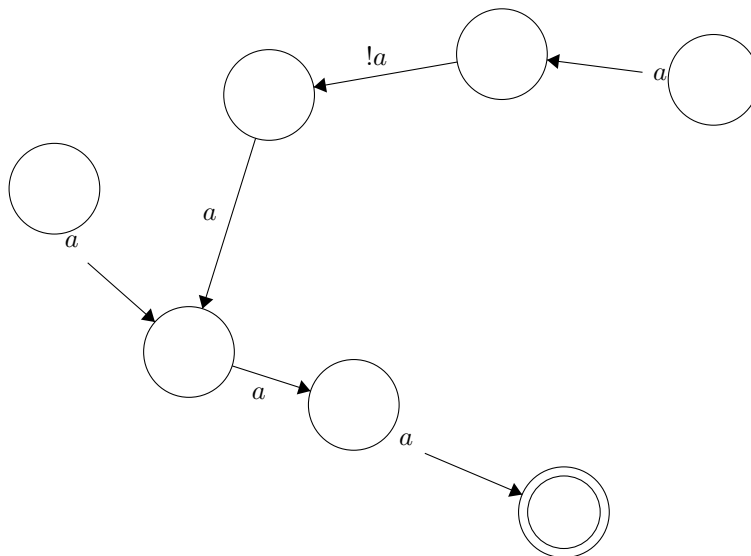
a)



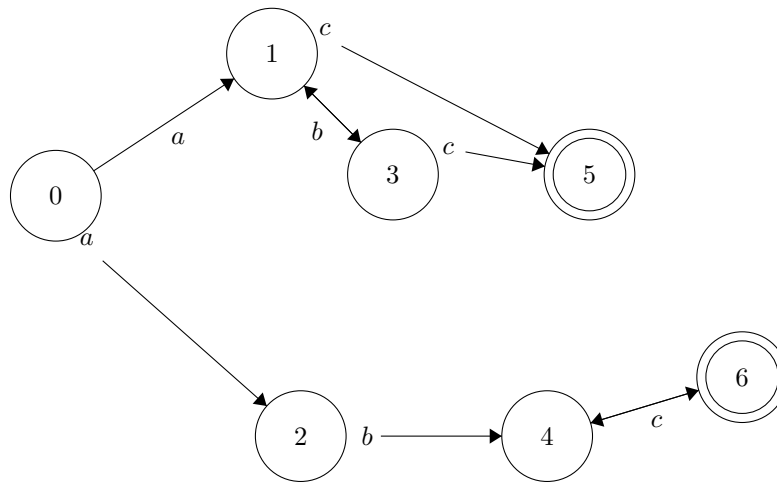
b)



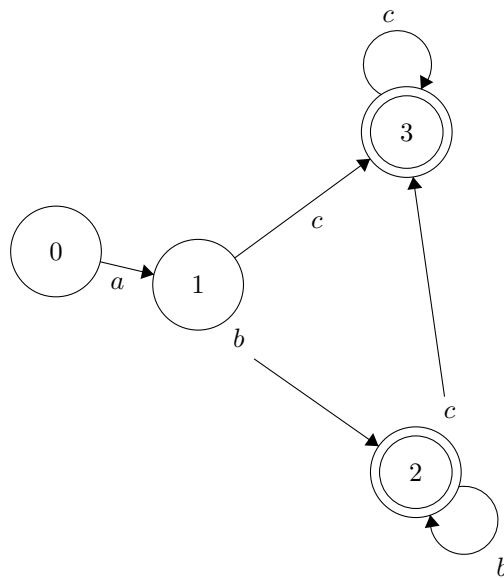
c)



3.15
Transition Table to DFA



NFA



DFA

2 DRAGON

3.3.4

The RegEx for a Select statement in SQL is `[Ss][Ee][Ll][Ee][Cc][Tt]`. This statement allows either a lowercase or capital letter for each character.