ERRATA & COMMENTS COMBINATORIAL RECIPROCITY THEOREMS

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- p. 6 Proof of Proposition 1.1.3: the inequalities should go the other way.
- p. 25 Exercise 1.15 (b): the word "nowhere-zero" needs to be removed.
- p. 32 Exercise 2.5 asserts that the sum on the right stops at the index $k = |\Pi|$, but this is a bit crude: the sum actually stops at the length of the longest chain in Π .
- p. 38 Theorem 2.3.2: The exponent should be the length of Π (instead of $|\Pi|$).
- p. 39 The last binomial coefficient on p. 39 should have a -1 at the end instead of the +1. The same corrections should be made on top of p. 40.
- p. 42 In the last displayed math line, the exponent should be κ , not c.
- p. 44 In the proof of Theorem 2.4.5, "if $I = I_S$ " should be replaced by "if $I = J_S$ " in the definition of $F_{=}$.
- p. 44 Just before Theorem 2.4.6, it should say $a = a_0 \prec a_1 \prec \cdots \prec a_k = b$.
- p. 49 Exercise 2.16: The *I* in the exponent should be a *J*.
- p. 82 In the proof of Proposition 3.5.2, $T_{\mathbf{q}}(Q) = T_{\mathbf{q}-\mathbf{r}}(Q-\mathbf{r})$ should be $T_{\mathbf{q}}(Q) = T_{\mathbf{q}-\mathbf{r}}(Q-\mathbf{r}) + \mathbf{r}$.
- p. 90 In the proof of Theorem 3.6.4, r(B) and b(B) should be $r(\mathcal{H})$ and $b(\mathcal{H})$.
- p. 96 Exercise 3.4(b) should read $\mathbf{p} + \mathbb{R}_{>0}\mathbf{u} \subseteq Q$ for all $\mathbf{p} \in Q$ and $\mathbf{u} \in rec(Q)$.
- p. 97 Exercise 3.9: here we want to require the set to be closed, not just convex.
- p. 101 Exercise 3.44: On the first two lines of this exercise, L needs to be replaced by L' in two occurrences.
- p. 125 The rational function in the middle of the page (just before "This implies, again with (4.6.4)") should have $1 z_1 z_2 z_3^2$ as its last factor in the denominator.
- p. 141 In addition to the note on Theorem 4.2.2 and Cayley's work on composition, there is an illustrious connection to Vedic poetry; see "The So-Called Fibonacci Numbers in Ancient and Medieval India" by Parmanand Singh, *Historia Mathematicae* 12 (1985), 229–244.
- p. 198 Exercise 5.18: the first inequality should read $a_0x \ge b_0$.
- p. 207 In Theorem 6.2.2, the phrase "crosscut in \mathcal{N} " needs to be replaced by "collection of elements in \mathcal{N} such that every minimal element is uniquely covered".
- p. 240 In the string $0 = x_u = x_{v_0} < ... < x_{v_k} = x_u$, the second x_u should be x_v . In the following line, u should be replaced by v.
- p. 262 In the last line before Proposition 7.5.9, it should say $1 \le k < d$.

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