

CPSC-402 Report

Compiler Construction

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Abstract

Short summary of purpose and content.

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1 Introduction

Replace this entire Section 1 with your own short introduction.

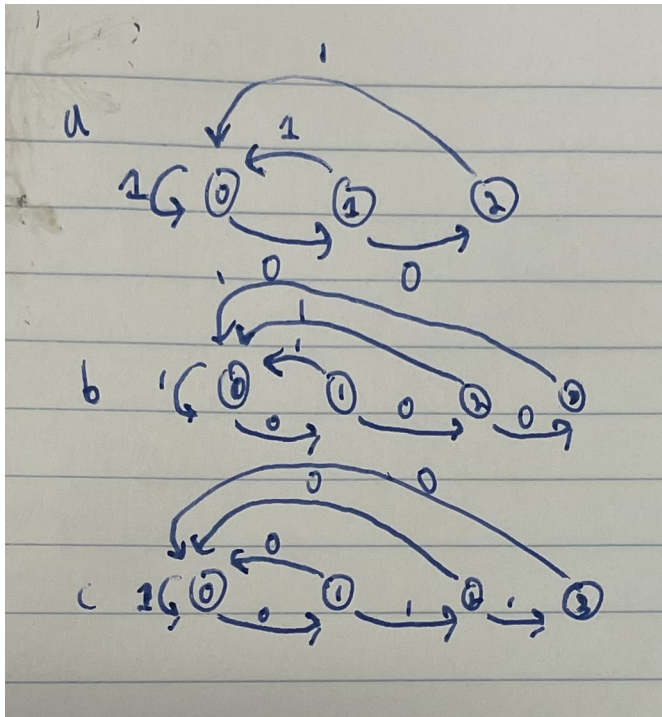
1.1 General Remarks

2 Homework

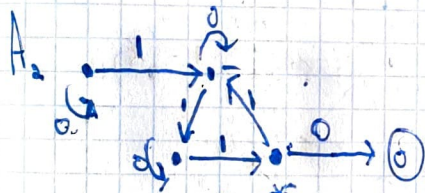
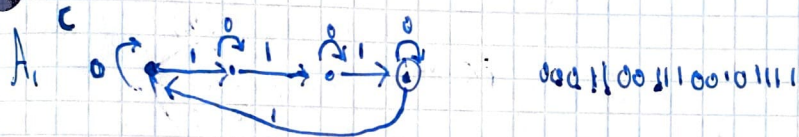
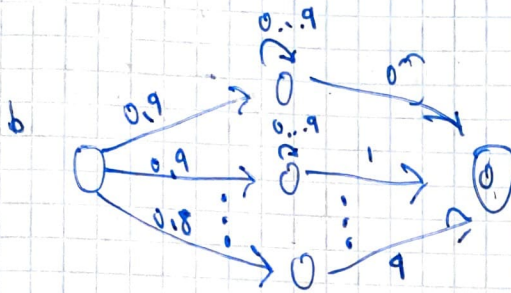
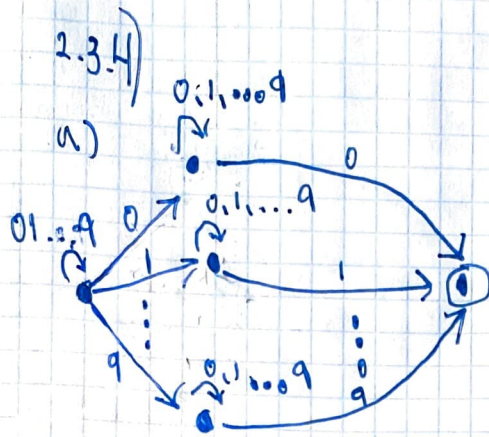
2.1 Week 1

Exercise 2.2.4 Give DFA's accepting the following languages over the alphabet 0, 1:

- a) The set of all strings ending in 000
- b) The set of all strings with three consecutive 0's (not necessarily at the end).
- c) The set of strings with 011 as a substring



2.2 Week 2



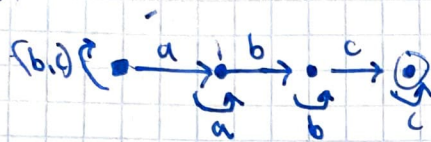
I want to "catch" allowable multiples of 4 in this loop...

2.5.3

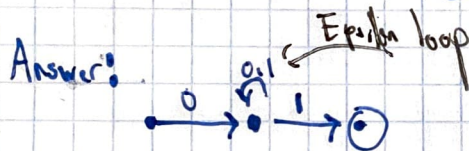
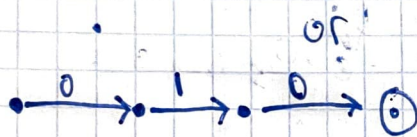
a)

$\{a\}$ ✓
 $\{a^2b\}$ ✓
 $\{aaaaabbbcc\}$ ✓
 $\{b\}$ x
 $\{c\}$ x

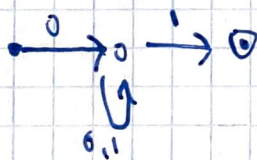
b)



b) $\begin{matrix} 2 \\ 01 \\ 0101 \end{matrix}$



c)



...

3 Project

4 Conclusions

References

[HMU] John E. Hopcroft, Rajeev Motwani, Jeffrey D. Ullman: [Introduction to automata theory, languages, and computation](#), 3rd Edition. Pearson international edition, Addison-Wesley 2007