

Referências Bibliográficas

- [1] LACY, S.; SIMON, T.. **The Economics and Regulation of United States Newspapers**. Ablex, Norwood, NJ, 1973.
- [2] PICARD, R.; BRODY, J.. **The Newspaper Publishing Industry**. Allyn and Bacon, Boston, MA, 1977.
- [3] SOLOMON, M.. **Algorithms for the vehicle routing and scheduling problem with time window constraints**. *Operations Research*, 35:254–265, 1987.
- [4] M. DESROCHERS, J. D.; SOLOMON, M.. **Vehicle routing problem with time windows**. *Operations Research*, 40:342–354, 1992.
- [5] KOHL, N.. **Exact methods for time constrained routing and related scheduling problems**. Technical Report IMM-REP-1997-12, Denmark, Lyngby, 1997.
- [6] LIU, F.; SHEN, S.. **A method for vehicle routing problem with multiple vehicle types and time windows**. *Proc. Natl. Sci. Counc.*, 23:526–536, 1999.
- [7] ACHUTHAN, N.; CACCETTA, L.; HILL, S.. **Capacited Vehicle Routing Problem: Some New Cutting Planes**. *Asia-Pacific Journal of Operational Research*, 15:109–123, 1998.
- [8] ACHUTHAN, N.; CACCETTA, L.; HILL, S.. **An Improved Branch-and-Cut Algorithm for the Capacitated Vehicle Routing Problem**. *Transportation Science*, 37(2):153–169, 2003.
- [9] AGARWAL, Y.; MATHUR, K.; SALKIN, H.. **A Set-Partitioning Based Exact Algorithm for the Vehicle Routing Problem**. *Networks*, 19:731–739, 1989.
- [10] ARAQUE, J.; HALL, L.; MAGNANTI, T.. **Capacitated trees, capacitated routing and polyhedra**. Technical Report SOR-90-12, Princeton University, 1990.

- [11] ARAQUE, J.; KUDVA, G.; MORIN, T.; PEKNY, J.. **A branch-and-cut algorithm for the vehicle routing problem**. *Annals of Operations Research*, 50:37–59, 1994.
- [12] AUGERAT, P.. **Approche polyédrale du problème de tournées de véhicules**. PhD thesis, Institut National Polytechnique de Grenoble, 1995.
- [13] AUGERAT, P.; BELENGUER, J.; BENAVENT, E.; CORBERÁN, A.; NADDEF, D.; RINALDI, G.. **Computational Results with a Branch and Cut Code for the Capacitated Vehicle Routing Problem**. Technical Report 949-M, Université Joseph Fourier, Grenoble, France, 1995.
- [14] BALINSKI, M.; QUANDT, R.. **On an integer program for a delivery problem**. *Operations Research*, 12:300–304, 1964.
- [15] BALAS, E.; GLOVER, F.; ZIONTS, S.. **An Additive Algorithm for Solving Linear Programs with Zero-One Variables**. *Operations Research*, 13:517–546, 1965.
- [16] BARNHART, C.; JOHNSON, E.; NEMHAUSER, G.; SAVELSBERGH, M.; VANCE, P.. **Branch-and-Price: Column generation for solving huge integer programs**. *Operations Research*, 46(3):316–329, 1998.
- [17] BARNHART, C.; HANE, C.; VANCE, P.. **Using Branch-and-Price-and-Cut to Solve Origin-Destination Integer Multicommodity Flow Problems**. *Operations Research*, 48(2):318–326, 2000.
- [18] BENDERS, J. F.. **Partitioning Procedures for Solving Mixed-Variables Programming Problems**. *Numerical Methods*, 4:239–252, 1962.
- [19] BERTSIMAS, D.; TSITSIKLIS, J. N.. **Introduction to Linear Optimization**. Athena Scientific, 1997.
- [20] BLASUM, U.; HOCHSTÄTTLER, W.. **Application of the Branch and Cut Method to the Vehicle Routing Problem**. Technical Report ZPR2000-386, Zentrum für Angewandte Informatik Köln, 2000.
- [21] CHRISTOFIDES, N.; EILON, S.. **An Algorithm for the Vehicle-Dispatching Problem**. *Operational Research Quarterly*, 20(3):309–318, 1969.

