

Errata: *Combinatorial Optimization: Algorithms and Complexity*

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- † p. 27, line 12: the “ i ” in the first subscript of a is not dotted: for a_{i_j} read a_{ij}
- p. 32, in the last displayed equation: replace \hat{x}_{ij} by \hat{x}_i in the summation on the right-hand side
- ‡ p. 38, in eqs. (2.8') and (2.9): change subscripts i 's on b and a to $i - n + m$
- ‡ p. 38, after (2.8'): replace “last m rows of A ” by “last m columns of A ”
- p. 49, Fig. 2-3, lines 6 and 8: for c_j read \bar{c}_j
- p. 61, Theorem 2.10, line 2: for $\{y_1, \dots, y_{n-m}\}$ read (y_1, \dots, y_{n-m})
- p. 83, last equation: for c_i read c_j
- p. 123, line 6 of Fig. 6-6: append after second comma: “set $L2[s] := \infty$,”
- ‡ p. 142, proof of Theorem 7.2: insert before “Replace...”: “Suppose first that this arc is the only one that P and C have in common.” insert at end of proof: “If P and C have more than one arc in common, the construction produces a path plus cycles. The cycles, however, must have existed in $N'(f_1)$ and hence have nonnegative cost. The same contradiction is therefore reached.”
- p. 171, line 4 from bottom: for “Example 8.5” read “Example 8.4”
- p. 173, line 7 from bottom: for x_i read x_1
- p. 175, Lemma 8.10: for “ $0, \dots, 0$ ” read “ $0, \dots, 0$ ”
- † p. 178, Lemma 8.12, line 2: for “ $0 \dots, 0$ ” read “ $0, \dots, 0$ ”
- p. 251, Fig. 11-2, line 10: for “ $i :=$ ” read “ $s :=$ ”
- p. 251, Fig. 11-2, line 13: insert after “ $\text{exposed}[v]:=0$ ” “ $\text{,label}[v]:=0$ ”
- p. 251, Fig. 11-2, line 17: insert after **else** “**if** $v_i \neq \text{mate}[u_j]$ **then**”

- p. 262, Fig. 11-5, line 18: for “Equations 11.3” read “Equations 11.13”
- ‡ p. 268, Problem 12: for “find” read “find in polynomial time”
- † p. 290: invert Figure 12-15
- p. 332: for Equation (14.21) read $\frac{1}{6}x_3 + \frac{5}{6}x_4 \geq 0$ and for Equation (14.23) read $-2x_1 + 2x_2 \leq 1$
- p. 360, 3rd paragraph of proof, line 3: for “turth” read “truth”
- p. 379, Problem 16, right-hand side of first equation: for “max” read “min”
- p. 397, second summation from bottom: for $\frac{1}{2} \sum_{n=1}^n$ read $\frac{1}{2} \sum_{j=1}^n$
- p. 402, Problem 5: for “checked” read “determined”
- p. 403, Problem 12: for “Subsec. 16.3.2” read “Subsec. 16.3.1”
- ‡ p. 434, line 8 from bottom: for “LP, and solve it.” read: “ILP, and solve its relaxation.”
- † p. 452, line above [Da]: for “give” read “given”
- p. 456, line 1: for “Sherman and Reiter [SR]” read “Reiter and Sherman [RS]”
- † p. 478, line 1: for “NP-Complete” read “NP-complete”
- † p. 478, Figure 19-14: the following edges should be bold: the edge leaving S on the left; the [N,w] edge on the right; and the edge entering W on the right
- p. 481, line 1: for “NP-Complete” read “NP-complete”
- p. 484, below [Cr]: insert: [RS] Reiter, S., and G. Sherman, “Discrete Optimizing,” *J. SIAM*, 13, no. 3 (Sept. 1965), pp. 864-889.
- p. 491 (index) under INTEGER KNAPSACK: for “p. 344” read “p. 374”
- p. 491 (index): under Karp, R. M., insert p. 192
- p. 492 (index): under Lin, S., insert p. 18
- p. 495 (index): under Steinberg, D., insert p. 66

† Corrected in later printings of the Prentice-Hall edition.

‡ Not corrected in the Dover edition.