Errata listed on January 2007 for:

Advanced Database Systems
by
Zaniolo, Ceri, Faloutsos, Snodgrass, Subrahmanian and Zicari
Morgan Kaufmann Publishers, 1997

Part III: Complex Queries and Reasoning

Chapter 8

• Page 170, Five lines from bottom. “If \( R \) has \( n \) columns and \( S \) has \( m \) columns ...” should instead be: “If \( R \) has \( m \) columns and \( S \) has \( n \) columns ...

• Page 181, Figure 8.1. “basic_subpart” should be replaced with “basic_subparts” Arcs originating from built-in predicates such as ‘\(<\)’ have been (intentionally) omitted from the figure.

• Page 181, Definition 8.4. The third line in the definition begins with: “\( arcg \rightarrow b \)” This should be replaced with “\( arcg \rightarrow h \)”.

Chapter 9

• Page 218, Example 9.15. The predicate name in the head of the last rule, and the final goal should be sg down, rather than down.

• Example 9.19. The head of the third rule should be \( m:stsg(XP, KP) \) (rather than the current \( m:stsg(X, K) \)

• Page 248, first line after Example 10.10: Replace the word “anc” by the words “delta_anc and all_anc”

Chapter 10

• page 210, line 24. The second rule (an exit rule) should be:

\[
\text{anc}(X, Z) \leftarrow \text{parent}(X, Z).
\]

The recursive rule is correct.

• page 210. Change the an first rule in Example 9.5 as described above. Also the exit rule for the nonlinear version of ancestor should be changed in the same way.
Page 241, Example 10.4. In the caption of this example change “integers” to “even integers”

Page 227, line 15. “The magic rules for Example 9.8” should instead be “The magic rules for Example 9.9”

Page 247, Example 10.9. The first goal in the last rule should be pre_first_q(0), and not_pre_q(0).

Page 249, Example 10.11 The order of the last two rules was switched.

Page 253, Example 10.12. Eliminate the first argument (i.e., 0) from the goal of the first rule. Page 259, line 18 The item (i) should read: “(i) $B(Z)$ denotes the conjunction of all the goals of r that are not choice goals,” and

Page 262, Example 10.23. Add the following statement: “$n(X)$ in Example 10.23 denotes the nodes of the graph.”