Corrections for the book: Herbert B. Enderton (1977). Elements of Set Theory.
Academic Press.

By Andrés Sicard-Ramírez

Last modification: 22nd May 2019

Page 21, line 20 (some where in the Web, 2016-07-27). Change 'sonderen' to 'sondern'.

Page 24, line 14 (2016-07-27). Missing universal quantification on A in the union axiom. The right axiom is

$$\forall A \, \exists B \, \forall x \, [x \in B \Leftrightarrow (\exists b \in A) \, x \in b].$$

Page 28, line 13 (2017-08-15). Replace the if and only symbol '⇔' by the implication symbol '⇒', that is,

$$\Rightarrow x \text{ belongs to every member of } A.$$

Page 60, line 9 from below (some where in the Web, 2016-07-27). A period is missing.

Page 67 (some where in the Web, 2016-07-27). In the displayed definition of the number 1, replace the first empty-set symbol by 0, so that the equation reads

$$1 = \{0\} = \{\emptyset\}.$$

Page 68, line -2 (2017-08-15). Replace the if and only symbol '⇔' by the implication symbol '⇒', that is,

$$\Rightarrow x \text{ belongs to every inductive set.}$$

Page 101, line 3 (some where in the Web, 2016-07-27). The right side of the equation should be $E(m) - E(n)$.

Page 109, line 10 from below (some where in the Web, 2016-07-27). Delete the sentence 'Since t is a positive rational, e is also a positive integer'.

Page 110, line 14 (some where in the Web, 2016-07-27). Change'functions' to 'function'.

Page 111, line 4 from below (some where in the Web, 2016-07-27): 'hope to name a real number...'.

Page 116, line 11 (some where in the Web, 2016-07-27). Delete 'in 0_R'.

Page 120, line 2 (some where in the Web, 2016-07-27). At the end of the line, '$s \notin E(s)$' should be '$r \notin E(r)$'.

Page 121, line 11 (some where in the Web, 2016-07-27) Delete all square brackets.

Page 121, line 14 (some where in the Web, 2016-07-27). The second 'mp' should be 'mq'.

Page 127, Figure 29 (some where in the Web, 2016-07-27). The 'abstraction' arrow should be reversed.

Page 141, line 18 (some where in the Web, 2016-07-27). It should be added that a and b are different.

Page 143, Equation e2 (some where in the Web, 2016-07-27). The exponent on the right side should be λ, not κ.

Page 144, line 1 (some where in the Web, 2016-07-27). Replace 'A' by 'T' and 'n' by 'm'.

Page 153, line 4 from below (some where in the Web, 2016-07-27). Delete the spurious period.

Page 159. Between lines 9 and 8 from below insert: 'collection of countable (but nonempty) sets. We will construct a function'.

Page 160, line 4 (some where in the Web, 2016-07-27). Insert a script 'P' after the arrow.

Page 162, line 6 from below (some where in the Web, 2016-07-27). Change 'is' to 'in'.

Page 165, line 14 (some where in the Web, 2016-07-27). Change the ordering symbol to the symbol for dominance.

Page 178, Exercise 7 (some where in the Web, 2016-07-27). Add a part (d): Show that $\bar{C}$ is the smallest transitive set that includes C. That is, whenever D is a transitive set including C, then $\bar{C}$ is a subset of D.

Page 181, line 11 from below (some where in the Web, 2016-07-27). Delete the first right parenthesis.

Page 217, line 10 (some where in the Web, 2016-07-27). Change 'a' to 'α'.

Page 223, line 10 from below (some where in the Web, 2016-07-27). Add a bar over ω^+.

Page 224 (some where in the Web, 2016-07-27). It might be added that what is here called Hebrew lexicographic order is also sometimes called 'right lexicographic order'.

Page 227, line 5 from below (some where in the Web, 2016-07-27). Insert a closing parenthesis just before the period.

Page 233, line 3 from below (some where in the Web, 2016-07-27). Change '$(E3)$' to '$(E2)$'.

Page 237, line 10 from below (some where in the Web, 2016-07-27). The second β beta should be β^γ.

Page 242, line 12 (some where in the Web, 2016-07-27). Insert 'is' after 'there'.

Page 245, line 11 from below (some where in the Web, 2016-07-27). Insert a closing parenthesis just before the period.

Page 260, lines 16-17 (some where in the Web, 2016-07-27). Insert 'we' between 'and' and 'will'.