

ADAS Subroutine xxbasa

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subroutine xxbasa(a , ia , b , ib , base , c , ic)
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c
c ***** fortran77 subroutine: xxbasa *****
c
c purpose : to add two numbers, given in the form  $a \cdot \text{base}^{\text{ia}}$  and
c            $b \cdot \text{base}^{\text{ib}}$ , where the base must be the same.
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)  b      = mantissa of number
c input : (i*4)  ib     = characteristic of number
c input : (r*8)  base   = base of number system
c
c output: (r*8)  c      = mantissa of answer
c output: (i*4)  ic     = characteristic of answer
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:    14-05-2008
c
c
c version  : 1.1
c date     : 14-05-2008
c modified : Hugh Summers
c           - first version.
c-----
c
c      INTEGER      IA,      IB,      IC
c      REAL*8       A,      B,      BASE,      C
```