

CS 3133 Foundations of Computer Science
C term 2018

Homework 3, due Tuesday, February 6

READING: Chapters 4, 5, 6.

1. Exercise 1 on page 184. (20 points)
2. Exercise 11 on page 185. (20 points)
3. Exercise 12 on page 185. (20 points)
4. Design an NFA that accepts the following language over the alphabet $\{a, b, c\}$:

$$(abc)^*(ab)^*$$

(20 points)

5. Exercise 36 on page 187. (20 points)