

ADAS Subroutine xxchss

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subroutine xxchss(n, lup, ca, itag)
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C  
C ***** FORTRAN77 SUBROUTINE: XXCHSS *****  
C  
C PURPOSE: Sorts a character array xa and its index array. This is a  
C           bubble sort designed for small arrays.  
C  
C  
C CALLING PROGRAM:  General use  
C  
C  
C SUBROUTINE:  
C  
C INPUT          : (I*4) N      = Size of input arrays  
C INPUT          : (L*4) LUP    = .TRUE. sort in ascending order  
C                   .FALSE. descending order  
C INPUT/OUPUT    : (C)   CA     = Array to be sorted  
C INPUT/OUPUT    : (I*4) ITAG   = Original index of sorted XA  
C  
C ROUTINES       : NONE  
C  
C NOTES          : Shell sort from Numerical Receipies.  
C  
C AUTHOR         : Martin O'Mullane  
C  
C DATE           : 7-02-2000  
C  
C VERSION        : 1.1  
C  
C-----  
C  
C CHARACTER*(*)   CA(*)  
C INTEGER          ITAG(*), N  
C LOGICAL          LUP
```