

Lab2

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1 *Crafting A Compiler*

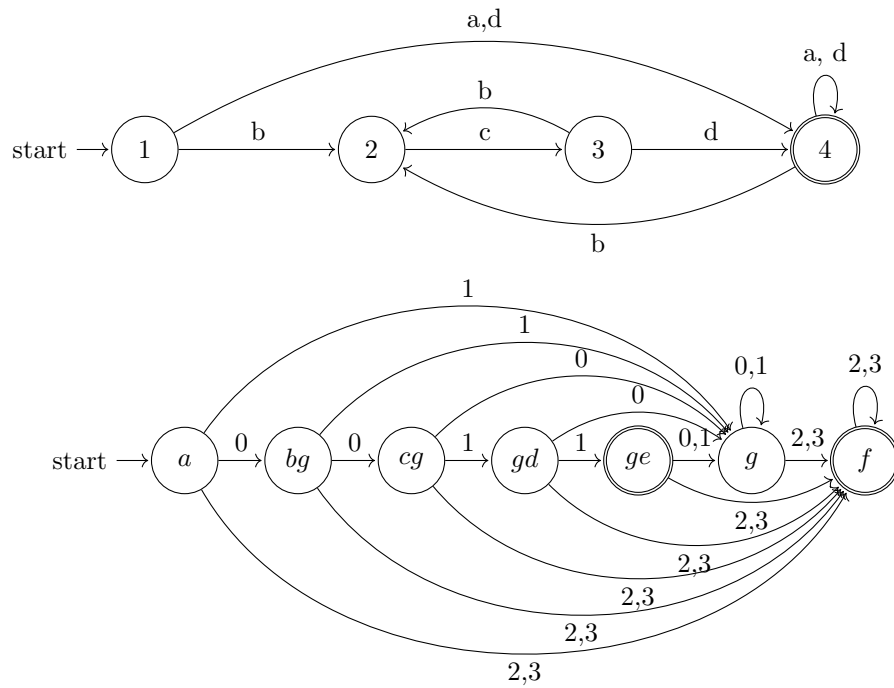
1.1 Exercise 3.3

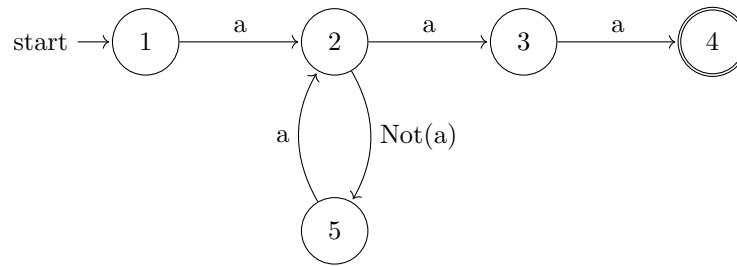
1.1.1 $(ab^*a)|(ba^*b)$

1.1.2 $a(b?cda)^*$

1.1.3 $(ab^*c)?$

1.2 Exercise 3.4





2 *Dragon*

2.1 Exercise 3.3.4

To make a keyword case-insensitive, each character in the keyword should be a choice between uppercase and lowercase. Combine all the choices together to get the keyword.

For **SELECT** in SQL, this would look like:

select $\rightarrow (S|s)(E|e)(L|l)(E|e)(C|c)(T|t)$