NAME

　　　　CUTEST_connames – CUTEst tool to obtain the names of the problem constraints.

SYNOPSIS

　　　　CALL CUTEST_connames(status, m, CNAMES)

DESCRIPTION

　　　　The CUTEST_connames subroutine obtains the names of the general constraints of the problem.

　　　　The problem under consideration is to minimize or maximize an objective function $f(x)$ over all $x \in R^n$ subject to general equations $c_i(x) = 0$, $(i \in 1, \ldots, m_E)$, general inequalities $c_i^l(x) \le c_i(x) \le c_i^u(x)$, $(i \in m_E + 1, \ldots, m)$, and simple bounds $x^l \le x \le x^{u.}$ The objective function is group-partially separable and all constraint functions are partially separable.

ARGUMENTS

　　　　The arguments of CUTEST_connames are as follows

　　　　status [out] - integer

　　　　　　the outputr status: 0 for a succesful call, 1 for an array allocation/deallocation error, 2 for an array bound error, 3 for an evaluation error,

　　　　m [in] - integer

　　　　　　the total number of general constraints,

　　　　CNAMES [out] - character

　　　　　　an array of 10-character strings containing the names of the general constraints.

AUTHORS

　　　　I. Bongartz, A.R. Conn, N.I.M. Gould, D. Orban and Ph.L. Toint

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.

　　　　cutest_unames(3M), cutest_cnames(3M), cutest_varnames(3M), cutest_probname(3M).

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