

Errata List for *Sweet Reason Edition 2*, by Henle, et. al.
List updated 10/31/12.

| <u>page number</u> | <u>change</u> |
|--------------------|---|
| 10 | Henle says these exercises are easy, but that's an error. The answer to exercise 14 is $Wa \wedge \forall x \exists y Pxy$. This is a difficult exercise even for an end-of-semester question, so the question's very existence within Chapter One is a (slight) error. |
| 10 | After the picture of the ice cream cone, Henle gives instructions for problems 17-26. Question 18 is about $Nxi \wedge Nxj$ and it asks you to "Find x such that the statement is true." The expression in 18 is NOT a statement, but merely a form of symbols which can be a statement if you substitute a constant for the variable. The answer to the question is $Nbi \wedge Nbj$, which IS a statement. |
| 38, line 3b | Old: "A" standing for "And." New: "^" standing for "And." |
| 72 | In problem 13, change "Choose premises and conclusion from" to "Choose premises from". |
| 72 | In problem 14, change "Choose premises and conclusion from" to "Choose premises from". |
| 99 | line 2. Change "cycle ends doesn't" to "cycle doesn't" |
| 114 | In problem 14, change "Find a wff" to "Find the simplest wff not containing \uparrow " |
| 131 | line 4b (fourth line from bottom). The use of "M" as a predicate violates the grammar rule on p. 192 that only letters from "N" to "Z" are allowed for predicates. |
| 132 | line 5b. Change "the front of the alphabet, A-M for sentence letters and letters at the end, N-Z for predicate letters." to |

“the front of the alphabet, A-M (except F), for sentence letters and use letters at the end, N-Z (except T), for predicate letters.”

- 136 line 10b. Change “Pxy is a wff of predicate” to “Pxy is a wff of Predicate.”
- 165 4th line after the box. Change “possibility that a universe is empty” to “possibility that (the domain of) a universe is empty”
- 193 Line 23, the Closure clause. Change it to “Nothing else is a wff except special expressions of the form ‘*c* exists’ where *c* is any name.” These special expressions are not used until p. 288.
- 219 The premises of problem 5 on p. 219 should be
 $\neg(P \Rightarrow Q) \Rightarrow ((P \Rightarrow Q) \wedge \neg(P \Rightarrow Q))$
 $\neg(R \Rightarrow Q) \Rightarrow ((Q \Rightarrow P) \wedge \neg(Q \Rightarrow P))$
 $P \vee R$
- 226 second column, line 6, change “all of premises” to “all of the premises”
- 360 Remove the final right parenthesis in the answer to problem 9 of section 6.2.
- 360-1 The answers to problems 3, 5, and 7 of section 7.2 have incorrect diagrams. The correct diagrams are in the expanded answers at the Sweet Reason website:
<http://sweetreason2ed.com/>
- 364 The answer to problem 9 of section 8.1 should be
 $\forall x \forall y ((Lx \wedge Ly) \Rightarrow x = y)$