Typos in "Discrete Mathematics"

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April 23, 2016

1. Page ix, line -3, "*Discrete Mathematics*" should be "*Concrete Mathematics.*"

2. Page 54, the third line in the proof should be $P(u, 0) \Rightarrow \forall t(P(t, 0))$.

3. Page 232, line -7, the sum $\sum_{k=0}^{p-1}$ shoud be $\sum_{k=0}^{p}$.

4. Page 233, line -8, the equation should be

$$m(A \cup B) = m(A) + m(B) - m(A \cap B).$$

5. Page 244, line -3, in Problem 4.18(c), the inequality should be

$$\ln(n) + \frac{1}{n} \leq H_n,$$

   and its proof does not require the hint at the bottom of the page. This hint applies to part (d) of Problem 4.18.

6. Page 245, In part (d) of Problem 4.18, it can be shown that

$$H_n \leq 1 + \ln(n),$$

   using the fact that

$$\sum_{k=0}^{\infty} \frac{1}{k^2} = \frac{\pi^2}{6}.$$

7. Page 250, the formula for γ at the end of Problem 4.19 is false. The series on the right-hand side does not converge!

8. Page 318, line -5, change

$$x^n \equiv r_\ell \cdots r_0 \pmod{m}$$

   to

$$x^n \equiv \prod_{j \in J} r_j \pmod{m}.$$

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9. Page 382, line 4, change "on the next page" to "below."

10. Page 385, line the proof of Proposition 6.11, line 13, change "$s(\mathbf{e}_k) = \mathbf{v}_i$ and $t(\mathbf{e}_k) = \mathbf{v}_i$" to "$s(\mathbf{e}_k) = \mathbf{v}_i$ and $t(\mathbf{e}_k) = \mathbf{v}_j$ or vice-versa"