

Lab One

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1 EXERCISES

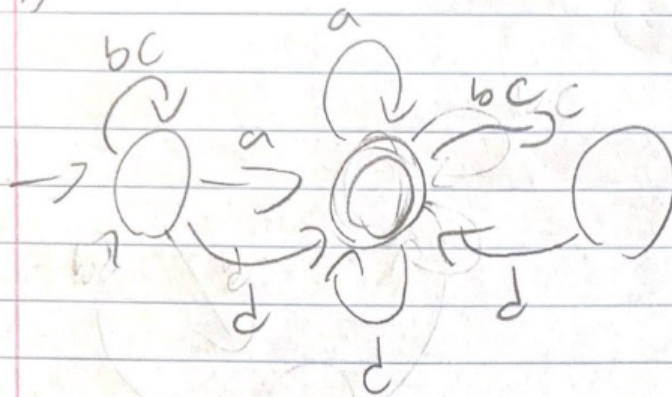
1.1 CRAFTING A COMPILER

1.1.1 3.3 DFA \rightarrow REGEX

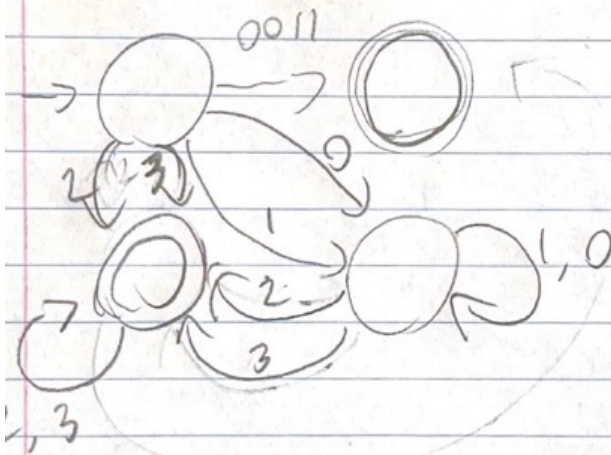
1. $(ab^*a|ba^*b)$
2. $a|(a(bc|c)da)^+$
3. $(\epsilon|ab^*c)$

1.1.2 3.4 REGEX -> DFA

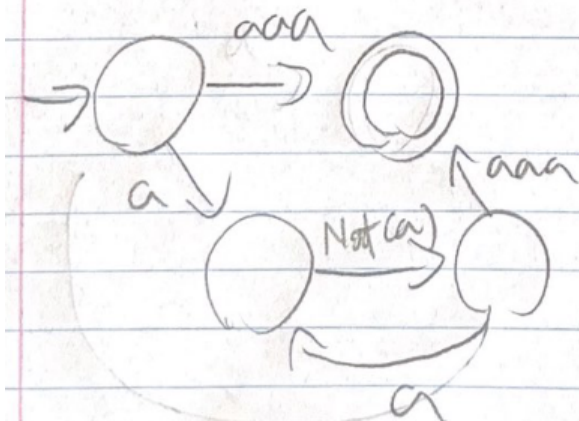
1)



2)



3)



1.2 DRAGON

1.2.1 3.3.4 CASE INSENSITIVITY

General case insensitivity - [a-zA-z]*

RegEx for SELECT (SQL) - (s|S)(e|E)(l|L)(e|E)(c|C)(t|T)