```
====================================================================== Relabel
                                                                       Relabel
    PROGRAM RELABEL                                                     Relabel
    ===============                                                     Relabel
    VERSION 69-1 (APRIL 1969)                                          Relabel
    VERSION 73-1 (JUNE 1973)                                           Relabel
    VERSION 77-1 (SEPTEMBER 1977)                                      Relabel
    VERSION 80-1 (AUGUST 1980) IBM VERSION                             Relabel
    VERSION 83-1 (JANUARY 1983) COMBINED STATEMENT NUMBER SEQUENCE     Relabel
                                AND LINE I.D. INTO ONE PROGRAM.        Relabel
    VERSION 86-1 (JANUARY 1986) FORTRAN-77/H VERSION                   Relabel
    VERSION 88-1 (JULY 1988)    *OPTION...INTERNALLY DEFINE ALL I/O    Relabel
                                 FILE NAMES (SEE, SUBROUTINES FILIO1   Relabel
                                 AND FILIO2 FOR DETAILS).              Relabel
                                *IMPROVED BASED ON USER COMMENTS.      Relabel
    VERSION 89-1 (JANUARY 1989)*PSYCHOANALYZED BY PROGRAM FREUD TO     Relabel
                                 INSURE PROGRAM WILL NOT DO ANYTHING   Relabel
                                 CRAZY.                                Relabel
                                *UPDATED TO USE NEW PROGRAM CONVERT    Relabel
                                 KEYWORDS.                             Relabel
                                *ADDED LIVERMORE CIVIC COMPILER        Relabel
                                 CONVENTIONS.                          Relabel
    VERSION 92-1 (JANUARY 1992)*ADDED FORTRAN SAVE OPTION              Relabel
    VERSION 94-1 (JANUARY 1994)*COMPLETE RE-WRITE                      Relabel
                                *OUTPUT MINIMUM NON-BLANK LENGTH FOR   Relabel
                                 EACH LINE - NO SEQUENCE NUMBERS.      Relabel
                                *INCREASED MAXIMUM NUMBER OF LABELS    Relabel
                                 PER ROUTINE FROM 1000 TO 50,000       Relabel
                                *CAN NOW PROCESS UPPER OR LOWER CASE   Relabel
                                 CODING.                               Relabel
                                *SKIP IMBEDDED BLANKS IN KEYWORDS.     Relabel
                                *ADDED WRITE(XX,XX,ERR=YYY,END=ZZZ)    Relabel
                                *ADDED OPEN(XX,ERR=YYY,END=ZZZ)        Relabel
                                *ADDED CLOSE(XX,ERR=YYY,END=ZZZ)       Relabel
                                *INTEGER INSTEAD OF CHARACTERS IS NO   Relabel
                                 LONGER SUPPORTED - ALL CHARACTERS     Relabel
                                 MUST BE IDENTIFIED AS CHARACTERS.     Relabel
                                *VARIABLE FILENAMES TO ALLOW ACCESS    Relabel
                                 FILE STRUCTURES                       Relabel
                                 (WARNING - INPUT PARAMETER FORMAT     Relabel
                                 HAS BEEN CHANGED)                     Relabel
                                *CLOSE ALL FILES BEFORE TERMINATING    Relabel
                                 (SEE, SUBROUTINE ENDIT)               Relabel
    VERSION 96-1 (JANUARY 1996) *COMPLETE RE-WRITE                     Relabel
                                *IMPROVED COMPUTER INDEPENDENCE        Relabel
                                *ALL DOUBLE PRECISION                  Relabel
                                *ON SCREEN OUTPUT                      Relabel
                                *IMPROVED OUTPUT PRECISION             Relabel
                                *DEFINED SCRATCH FILE NAMES            Relabel
                                *INCREASED THE NUMBER OF LABELS        Relabel
                                 IN A ROUTINE FOR 5,000 TO 50,000      Relabel
    VERSION 99-1 (MARCH 1999)   *GENERAL IMPROVEMENTS BASED ON         Relabel
                                 USER FEEDBACK                         Relabel
    VERS. 2000-1 (FEBRUARY 2000)*UPDATED TO IGNORE ( AND ) IN QUOTES   Relabel
                                *GENERAL IMPROVEMENTS BASED ON         Relabel
                                 USER FEEDBACK                         Relabel
    VERS. 2002-1 (MAY 2002)     *OPTIONAL INPUT PARAMETERS             Relabel
