

## ADAS Subroutine b6ispc

```
      SUBROUTINE B6ISPC( NORD , IORDR , ISULEV ,  
&                      IORDS  
&                      )
```

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C-----  
C  
C ***** FORTRAN77 SUBROUTINE: B6ISPC *****  
C  
C PURPOSE: TO IDENTIFY IN THE ORDINARY LEVEL INDEX THE INDEX FOR THE  
C           UPPER LEVEL OF THE SPECIFIC LINE POWER TRANSITION REQUESTED.  
C  
C CALLING PROGRAM:  ADAS206  
C  
C SUBROUTINE:  
C  
C INPUT : (I*4)  NORD      = NUMBER OF ORDINARY EXCITED LEVELS.  
C INPUT : (I*4)  IORDR()  = INDEX OF ORDINARY EXCITED LEVELS IN COMPLETE  
C                           LEVEL LIST.  
C INPUT : (I*4)  ISULEV   = UPPER ENERGY LEVEL OF SPECIFIC LINE POWER  
C                           TRANSITION.  
C OUTPUT: (I*4)  IORDS    = INDEX OF SPECIFIC LINE POWER TRANSITION  
C                           UPPER LEVEL IN ORDINARY LEVEL INDEX.  
C  
C           (I*4)  I4UNIT   = FUNCTION (SEE ROUTINE SECTION BELOW)  
C           (I*4)  IO       = ORDINARY EXCITED LEVEL NUMBER COUNTER  
C  
C  
C ROUTINES:  
C  
C           ROUTINE      SOURCE      BRIEF DESCRIPTION  
C           -----  
C           XXTERM       ADAS        TERMINATES PROGRAM WITH MESSAGE  
C           I4UNIT       ADAS        FETCH UNIT NUMBER FOR OUTPUT OF MESSAGES  
C  
C  
C AUTHOR:  PAUL E. BRIDEN (TESSELLA SUPPORT SERVICES PLC)  
C          K1/0/81  
C          JET EXT. 4569  
C  
C DATE:    09/10/90  
C  
C UPDATE:  23/04/93 - PE BRIDEN - ADAS91: ADDED I4UNIT FUNCTION TO WRITE  
C                           STATEMENTS FOR SCREEN MESSAGES  
C  
C UPDATE:  24/05/93 - PE BRIDEN - ADAS91: CHANGED I4UNIT(0)-> I4UNIT(-1)  
C  
C UNIX-IDL PORT:  
C  
C AUTHOR:  WILLIAM OSBORN (TESSELLA SUPPORT SERVICES PLC)  
C  
C DATE:    06/06/96  
C  
C VERSION: 1.1          DATE:06/06/96  
C MODIFIED: WILLIAM OSBORN
```

C - FIRST VERSION

C

C-----

C

C-----

INTEGER

IORDR (NORD) , IORDS ,

ISULEV ,

NORD