Design of Compilers: Lab 2

Exercises 3.3 & 3.4

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February 7, 2021

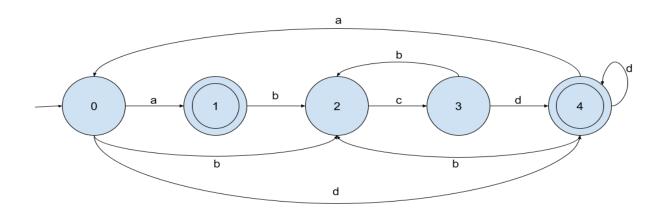
CMPT 432 SPRING 2022

Crafting a Compiler: 3.3 Write regular expressions that define the strings recognized by the FAs in Figure 3.33 on page 107.

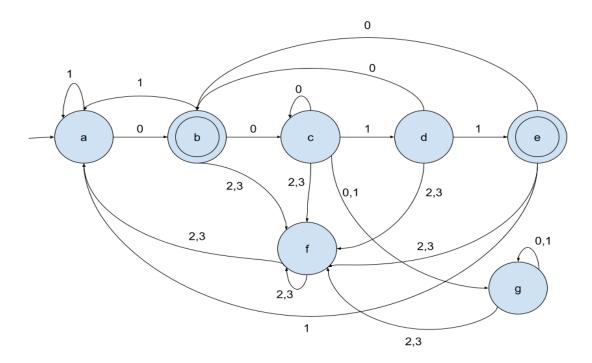
- 1. ab*—ba*b
- 2. a(bcda)*(cda)*
- 3. NULL (ab*c)

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

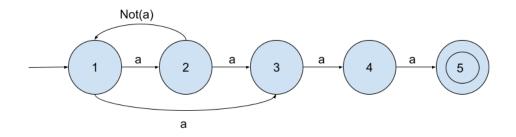
a.



b.



c.



Dragon: 3.3.4 Show how to write a regular expression for a keyword in a case-insensitive language. Illustrate the idea by writing the expression for "select" in SQL.