

**Department of Computer Science
University of Massachusetts Lowell
COMP.3040 Foundations of Computer Science
Summer 2019**

**Homework 2 [9 points]
Handed out: 5/26/2019
Due on 6/16/2019**

Homework #2 – Chapter 1: DFA, NFA

Do the following problems from Chapter 1 of the Text

- 1.3
- 1.4: a, c, e, f, g
- 1.5: c, d, e, f, g, h
- 1.6: a, b, c, d, e, f, g, h, I, j, k, l, m, n
- 1.7: b, c, d, e, g, h
- 1.8: a, b
- 1.9: a, b
- 1.10: a, b, c
- 1.12
- 1.13
- 1.16
- 1.17: a, b
- 1.18
- 1.20: a, b, c, d, e, f, g, h
- 1.21
- 1.22

Deliverables

- **Only latex files will be accepted—no hand written submissions please**
- **pdf must also be submitted**
- Create a directory `firstname.lastname/hwn` where `n` is the homework number and store all the files in this directory. Tar this directory and submit it [you need to tar it such that `untar` will preserve your full path]

Deadline and Late Submissions

- The assignment is due on the date specified above at 11:59:59 PM
- Each day late will incur a penalty of 10% of the grade for the assignment; for example, if the assignment is 3 days late, the maximum grade will be 85 out of 100—15 will be subtracted from whatever grade is assigned.