- [22] CHRISTOFIDES, N.; MINGOZZI, A.; TOTH, P.. **Exact Algorithms for the Vehicle Routing Problem, Based on Spanning Tree and Shortest Path Relaxations**. Mathematical Programming, 20:255–282, 1981.
- [23] CHVATAL, V.. **Linear Programming**. Freeman and Co., San Francisco, CA, 1983.
- [24] COOK, W. J.; CUNNINGHAM, W. H.; PULLEYBLANK, W. R.; SCHRIJVER, A.. **Combinatorial Optimization**. John Wiley & Sons, 1997.
- [25] CORNUÉJOLS, G.; HARCHE, F.. **Polyhedral study of the capacitated vehicle routing problem**. Mathematical Programming, 60:21–52, 1993.
- [26] DANTZIG, G. B.; FULKERSON, D. R.; JOHNSON, S.. **Solution of a Large Scale Traveling Salesman Problem**. Operations Research, 2:393–410, 1954.
- [27] DANTZIG, G. B.; RAMSER, J. H.. **The Truck Dispatching Problem**. Management Science, 6(1):80–91, 1959.
- [28] DANTZIG, G. B.; WOLFE, P.. **Decomposition Principle for Linear Programs**. Operations Research, 8:101–111, 1960.
- [29] DANTZIG, G. B.. **On the Significance of Solving Linear Programming Problems with Some Integer Variables**. Econometrica, 28:30–44, 1960.
- [30] DESROSIERS, J.; SOUMIS, F.; DESROCHERS, M.. **Routing with time windows by column generation**. Networks, 14:545–565, 1984.
- [31] DESROSIERS, J.; LENSTRA, J. K.; SAVELSBERGH, M. W. P.. **A classification scheme for vehicle routing and scheduling problems**. European Journal of Operational Research, 46(3):322–332, 1990.
- [32] FELICI, G.; GENTILE, C.; RINALDI, G.. **Solving Large MIP Models in Supply Chain Management by Branch & Cut**. Technical report, Istituto di Analisi dei Sistemi ed Informatica del CNR, Italy, 2000.
- [33] FISHER, M.. **Optimal solution of vehicle routing problem using minimum K-trees**. Operations Research, 42(4):626–642, 1994.
- [34] FORD, L. R.; FULKERSON, D. R.. **A Suggested Computation for Multi-commodity flows**. Management Science, 5(1):97–101, 1958.

- [35] FUKASAWA, R.; POGGI DE ARAGÃO, M.; PORTO, O.; UCHOA, E.. **Robust branch-and-cut-and-price for the capacitated minimum spanning tree problem**. In: PROC. OF THE INTERNATIONAL NETWORK OPTIMIZATION CONFERENCE, p. 231–236, Evry, France, 2003.
- [36] FUKASAWA, R.; REIS, M.; POGGI DE ARAGÃO, M.; UCHOA, E.. **Robust branch-and-cut-and-price for the capacitated vehicle routing problem**. Technical Report RPEP Vol.3 no.8, Universidade Federal Fluminense, Engenharia de Produção, Niterói, Brazil, 2003.
- [37] FUKASAWA, R.; LYSGAARD, J.; POGGI DE ARAGÃO, M.; REIS, M.; UCHOA, E.; WERNECK, R. F.. **Robust branch-and-cut-and-price for the capacitated vehicle routing problem**. In: PROCEEDINGS OF THE X IPCO, volume 3064 de **Lecture Notes in Computer Science**, p. 1–15, New York, June 2004.
- [38] GAREY, M. R.; JOHNSON, D. S.. **Computers and Intractability. A Guide to the Theory of NP-Completeness**. W. H. Freeman and Company, New York, 1979.
- [39] GEOFFRION, A. M.. **Lagrangian Relaxation and its Uses in Integer Programming**. Mathematical Programming Study, 2:82–114, 1974.
- [40] GILMORE, P. C.; GOMORY, R. E.. **A Linear Programming Approach to the Cutting Stock Problem**. Operations Research, 9:849–859, 1961.
- [41] GILMORE, P. C.; GOMORY, R. E.. **A Linear Programming Approach to the Cutting Stock Problem, Part II**. Operations Research, 11:863–888, 1963.
- [42] GOMORY, R. E.. **Outline of an algorithm for integer solutions to linear programs**. Bulletin of the American Mathematics Society, 64:275–278, 1958.
- [43] GOMORY, R. E.. **Solving Linear Programming Problems in Integers**. In: PROC. 10TH SYMPOSIUM ON APPLIED MATHEMATICS SPONSORED BY THE AMERICAN MATHEMATICS SOCIETY, p. 211–216, 1960.

