

# Lab2

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## 1 *Crafting A Compiler*

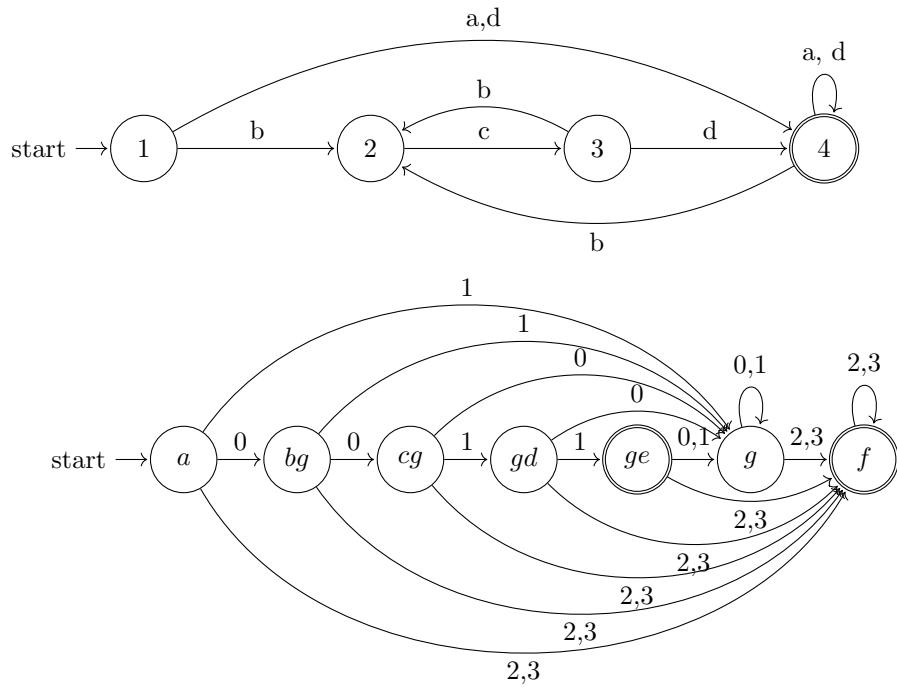
### 1.1 Exercise 3.3

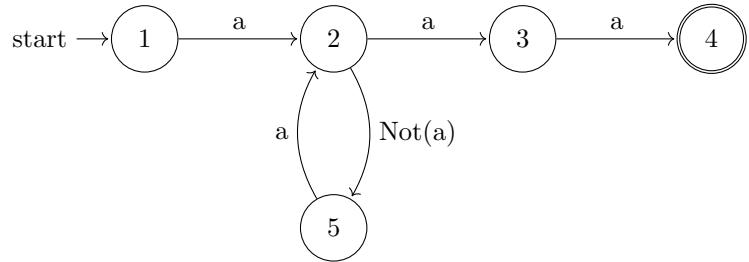
1.1.1  $(ab^*a)|(ba^*b)$

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- > (S|s)(E|e)(L|l)(E|e)(C|c)(T|t)*