Theory of Computation
Homework 6.

Due Date: Wednesday, October 24 (note: you have 2 weeks).

Chapter 3, No. 1 (note that a data configuration is a pair \((s, \sigma)\) where \(s\) is the portion of the input string that has been read and \(\sigma\) is the current stack contents read from bottom to top).

Chapter 3, No. 2(iv);
in addition, give a Deterministic PDA for the problem in part iii.

Chapter 3, No. 6 (note that the last part is the same as No. 1(iv); there is no need to answer this a second time).

Chapter 3, Nos. 3,17b(iv). Note the last line of the problem should read:
Define \(T(L) = \text{Remove-One-c}(L) = \{x \mid x \in \text{Remove-One-c}(w) \text{ for some } w \in L\}.\)