# Automata and Formal Languages <br> Homework Set 7 <br> Dec. 17, 2003 <br> http://staffweb.ncnu.edu.tw/shieng/course_fa03.htm 

Problem 1 Do Exercises 3.1, 3.5, 3.7, and 3.8 (a).
Problem 2 Show that the collection of decidable languages is closed under the operations of

1. union.
2. concatenation.
3. star.
4. complement.
