ERRATA IN CSC 238/B38 NOTES — Fall 1998

(1) p. 10. In l. 9 of Section 0.6, ‘extensional’ should be ‘intentional’.

(2) p. 44, l. 4: ‘the the’ should be ‘the’.

(3) p. 69. The first line of the figure should be ‘$\textsc{Merge}(A, f, m, \ell)$’ (instead of ‘$\textsc{Merge}(f, m, \ell)$’).

(4) p. 80. In l. 4 after Equation (2.21), ‘some constants’ should be ‘some real constants’.

(5) p. 84. In the next to last line, ‘n-but’ should be ‘n-bit’.

(6) p. 85, Figure 2.5: In the first line of the Precondition, ‘*rec*’ should be ‘*res*’.

(7) p. 97, Example 3.2: In l. 2, ‘$\tau_1(S) = 1$’ should be ‘$\tau_1(U) = 1$’; in l. 3, ‘$\tau_1^*(S) = 1$’ should be ‘$\tau_1^*(U) = 1$’.

(8) p. 110, statement of Theorem 3.14: In l. 2, ‘equivalent to F’ should be ‘equivalent to P’.

(9) p. 118. In l. 1 of the last paragraph, $\mathcal{F}$ should be $\mathcal{H}$.

(10) p. 129, Definition 4.3: In item (1), ‘A set D’ should be ‘A nonempty set D’.

(11) p. 135, Rule **V**: In l. 3, ‘R' is logically equivalent to R’ should be ‘F' is logically equivalent to F’.

(12) p. 136. In the first line after rule **IIf**, ‘if’ should be ‘of’.

(13) p. 137. In l. 12 of Section 4.7, ‘there is a number that is greater than every number’ should be ‘there is a number such that every number is greater than it’.

(14) p. 145, l. 22: ‘$(y')^R(x)^R$’ should be ‘$(y'a)^R(x)^R$’; one line below, ‘$y = y'$’ should be ‘$y = y'a$’.

(15) p. 150: Property (a) is not adequately stated; a corrected version of this page was distributed in class.

(16) p. 156. In l. 9 of Example 5.6, ‘obvous’ should be ‘obvious’; in l. 5 of Example 5.7, ‘can convince’ should be ‘can we convince’.

(17) p. 158. In l. 7 of Section 5.2.6, the regular expression ‘$1(01^*01^*)^*$ should be ‘$1^*(01^*01^*)^*$. The same error occurs two lines below.

(18) p. 169. In l. 3 after Figure 5.6, ‘one symbol, 0’ should be ‘one symbol, 1’.

(19) p. 173, second sentence of the last paragraph of Example 5.16: The claim that the DFSA in Figure 5.8(b) is the *smallest* that accepts the language $(0 + 1)^*1$ is false. A two-state DFSA exists that accepts that language.

(20) p. 176, Definition 5.16: In l. 1, '$\delta : Q \to Q$' should be '$\delta : Q \to \mathcal{P}(Q)$'. In l. 2, '$\delta^* : Q \to Q$' should be '$\delta^* : Q \to \mathcal{P}(Q)$'.

(21) p. 177, l. 21: '$\widehat{q} \in Q$' should be '$\widehat{q} \in \widehat{Q}$'.

(22) p. 178, nondeterministic automaton at the top of the figure: The labels on the transitions between states c and e should be exchanged. That is, the transition from e to c should be labeled 1, and the transition from c to e should be labeled 0. (Otherwise, the subset construction shown at the bottom of the page is not correct.)

(23) p. 188, Equation (5.9): '$\delta(q_i, a) = q_j$' should be '$q_j \in \delta(q_i, a)$' (since we assume the automaton is nondeterministic).