- [44] GOMORY, R. E.. **An Algorithm for Integer Solutions to Linear Programs**. In: RECENT ADVANCES IN MATHEMATICAL PROGRAMMING, p. 269–302. McGraw-Hill, 1963.
- [45] HADJICONSTANTINOU, E.; CHRISTOFIDES, N.; MINGOZZI, A.. **A new exact algorithm from the vehicle routing problem based on q -paths and k -shortest paths relaxations**. In: Laporte, G.; Gendreau, M., editors, FREIGHT TRANSPORTATION, volume 61 de **Annals of Operations Research**, p. 21–44. Baltzer Science publishers, 1995.
- [46] HANSEN, P.; JAUMARD, B.; POGGI DE ARAGÃO, M.. **Mixed-integer column generation algorithms and the probabilistic maximum satisfiability problem**. European Journal of Operational Research, 108(3):671–683, Aug. 1998.
- [47] IRNICH, S.; VILLENEUVE, D.. **The shortest path problem with resource constraints and k -cycle elimination for $k \geq 3$** . Unpublished manuscript, 2003.
- [48] KIM, D.; BARNHART, C.; WARE, K.; REINHARDT, G.. **Multimodal Express Package Delivery: A Service Network Design Application**. Transportation Science, 33(4):391–407, 1999.
- [49] KOHL, N.; DESROSIERS, J.; MADSEN, O.; SOLOMON, M.; SOUMIS, F.. **2-Path cuts for the vehicle routing with time windows**. Transportation Science, 33(1):101–116, 1999.
- [50] LADÁNYI, L.; RALPHS, T. K.; TROTTER, L. E.. **Branch, Cut, and Price: Sequential and Parallel**. In: COMPUTATIONAL COMBINATORIAL OPTIMIZATION, LECTURE NOTES IN COMPUTER SCIENCE 2241, p. 223–260. Springer, 2001.
- [51] LAND, A. H.; DOIG, A. G.. **An Automatic Method for Solving Discrete Programming Problems**. Econometrica, 28:497–520, 1960.
- [52] LAPORTE, G.; NORBERT, Y.. **A branch and bound algorithm for the capacitated vehicle routing problem**. Operations Research Spektrum, 5:77–85, 1983.
- [53] LAPORTE, G.; NORBERT, Y.. **Exact algorithms for the vehicle routing problem**. Annals of Discrete Mathematics, 31:147–184, 1987.

- [54] LAWLER, E. L.; LENSTRA, J. K.; KAN, A. H. G. R.; SHMOYS, D. B.. **The Traveling Salesman Problem**. John Wiley & Sons, 1985.
- [55] LETCHFORD, A.; EGGLESE, R.; LYSGAARD, J.. **Multistars, partial multistars and the capacitated vehicle routing problem**. Mathematical Programming, 94:21–40, 2002.
- [56] LYSGAARD, J.. **CVRPSEP: A package of separation routines for the Capacitated Vehicle Routing Problem**, 2003. Available at www.asb.dk/~lys.
- [57] LYSGAARD, J.; LETCHFORD, A.; EGGLESE, R.. **A new branch-and-cut algorithm for the capacitated vehicle routing problem**. Mathematical Programming, 100(2), 2004.
- [58] MARTINHON, C.; LUCENA, A.; MACULAN, N.. **A Relax and Cut Algorithm for the Vehicle Routing Problem**. European Journal of Operational Research, 58(1):56–71, 2004.
- [59] MILLER, D.. **A matching based exact algorithm for capacitated vehicle routing problems**. ORSA Journal on Computing, 7:1–9, 1995.
- [60] MINOUX, M.. **Mathematical Programming : Theory and Algorithms**. John Wiley & Sons, 1986.
- [61] NADDEF, D.; RINALDI, G.. **Branch-and-cut algorithms for the capacitated VRP**. In: Toth, P.; Vigo, D., editors, THE VEHICLE ROUTING PROBLEM, chapter 3, p. 53–84. SIAM, 2002.
- [62] NEMHAUSER, G. L.; WOLSEY, L. A.. **Integer and Combinatorial Optimization**. John Wiley & Sons, 1988.
- [63] NEMHAUSER, G.; PARK, S.. **A Polyhedral Approach to Edge Coloring**. Operations Research Letters, 10(6):315–322, 1991.
- [64] PADBERG, M.; RINALDI, G.. **A Branch-and-Cut Algorithm for the Resolution of Large-Scale Traveling Salesman Problems**. SIAM Review, 33:60–, 1991.
- [65] PIGATTI, A.. **Modelos e algoritmos para o problema de alocação generalizada e aplicações**. Master's thesis, Pontifícia Universidade Católica do Rio de Janeiro, Brazil, July 2003.

