

Solves a Linear Programming problem in "canonical" form, i.e., with equations only and $x_{i}=0$.
The constraint matrix, $A$, must be given ending (each row) with the right-hand side (RHS) constant ('return' at end of line). So, e.g., $-x_{1}+4 x_{2}=78$ would become $-14 \ldots 78$. The program finds the number of constraints.

This Problem follows the manual resolution by the matrix method (revised simplex). For a "commercial" resolution: NAG version.
'Delta' is: (a) [V. Tavares, 1996] the reduced cost (rc) vector; (b) [WinQSB, 1996] the $r c$ vector for the structural basic variables, and minus the shadow prices for the constraints, according to the slack variables. ('Lindo' [2002] gives symmetrical rc.)

References:

- Tavares, L. Valadares, Rui Carvalho Oliveira, Isabel Hall Themido, F. Nunes Correia, 1996, "Investigação Operacional" (Operational Research), McGraw-Hill, Amadora (Portugal).

Reset

- WinQSB ? (see instructions !) by Yih-Long Chang in Lawrence, Jr., John A. and Barry A. Pasternack, 2.nd ed., 2002, "Applied Management Science: modeling, spreadsheet analysis, and communication for decision making", John Wiley, New York, NY (USA).
- Lindo ?, Lindo Systems, Inc., Chicago, IL (USA).
- WAGNER, Harvey M., $1972^{+}$, "Principles of Operations Research, with applications to managerial decisions", John Wiley, New York, NY (USA).

