

CS 3500 Section C, Fall 2000

Homework 5 – due Tuesday, Sept. 26

Problem 1 Problem 2.7 (a,b), page 120 of *Sipser*.

Problem 2 Problem 2.11, page 121 of *Sipser*.

Problem 3 Problem 2.17 (a), page 121 of *Sipser*.

Hint: construct a PDA for $C \cap R$ using a product construction between a PDA for C and a DFA for R .

Problem 4 Problem 2.20, page 122 of *Sipser*.