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 Relabel

 PROGRAM RELABEL Relabel

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 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

 Relabel

 OWNED, MAINTAINED AND DISTRIBUTED BY Relabel

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 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

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 Dermott E. Cullen Relabel

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 Relabel

 PURPOSE Relabel

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 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

 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

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