AN INTRODUCTION TO
THE THEORY OF NUMBERS

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by

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CORRECTIONS

PAGE/LINE	
v/-8	for '(Section 2.4)' read '(Section 2.5)'
v/-7	for 'Hansel' read 'Hensel' (Gretel's theorem was omitted)
vi/-4	After 'C. Pomerance' insert 'J. Rickert'
vi/-3	between 'H.' and 'C. Williams' delete 'J. Rickert'
vii/7	for 'Bionomial' read 'Binomial'
2/-11	for '135' read '133'
4/18	for '$\{-2,-1,0,1,2,\ldots\}$' read '$\{\ldots,-2,-1,0,1,2,\ldots\}$'
6/19	for '$a = 248$' read '$a = 428$'
27/2	for 'Let $\mathcal{N}$ denote' read 'Let N denote'
33/-11	As of July, 1992, the largest prime known is M_{756839}.
53/4	for '$(p-1) \equiv -1$' read '$(p-1)! \equiv -1$'
56/2	for '$ac + bc$' read '$ad + bc$'
72/-1	for 'p^{α_r}' read 'p^{α_i}'
88/5	after '$x^2 + x + 47$' insert '$\equiv 0$'
88/7	for '$a = 1$' read '$a \equiv 1$'
88/-17	for '$x^2 + x + 7 \pmod{81}$' read '$x^2 + x + 7 \equiv 0 \pmod{81}$'
88/-16	for '$x^2 + x + 7 \pmod{3}$' read '$x^2 + x + 7 \equiv 0 \pmod{3}$'
107/3	insert 'and $k > 0$'
107/-12	after 'if and only if' insert 'm is composite and'
108/-8	for '(mod m)' read '(mod q)'
110/14	for '$x^2 \equiv a \pmod{p}$' read '$v^2 \equiv k \pmod{p}$'
114/-11	for '$x^2 \equiv a$' read '$(x-r)^2 \equiv k$'
130/25	for 'Corollary 2.29' read 'Corollary 2.30'
141/Problem 18	replace '1111111111111' by '1111118111111' (in two places)
142/3	before '.' insert 'and that $p > 2$'
153/10	insert 'g.c.d.$(m_1, m_2) = 1$'

OVER

153/-11	for ‘if $\left(\frac{d}{p}\right) = 1$.’ read ‘if $p \mid d$ or $\left(\frac{d}{p}\right) = 1$.’
153/-8	for ‘$\left(\frac{d}{p}\right) = 1$’ read ‘$\left(\frac{d}{p}\right) = 1$ or 0’ (in two places)
162/18	after ‘and only if’ insert ‘$p = 2$, $p = 5$, or’
162/-6	after ‘$\left(\frac{p}{5}\right) = 1$’ insert ‘or 0’
162/-3	after ‘if and only if’ insert ‘$p = 5$ or’
162/-1	after ‘if and only if’ insert ‘$p = 2$ or’
181/10	for ‘$-x = n - 1 + 1 - \nu$’ read ‘$-x = -n - 1 + 1 - \nu$’
189/2	after ‘$p^\beta \mid n$’ add ‘, $\beta > 0$’
195/Problem 5	Replace first ‘.’ by ‘,’
196/6	for ‘Theory’ read ‘Theorem’
205/Problem 14	after ‘distinct’ insert ‘and non-consecutive’
219/3	after ‘solvable’ insert ‘and $b \neq 0$’
233/-9	for ‘v’ read ‘y’
245/7	for ‘$b = 1$’ read ‘$b = -1$’
245/7	for ‘$y = -1$’ read ‘$y = 1$’
249/2	after ‘$N(p) = 2p^2 - p$’ add ‘, except that $N(2) = 4$’
279/17	for ‘b is odd’ read ‘b is even’
302/-2	for ‘at’ read ‘a’
323/1	for ‘207’ read ‘210’
330/-3	for ‘$i \geq 1$’ read ‘$i > 1$’.
333/-14	for ‘$a_0 > 0$’ read ‘$a_0 \geq 0$’.
340/-15	for ‘integers x and all y’ read ‘pairs of integers x, y’
340/-14	for ‘to ξ’ read ‘h_n/k_n to ξ with $n > 0$’
344/Problem 4	replace ‘$\xi - \frac{h}{k}$’ by ‘$\lvert\xi - \frac{h}{k}\rvert$’
456/-7	for ‘$\sum_{k=0}^{p(k)} x^k$’ read ‘$\sum_{k=0}^{\infty} p(k)x^k$’
512/7	for ‘3360’ read ‘3660’.
514/-17	for ‘1, 4, 7 (mod 27)’ read ‘4, 13, 22 (mod 27)’
515/7	for ‘(b) $(x+1)^2 \equiv 4$’ read ‘(b) $(x-6)^2 \equiv 4$’
515/8	for ‘(d) $(2x+1)^2 \equiv 5$’ read ‘(d) $(x-6)^2 \equiv 11$’
515/9	for ‘$x \equiv \pm 5 \pmod{19}$’ read ‘$x \equiv \pm 9 \pmod{19}$’
516/§3.1;**6.**(a)	for ‘$\pm 1, \pm 2, \pm 3 \pmod{13}$’ read ‘$\pm 1, \pm 3, \pm 4 \pmod{13}$’
518/-15	insert ‘(7, 24, 25), (24, 7, 25)’.

Revised 8 September, 1994