

## ADAS Subroutine xxbass

```
subroutine xxbass(a , ia , b, ib , base)
c-----
c
c ***** fortran77 subroutine: xxbass *****
c
c purpose : to scale a number, given in the form  $a \cdot \text{base}^{\text{ia}}$  such that
c           base  $\leq a < 1/\text{base}$ .
c
c calling program: general use
c
c subroutine:
c
c input : (r*8)  a      = mantissa of number
c input : (i*4)  ia     = characteristic
c input : (r*8)  base   = base of number system
c
c output: (r*8)  b      = modified mantissa of number
c output: (i*4)  ib     = modified characteristic of number
c
c routines:
c      routine      source      brief description
c      -----
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
```