

Appendix B

Software

Below are listed all the filenames referenced in this book. The files are available on the Ventus website.

Referred to in Chap. 1

Prolog Source

enigma.pl

Referred to in Chap. 2

Prolog Source

automated.pl, bf.pl, bdf.pl, df.pl, df1.pl, df2.pl, df3.pl, df4.pl, blindsearches.pl, board.pl, eight_links.pl, eight_puzzle.pl, hand_knit.pl, iterd.pl, kinks.pl, kinks1.pl, kinks2.pl, kinks3.pl, kinks4.pl, kinks5.pl, links.pl, loop_puzzle1.pl, loop_puzzle1a.pl, loop_puzzle2.pl, loops.pl, naive.pl, netsearch.pl, searchinfo.pl, small_board.pl, straightloop.pl, straightloop1.pl, straightloop2.pl, straightloop3.pl

Referred to in Chap. 3

Prolog Source

asearches.pl, bsearches.pl, eight_puzzle_a.pl, eight_puzzle_b.pl, floorplan.pl, graph_a.pl, graph_b.pl, graph_c.pl, links.pl, knight.pl, maze.pl, maze_disp.pl, robot.pl, rsearches.pl, tedious.pl

Referred to in Chap. 4

Prolog Source

draw.pl, sieve.pl

L^AT_EX Source

exam.tex, part.tex, part_sln.tex, spirals.tex

Shell Script`sieve, curves`**Other Files**`spirals, without_waters, with_waters`

The advertisement features a runner in motion against a warm, golden sunset background. The GaitEye logo, consisting of a stylized yellow square icon followed by the brand name "gaiteye" in lowercase, is positioned in the upper left. Below the logo, the tagline "Challenge the way we run" is written in a smaller font. In the lower left, the text "EXPERIENCE THE POWER OF FULL ENGAGEMENT..." is displayed above a dotted line. The lower right contains the slogan "RUN FASTER. RUN LONGER.. RUN EASIER..." with a small line drawing of a race finish line. A yellow call-to-action button in the bottom right corner encourages users to "READ MORE & PRE-ORDER TODAY" at WWW.GAITEYE.COM. A hand cursor icon is shown clicking the button.

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References

- [1] K. Austin. Enigma 1225: Rows are columns. *New Scientist*, pages 55–55, 2003. February 8, 2003.
- [2] H.-J. Bartsch. *Handbook of Mathematical Formulas*. Academic Press, New York, 1974.
- [3] N. L. Biggs. *Discrete Mathematics*. Clarendon Press, Oxford, 1989.
- [4] H. Cambazard, B. O’Sullivan, and B.M. Smith. A constraint-based approach to enigma 1225. *Computers and Mathematics with Applications*, 58:1487–1497, 2009.
- [5] W. F. Clocksin. *Clause and Effect – Prolog Programming for the Working Programmer*. Springer, London, 1997.
- [6] M. A. Covington, D. Nute, and A. Vellino. *Prolog Programming in Depth*. Prentice Hall, Upper Saddle River, NJ, 1997.
- [7] A. Csenki. Enigma 1225: Prolog-assisted solution of a puzzle using discrete mathematics. *Computers and Mathematics with Applications*, 52:383–400, 2006.
- [8] A. Csenki. Rotations in the plane and Prolog. *Science of Computer Programming*, 66:154–161, 2007.
- [9] A. Csenki. *Prolog Techniques*. Ventus Publishing ApS, Copenhagen, 2009.
<http://www.bookboon.com/uk/student/it/>.
- [10] I. Fekete, T. Gregorics, and S. Nagy. *Bevezetés a Mesterséges Intelligenciába (Introduction to Artificial Intelligence)*. LSI Oktatóközpont a Mikroelektronika Kultúrájáért Alapítvány, Budapest, 1990.
- [11] M. Fogiel. *Handbook of Mathematical, Scientific, and Engineering Formulas, Tables, Graphs, Transforms*. Research and Education Association, New York, 1984.
- [12] C. Fox, S. Danicic, M. Harman, and R. M. Hierons. CONSIT: a fully automated conditioned program slicer. *Software – Practice and Experience*, 34:15–46, 2004.
- [13] I. M. Gelfand and S. V. Fomin. *Calculus of Variations*. Prentice-Hall, Englewood Cliffs, NJ, 1963.
- [14] M. Goossens, F. Mittelbach, and A. Samarin. *The L^AT_EX Companion*. Addison-Wesley, Reading, Ma, 1994.
- [15] W. Jaksch. Künstliche Intelligenz I – Symbolische KI (Artificial Intelligence I – Symbolic AI). Technical report, University of Erlangen, Erlangen, Germany, 2002.
<http://www8.informatik.uni-erlangen.de/IMMD8/Lectures/KI-I/>.

