ERRATA

INTRODUCTORY OPERATIONS RESEARCH

Theory and Applications

H. S. Kasana and **K. D. Kumar**

Typos are listed below in the order in which they appear in the book. If you find additional typos in the book, please send them to: kdkumar@ryerson.ca

Page 15, on line 2 from bottom (in Table), row 70 column p_7: "0" should be "1"

Page 84, on line 6 from bottom, "...Tables 1 and 2." should be "...Tables 4 and 5."

Page 85, on line 10, "...of of..." should be "...of..."

Page 91, on line 9, "...exits..." should be "...exists..."

Page 92, on line 13, "...x_1, s_2..." should be "...x_1 and s_2..."

Page 93, on line 4, "...(0,4,6,6)..." should be "...(0,4,6,0,6)..."

Page 93, on line 5, "$= \left(\frac{15}{4}, \ldots\right)$" should be "$= \left(\frac{15}{8}, \ldots\right)$"

Page 97, on line 2 from bottom, "...ration rule..." should be "...ratio rule...."

Page 104, Problem 17, in s.t. "$3x_1 - x_2 + 2x_2 \leq 7$" and "$-2x_2 + 4x_2 \leq 8$" should be "$3x_1 - x_2 + 2x_3 \leq 7$" and "$-2x_1 - 2x_2 + 4x_2 \leq 8$" and "$+4x_2 \leq 8$", respectively.

Page 104, Problem 17, last line, "if yes" should be "If yes"

Page 164, in Problem 1, lines 4 and 5 should be "$x_2 + x_4 - 3x_5 + x_6 = 3$" and "$x_3 + x_4 - 5x_5 + 6x_6 = 6$", respectively.

Page 274, in Problem 2, distance between nodes 4 and 7 should be 3 units

Page 305, add these sentences:

(i) Find the expected activity durations and their variances.

(ii) Draw a network and find the critical path. What is the expected length of critical path and what is its variance?

(iii) What is the probability that the length of the critical path does not exceed 56 days?

Page 359, line 3 from bottom, "$\frac{d}{dy_3}$" and "$\frac{d^2}{dy_3^2}$" should be "$\frac{dF_3(x_3)}{dy_3}$" and "$\frac{d^2F_3(x_3)}{dy_3^2}$"

Page 432, in Problem 12, line 5: "ohms" should be "mhos" or "siemens"

Page 439, line 1, "Section 13.1" should be "Section 15.1"

Page 444, Example 7, line 6, "trip cost" should be "trip costs"

Page 446, Eq. (15.15), "$al2$" should be "α_2"

Page 449, line 7, "$2\lambda_2 - 2\lambda_2 - \lambda_3 = 0$" should be $2\lambda_1 - 2\lambda_2 - \lambda_3 = 0$

Page 450, line 4 from bottom, "Then, The" should be "Then, the"

Page 451, line 9 from bottom, "$f1$" should be "f_1"

Page 452, line 6, "$\left(\frac{x^{-1}x_2^{-1}}{3\lambda_4}\right)^{\lambda_4}$" should be "$\left(\frac{x_1^{-2}x_2^{-2}}{3\lambda_4}\right)^{\lambda_4}$"

Page 465, Ist subproblem, Table S_1 row and Soln column: "600" should be "200"

Page 459, in Eq. (16.2) "l" denotes number of rigid constraints

Page 463, line 5, "$s_1^-, s_2^+ ...$" should be "$...s_1^-$ and s_2^+"

Page 553, in Problem 1, delete "+1" in objective function "Opt z"

Page 553, in Problem 1, "$x_2' = x_2 - 1$ and $x_3 = x_3^+ - x_3^-$"

Page 553, in Problem 2, "Opt" should be "Max"

Page 553, in Problem 2, "$x_2' = -x_2$"

Page 553, in Problem 3, delete "$2p$" in objective function "Opt z"

Page 553, in Problem 3, "$x_2' = x_2 - p$ and $x_3 = x_3^+ - x_3^-$"

Page 554, in Problem 4 (b) "$x_1 = x_1^+ - x_1^-$ and $x_2 = x_2^+ - x_2^-$ "

Page 554, in Problem 6, line 3, "Max $2y_1 + 5y_2 - 5y_3 - 3r$" should be "Max

Page 559, in Problem 25, line 9, "$4x_4+$" should be "$4x_4$"

Page 559, in Problem 25, line 12, "$j = 1, 2, \ldots 6$" should be "$j = 1, 2, \ldots, 6$"

Page 559, in Problem 26, line 4, "$0, 9y_{11}$" should be "$0.9y_{11}$"

Page 560, in Problem 29, line 1, "$(1 - p_{1j})^{x_{ij}}$" should be "$(1 - p_{1j})^{x_{1j}}$"

Page 564, in Problem 15, line 6, "$Y - 1$" should be "y_1"

Page 565, in Problem 1, answer should be "$x_1 = 5$, $x_2 = 2$, $x_3 = 0$, $z = 7$"

Page 565, in Problem 3, answer should be "$x_1 = 0$, $x_2 = 8$, $x_3 = 4$, $x_0 = 28$"

Page 565, in Problem 8, line 6, "(a) ... $x_3^+ = 0$, $x_3^+ = 40$" should be "(a) ... $x_3^- = 0$, $x_3^+ = 40$"

Page 565, in Problem 8, line 6, "(b) ... $x_3^+ = 0$, $x_3^+ = 0$" should be "(b) ... $x_3^- = 100$, $x_3^+ = 0$"

Page 568, Problem 2 (b): "$7 \rightarrow 6$ ... distance 11 units" should be "$7 \rightarrow 4$ ... distance 10 units"

Page 570, in Problem 1, "$x_2 = 4$" and "min value=-2"

Page 570, in Problem 2, "$x_1 = 14$" and "min value=104"

Page 574, in Problem 1, "$x_3 = 0$"

Page 574, in Problem 3, "$x_3 = 0$"

Page 574, in Problem 5, "$x_1 = 2/3$" should be "$x_2 = 2/3$". Here "$x_3 = 1/3$".



http://www.springer.com/978-3-540-40138-4

Introductory Operations Research
Theory and Applications
Kasana, H.S.; Kumar, K.D.
2004, XI, 581 p., Hardcover
ISBN: 978-3-540-40138-4