                                *CORRECTED END=, ERR=, WHEN I/O UNIT   Relabel
                                 NUMBER IS DIMENSIONED                 Relabel
    VERS. 2004-1 (MARCH 2004)   *ADDED INCLUDE FOR COMMON              Relabel
                                *INCREASED THE NUMBER OF LABELS IN     Relabel
                                 A ROUTINE FOR 50,000 TO 100,000       Relabel
    VERS. 2007-1 (DEC.  2007)   *72 CHARACTER FILE NAMES.              Relabel
    VERS. 2010-1 (Apr.  2010)   *General update based on user feedback Relabel
    VERS. 2012-1 (Aug.  2012)   *Added CODENAME                       Relabel
                                *32 and 64 bit COMPATIBLE             Relabel
                                *Added ERROR stop                     Relabel
    VERS. 2015-1 (Jan.  2015)   *Replaced ALL 3 way IF Statements.     Relabel
    VERS. 2017-1 (May   2017)   *Updated based on user feedback.       Relabel
    VERS. 2018-1 (Jan.  2018)   *On-line output for ALL ENDERROR       Relabel
    VERS. 2019-1 (June  2019)   *Identical to 2018-1                  Relabel
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                                                             Relabel
        OWNED, MAINTAINED AND DISTRIBUTED BY                 Relabel
        -----------------------------------                  Relabel
        THE NUCLEAR DATA SECTION                             Relabel
        INTERNATIONAL ATOMIC ENERGY AGENCY                   Relabel
        P.O. BOX 100                                         Relabel
        A-1400, VIENNA, AUSTRIA                              Relabel
        EUROPE                                               Relabel
                                                             Relabel
        ORIGINALLY WRITTEN BY                                Relabel
        -----------------------------------                  Relabel
        Dermott E. Cullen                                    Relabel
                                                             Relabel
        PRESENT CONTACT INFORMATION                          Relabel
        --------------------------                           Relabel
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        Livermore, CA 94550                                  Relabel
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        E. Mail    RedCullen1@Comcast.net                    Relabel
        Website    RedCullen1.net/HOMEPAGE.NEW               Relabel
                                                             Relabel
        PURPOSE                                              Relabel
        -------                                              Relabel
        THIS PROGRAM IS DESIGNED TO RE-LABEL A FORTRAN PROGRAM SO THAT  Relabel
        STATEMENT LABELS ARE IN INCREASING ORDER IN INCREMENTS OF 10    Relabel
        WITHIN EACH ROUTINE.                                 Relabel
                                                             Relabel
        THE FOLLOWING TYPES OF FORTRAN STATEMENTS ARE CONSIDERED,       Relabel
                                                             Relabel
        GO TO NN                                             Relabel
        GO TO (NN,MM,.....,JJ,KK),LL (MULTI LINE O.K.)       Relabel
        DO NN                                                Relabel
        IF(......) NN,MM,...JJ,KK                            Relabel
        IF(......) GO TO NN                                  Relabel
        IF(......) GO TO (NN,MM,.....,JJ,KK),LL (MULTI LINE O.K.)       Relabel
        IF(......) READ(.....,END=NN,ERR=MM)                 Relabel
        IF(......) WRITE(.....,END=NN,ERR=MM)                Relabel
        READ(......,END=NN,ERR=MM)                           Relabel
        OPEN(......,END=NN,ERR=MM)                           Relabel
                                                             Relabel
        GO TO STATEMENTS MAY APPEAR IN THE FORM 'GO TO' OR 'GOTO'. IF   Relabel
        THERE IS ROOM ON THE LINE 'GOTO' WILL BE CONVERTED TO 'GO TO'.  Relabel
        WHETHER OR NOT 'GOTO' IS CONVERTED TO 'GO TO' IT WILL BE TREATED Relabel
        AS IDENTICAL TO 'GO TO' FOR SUBSEQUENT PROCESSING AND RELACEMENT Relabel
        OF STATEMENT NUMBERS.                                Relabel
                                                             Relabel
        ALL OTHER STATEMENT TYPES ARE NOT CHANGED. IN PARTICULAR ALL I/O Relabel
        STATEMENTS AND ASSOCIATED FORMAT STATEMENTS ARE NOT CONVERTED.  Relabel
