ADAS Subroutine find

```fortran
      SUBROUTINE FIND(ARR,VALUE,IMAX,INDEX)

C-----------------------------------------------------------------------
C
C  ****************** FORTRAN77 SUBROUTINE: FIND *********************
C
C  PURPOSE:
C  SUBROUTINE TO FIND VALUES FROM LINE AND STORE ONLY NOT REPEATED
C  VALUES
C
C
C  INPUT
C      ARR = NAME OF ARRAY TO STORE ELEMENTS
C      VALUE = VALUE TO BE FOUND IN LINE
C      IMAX = TOTAL NUMBER OF NOT REPEATED ELEMENTS IN ARRAY
C       INDEX = COUNTER OF ELEMENT POSITION IN ARRAY
C  OUTPUT
C       ARR = ARRAY CONTAINING NOT REPEATED VALUES READ FROM LINE
C
C NOTES: THIS ROUTINE IS NOT YET PROPERLY ANNOTATED
C
C UNIX-IDL PORT:
C
C VERSION: 1.1                          DATE: 01-02-96
C MODIFIED: TIM HAMMOND (TESSELLA SUPPORT SERVICES PLC)
C                - PUT UNDER SCCS CONTROL
C
C-----------------------------------------------------------------------
      LOGICAL OVER,FOUND
      INTEGER           IMAX,        INDEX
      REAL              ARR(*),      VALUE
```