

A Mathematical Introduction to Logic
by Herbert B. Enderton

Errata:

If you have a recent printing, then some of these corrections might not apply to your copy.

- Page 9, line 17. The letter after "mapping" should be A.
- Page 26. Line 7 from below should end with ")."
- Page 28, last three lines. This condition applies only to x and y in C.
- Page 29, line 19. For "a function" read "acceptable."
- Page 33, line 11 from below. The sixth word should be "assignment."
- Page 38, line 3 from below. Change "A" to "An."
- Page 45, line 16. Insert "be" after "to."
- Page 51, table VI. The formula for \leftarrow should be $A \leftarrow B$.
- Page 52, line 3. The reference to Exercise 6 should instead be to Exercise 5.
- Page 55, line 3. Insert "the" after "maximum of."
- Page 72, line 4. Put this sentence in quotation marks.
- Page 76, line 11. The second word should be "explicitly."
- Page 76, line 9 from below. For "way" read "may."
- Page 77, line 7. Replace \leftarrow by \rightarrow .
- Page 83, line 5. Insert "of" after "set."
- Page 83, line 19. Change "functions" to "function," and "free in s" to "free in phi."
- Page 96, Exercise 19(a). After "sentence" insert "in a language."
- Page 107, line 10 from below. For "notion" read "notions."
- Page 107, line 9 from below. Change "impies" to "implies."
- Page 131, line 3. Add a bar over the v .
- Page 138, line 17. Change "enumeration" to "enumerability."
- Page 149, line 11 from below. The vacuous quantifier on z may be omitted.
- Page 158, line 9 from below. The quantifier, "for all y" should be "for all z."
- Page 163, line 6 from below. Insert a comma after N.
- Page 171, first display. The limit is as $h \rightarrow 0$, and not $h \rightarrow a$.

Page 184, line 9 from below. The first subscript should be L, not S.

Page 184. In L1, replace S by S.

Page 186, lines 2, 14, 15. Replace S by S.

Page 186, line 16. Replace this line by "justified by L1 and L4.)"

Page 191, last formula. Here q should range from 1 to M (not 0 to M-1).

Page 195, line 11 from below. Change "It" to "If."

Page 210, lines 5 and 3 from below. Replace R by R', referring to the desired relation.

Page 214, line 5 from below. Add an arrow over the b.

Page 214, line 4 from below. The last a should be i.

Pages 219--220. In items 2, 3, and 5(ii), the upper bound on i should be not a, but a raised to the a lh a power.

Page 222, line 2. Insert "number" before "of a sentence."

Page 222, line 3. Insert "a" before "variable."

Page 222, line 11 from below. In condition (i), insert "h" before "(()".

Page 226, line 10. Add to this line "(in the consistent case)."

Page 226, line 11. Insert "the Göldel number of" before "a sentence."

Page 229. The reference in the last paragraph to Theorem 34A should instead be to item 20 on page 225.

Page 232, line 12. For "haver," read "have."

Page 232, last line. Change the first membership symbol to a nonmembership symbol.

Page 234, line 2 from below. Change phi to rho.

Page 235, line 13. Change R to Q.

Page 238. Add to Theorem 35K "(where $k > 0$)."

Page 238, line 5 from below. Here "set" is intended to cover n-ary relations.

Page 262, last two displayed lines. The subscript should be 2, not 1.

Page 264, line 7. The sixth word is "altogether."

Page 265, line 4. Change "is" to "in."

Page 265, line 7 from below. Change "an" to "and."

Page 269, line 9. Change "symbols" to "symbol."