- [16] EPS Trade Kft. Egyenes karika (Straight loop). *LOGIKOKTÉL, A Hungarian monthly puzzle magazine*, pages 2–2, 2001. Issue 2001/3.
- [17] EPS Trade Kft. Fekete–Fehér (Black–White). *LOGIKOKTÉL, A Hungarian monthly puzzle magazine*, pages 2–2, 2001. Issue 2001/3.
- [18] EPS Trade Kft. minden második töréspont (Every other kink). *LOGIKOKTÉL, A Hungarian monthly puzzle magazine*, pages 10–10, 2002. Issue 2002/8.
- [19] R. Knott. Using prolog to animate mathematics. In D. R. Brough, editor, *Logic Programming – New Frontiers*. Intellect Books, Oxford, 1992.
- [20] R. E. Korf. Depth-first iterative-deepening: An optimal admissible tree search. *Artificial Intelligence*, 27:97–109, 1985.
- [21] R. E. Korf, M. Reids, and S. Edelkamp. Time complexity of iterative-deepening- A^* . *Artificial Intelligence*, 129:199–218, 2001.
- [22] M. McGrath. *LINUX in Easy Steps*. Computer Step, Southam, 2006.
- [23] N. J. Nilsson. *Artificial Intelligence: A New Synthesis*. Morgan Kaufmann, San Francisco, Ca, 1998.
- [24] D. S. Parker. Stream data analysis in prolog. In L. Shapiro, editor, *The Practice of Prolog*. MIT Press, Cambridge, Ma, 1990.
- [25] H.-O. Peitgen, H. Jürgens, and D. Saupe. *Chaos and Fractals – New Frontiers of Science*. Springer, New York, 1992.
- [26] K. F. Riley, M. P. Hobson, and S. J. Bence. *Mathematical Methods for Physics and Engineering*. Cambridge University Press, Cambridge, UK, second edition, 2002.
- [27] S. J. Russell and P. Norvig. *Artificial Intelligence – A Modern Approach*. Prentice Hall, Upper Saddle River, NJ, 1995.
- [28] L. Sterling and E. Shapiro. *The Art of Prolog – Advanced Programming Techniques*. MIT Press, Cambridge Ma, London, 1986.
- [29] T. Dean T, J. Allen, and Y. Aloimonos. *Artificial Intelligence – Theory and Practice*. Benjamin/Cummings, Redwood City Ca., 1995.
- [30] S. Thompson. *Haskell: The Craft of Functional Programming*. Addison–Wesley, Harlow and London and New York, 1996.
- [31] S. Todd. *Basic Numerical Mathematics*, volume 2. Academic Press, Harlow and London and New York, 1978. Basic Numerical Algebra.
- [32] M. Weiser. Program slicing. *IEEE Transactions on Software Engineering*, 10:352–357, 1984.
- [33] J. Wielemaker. *SWI-Prolog 5.4 Reference Manual*. Amsterdam, 2004.
<http://www.swi-prolog.org>.
- [34] P. H. Winston. *Artificial Intelligence*. Addison–Wesley, Reading, Ma, third edition, 1992.