NAME

UDIMSH – CUTEr tool to determine the number of nonzeros required to store the sparse Hessian matrix in coordinate format.

SYNOPSIS

CALL UDIMSH(NNZH)

DESCRIPTION

The UDIMSH subroutine determine the number of nonzeros required to store the Hessian matrix of the objective function of the problem decoded into OUTSDIF.d at the point X in the case where the only possible constraints are bound constraints. This Hessian matrix is stored as a sparse matrix in coordinate format.

ARGUMENTS

The arguments of UDIMSH are as follows

NNZH [out] - integer
the number of nonzero elements in the matrix.

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.

cdimsh(3M).