NAME

UVARTY − CUTEr tool to determine the type of each variable.

SYNOPSIS

CALL UVARTY(N, IVARTY)

DESCRIPTION

The UVARTY subroutine determines the type (continuous, 0-1, integer) of each variable involved in the problem decoded into OUTSDIF.d in the case where the only possible constraints are bound constraints.

ARGUMENTS

The arguments of UVARTY are as follows

N [in] - integer
the number of variables for the problem,

IVARTY [out] - integer
an integer array whose i-th component indicates the type of variable i. Possible values are 0 (a variable whose value may be any real number), 1 (an integer variable that can only take the values zero or one) and 2 (a variable that can only take integer values).

AUTHORS

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SEE ALSO

CUTEr (and SifDec): A Constrained and Unconstrained Testing Environment, revisited,
N.I.M. Gould, D. Orban and Ph.L. Toint,
ACM TOMS, **29**:4, pp.373-394, 2003.

CUTE: Constrained and Unconstrained Testing Environment, I. Bongartz, A.R. Conn, N.I.M. Gould and Ph.L. Toint, TOMS, **21**:1, pp.123-160, 1995.

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