

Errata for Volume I: The Fundamentals, Fifth Edition

- p. 8 line 1 ... $0 \leq n \leq k$...
- p. 16 line 23-24 (i) $F_0 = 0; F_1 = 1$;
- p. 16 line 25 (ii) for every integer $n \geq 2$, $F_n = F_{n-1} + F_{n-2}$.
- p. 18 line -6 ... emphasized enough. Without ...
- p. 20 line -14 (ii) $a_i = i a_{i-1}$ for each integer i for which $1 \leq i \leq n$.
- p. 26 line 8 ... uniqueness question ...
- p. 29 line 16 ... $F_{2n+2} = F_{n+2}^2 - F_n^2$...
- p. 29 line 19 ... and $F_{n+1}^2 = F_n^2 + 2F_n F_{n-1} + F_{n-1}^2$...
- p. 33 line -5 ..that L is well-rounded.
- p. 54 line -8 ... that is, $S = \{ A_i \mid i \in I \}$.
- p. 55 line 14 Replace ... with endpoints x and 1 ... by ... with endpoints t and 1 .
- p. 55 line 19 ... the set $S = \{ I_n \mid n \in \mathbb{N}, n > 0 \}$
- p. 64 line 7 “ $|x \in A_i \mid P_i(a_1, a_2, \dots, a_{i-1}, x)| = m_i$,” should read “ $|\{ x \in A_i \mid P_i(a_1, a_2, \dots, a_{i-1}, x) \}| = m_i$ ”.
- p. 72 line 2 Replace “ $(a_1, a_2, \dots, a_r) \in A^n$ ” by “ $(a_1, a_2, \dots, a_r) \in A^r$ ”.
- p. 72 line 13 Replace “ $(a_1, a_2, \dots, a_n) \in A^n$ ” by “ $(a_1, a_2, \dots, a_r) \in A^r$ ”.

Corrections to the Solutions

- Exercise I.1.1 (c): The $\sqrt{6}$ that appears twice in the last sentence of the solution should be $\sqrt{3}$.
- Exercise I.2.13: ... By hypothesis, $2^m \leq (m+1)!$...
- Exercise I.2.20: ... $a_{n+1} = 3 - \frac{1}{a_n} \leq 3 - \frac{1}{a_{n+1}} = a_{n+2}$...