- [66] POGGI DE ARAGÃO, M.; UCHOA, E.. **Integer program reformulation for robust branch-and-cut-and-price**. In: PROCEEDINGS OF THE CONFERENCE MATHEMATICAL PROGRAMMING IN RIO: A CONFERENCE IN HONOUR OF NELSON MACULAN, p. 56–61, Búzios, Brazil, 2003.
- [67] RALPHS, T.. **Parallel branch and cut for capacitated vehicle routing**. *Parallel Computing*, 29(5):607–629, 2003.
- [68] RALPHS, T. K.; KOPMAN, L.; PULLEYBLANK, W. R.; TROTTER, L. E.. **On the Capacitated Vehicle Routing Problem**. *Mathematical Programming*, 94:343–359, 2003.
- [69] SAVELSBERGH, M. W. P.. **A branch-and-price algorithm for the generalized assignment problem**. *Operations Research*, 45(6):831–841, 1997.
- [70] SCHRIJVER, A.. **Theory of linear and integer programming**. John Wiley & Sons, 1987.
- [71] TOTH, P.; VIGO, D.. **The Vehicle Routing Problem**. Monographs on Discrete Mathematics and Applications. SIAM, 2002.
- [72] TOTH, P.; VIGO, D.. **Models, relaxations and exact approaches for the capacitated vehicle routing problem**. *Discrete Applied Mathematics*, 123:487–512, 2002.
- [73] VANDERBECK, F.. **Decomposition and Column Generation for Integer Programs**. PhD thesis, Université Catholique de Louvain, 1994.
- [74] VANCE, P. H.; BARNHART, C.; JOHNSON, E. L.; NEMHAUSER, G. L.. **Solving binary cutting stock problems by column generation and branch-and-bound**. *Computational Optimization and Applications*, 3(2):111–130, 1994.
- [75] VANDERBECK, F.. **On Integer Programming Decomposition and Ways to Enforce Integrality in the Master**. Technical Report 94-95-29, University of Cambridge, 1995.
- [76] VANDERBECK, F.; WOLSEY, L.. **An exact algorithm for IP column generation**. *Operations Research Letters*, 19:151–159, 1996.
- [77] VANDERBECK, F.. **Lot-sizing with start-up times**. *Management Science*, 44(10):1409–1425, 1998.

- [78] VAN DEN AKKER, J.; HURKENS, C.; SAVELSBERGH, M.. **Time-indexed formulation for machine scheduling problems: column generation.** INFORMS Journal on Computing, 12:111–124, 2000.
- [79] VANDERBECK, F.. **On Dantzig-Wolfe decomposition in integer programming and ways to perform branching in a branch-and-price algorithm.** Operations Research, 48(1):111–128, 2000.
- [80] VERWEIJ, A. M.. **Selected Applications of Integer Programming: A Computational Study.** PhD thesis, Universiteit Utrecht, 2000.
- [81] WOLSEY, L. A.. **Integer Programming.** Wiley-Interscience, 1998.
- [82] ZANAKIS, S. H.; EVANS, J.. **Heuristic Optimization: Why, When and How to Use it.** Interfaces, 11:84–90, 1981.