

ADAS Subroutine xxbasr

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subroutine xxbasr(a , ia , base_a, b, ib , base_b)
c-----
c
c ***** fortran77 subroutine: xxbasr *****
c
c purpose : to rebase a number, given in the form  $a \cdot \text{base}_a^{\text{ia}}$  to the
c           form  $b \cdot \text{base}_b^{\text{ib}}$ .
c
c calling program: general use
c
c subroutine:
c
c input : (r*8)  a      = mantissa of number
c input : (i*4)  ia     = characteristic of number
c input : (r*8)  base_a  = base of number system
c input : (r*8)  base_b  = base of new number system
c
c output: (r*8)  b      = mantissa of number in new system
c output: (i*4)  ib     = characteristic of number in new system
c
c routines:
c      routine      source      brief description
c      -----
c      xxbass       adas        to scale a number to a base
c      i4unit       adas        fetch unit number for output of messages
c
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c date:    07-05-2008
c
c
c version  : 1.1
c date     : 07-05-2008
c modified : Hugh Summers
c           - first version.
c-----
c
c      INTEGER      IA,      IB
c      REAL*8       A,      B,      BASE_A,      BASE_B
```