

## ADAS Subroutine xxdeci

```
subroutine xxdeci(x,iw,id,ifail)
```

```
c-----  
c  
c ***** fortran 77 subroutine: dgwpec *****  
c  
c purpose: To decide the number of decimals which can be printed  
c           after the decimal point in a fixed format with a specified  
c           field length.  
c  
c  
c subroutine:  
c  
c input : (r*8)  x          = decimal number for printing in fixed format  
c input : (i*4)  iw         = field length including sign and dec. pt.  
c  
c output: (i*4)  id         = number of decimals to print after dec. pt.  
c output (i*4)  ifail      = 0 => variable is printable as fixed point  
c                               in the specified field length  
c                               1 => variable cannot be printed as fixed  
c                               point in the specified field length  
c  
c routines:  
c      routine      source      brief description  
c      -----  
c      i4unit       adas        fetch unit number for output of messages  
c  
c  
c author:  h. p. summers, university of strathclyde  
c          ja7.08  
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c  
c date:    26/04/06  
c  
c version: 1.1                                date: 26/04/2006  
c modified: hugh p summers  
c          - first edition.  
c-----  
c  
c          INTEGER          ID,          IFAIL,          IW  
c          REAL*8           X
```