======================================================================= Relabel

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

------------------------------------ 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

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Dermott E. Cullen Relabel

Relabel

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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

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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