                                                             Relabel
        WARNING                                              Relabel
        -------                                              Relabel
        THIS PROGRAM IS ONLY DESIGNED TO MAINTAIN ENDF/B PRE-PROCESSING Relabel
        PROGRAMS, WHICH ONLY USE A RESTRICTED SET OF FORTRAN STATEMENT  Relabel
        TYPES THAT CAN BE USED ON A VARIETY OF DIFFERENT TYPES OF       Relabel
        COMPUTERS. THIS PROGRAM IS NOT DESIGNED TO HANDLE ALL POSSIBLE  Relabel
        TYPES OF FORTRAN STATEMENTS.                         Relabel
                                                             Relabel
        THE FORTRAN STATEMENTS DESCRIBED ABOVE AND TREATED BY THIS PROGRAM Relabel
        DO NOT INCLUDE ALL POSSIBLE FORTRAN STATEMENTS. AS SUCH THIS    Relabel
        PROGRAM IS NOT COMPLETELY GENERAL AND SHOULD ONLY BE USED WITH  Relabel
        PROGRAMS THAT ONLY USE THE FORTRAN STATEMENTS DESCRIBED ABOVE.  Relabel
                                                             Relabel
        FAILURE TO FOLLOW THESE INSTRUCTIONS CAN LEAD TO ERROR IN PROGRAMS Relabel
                                                             Relabel
        OPTIONAL STANDARD FILE NAMES (SEE SUBROUTINES FILIO1 AND FILIO2) Relabel
        -------------------------------------------------------------   Relabel
        UNIT  FILE NAME    DESCRIPTION                       Relabel
        ----  ----------   -----------                       Relabel
          2   RELABEL.INP  INPUT PARAMETERS                  Relabel
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   3   RELABEL.LST  OUTPUT REPORT                                 Relabel
  10   RELABEL.IN   PROGRAM TO READ                               Relabel
  11   RELABEL.OUT  PROGRAM TO WRITE                              Relabel
  12   (SCRATCH)                                                  Relabel
                                                                  Relabel
INPUT CARDS                                                       Relabel
----------                                                        Relabel
LINE  COLUMNS  DEFINITION                                         Relabel
----  -------  ----------                                         Relabel
   1   1-72    INPUT PROGRAM FILENAME                             Relabel
                (STANDARD OPTION = RELABEL.IN)                    Relabel
   2   1-72    OUTPUT PROGRAM FILENAME                            Relabel
                (STANDARD OPTION = RELABEL.OUT)                   Relabel
                                                                  Relabel
LEAVE THE DEFINITION OF THE FILENAMES BLANK - THE PROGRAM WILL    Relabel
THEN USE STANDARD FILENAMES.                                      Relabel
                                                                  Relabel
EXAMPLE INPUT NO. 1                                               Relabel
------------------                                                Relabel
TO READ \PREPRO94\RECENT\RECENT.FOR AND                          Relabel
WRITE   \PREPRO94\RECENT\RECENT.NEW THE FOLLOWING 2 INPUT LINES   Relabel
ARE REQUIRED,                                                     Relabel
                                                                  Relabel
\PREPRO94\RECENT\RECENT.FOR                                       Relabel
                                                                  Relabel
EXAMPLE INPUT NO. 2                                               Relabel
------------------                                                Relabel
TO READ RELABEL.IN AND WRITE RELABEL.OUT THE FOLOWING 2 INPUT     Relabel
LINES ARE REQUIRED,                                               Relabel
                                                                  Relabel
RELABEL.IN                                                        Relabel
RELABEL.OUT                                                       Relabel
                                                                  Relabel
EXAMPLE INPUT NO. 3                                               Relabel
------------------                                                Relabel
TO READ RELABEL.IN AND WRITE RELABEL.OUT, SINCE THESE ARE THE     Relabel
STANDARD OPTIONS THE 2 INPUT LINES CAN BE COMPLETELY BLANK.       Relabel
                                                                  Relabel
================================================================= Relabel
```