The Induction Book–Errata

Problem 2.1.8 parts (a) and (b): \(\prod_{k=1}^{n-1} \) should be \(\prod_{k=0}^{n-1} \).

Problems 2.1.17 and 2.1.18: To clarify, in Egyptian fraction decompositions the denominators must be distinct positive integers.

Problem 2.1.21: \(a_1, \ldots, a_k\) should be \(a_0, \ldots, a_k\) and \(a_1 + \ldots + a_k\) should be \(a_0 + \ldots + a_k\) throughout.

Problem 2.1.26: The answer to (a) is correct.
The answer to (b) should be: \(a_n = (t + 1)2^{n-1} - t\).
The answer to (c) is correct.
The answer to (d) should be: \(a_n = (r + 1)2^{n-1} - 1\).

Problem 2.4.3: for every \(n \geq 0\) should be for every \(n \geq 1\).

Problem 2.4.11: for every \(n \geq 1\) and \(m \geq 0\) should be for every \(n \geq 1\) and \(m \geq 1\).

Corollary 2.4.12: for every \(n \geq 1\) should be for every \(n \geq 1\) and \(m \geq 1\).