LIST OF ERROR MESSAGES AND DIAGNOSTICS FOR THE DAVE SYSTEM

by

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This report is divided into 3 parts:

- PART A is a list of specimen errors, warning and messages produced by the DAVE system in its action upon the programs and sub-programs being analyzed. (Pages 2-11)
- PART B is a list of DAVE diagnostics which relate to the operation of the system itself. The explanation is brief and is directed to the DAVE user. (Pages 12-22)
- PART C is a more complete list of DAVE diagnostics, oriented toward the DAVE maintainer. (Pages 23-44)

The DAVE system is under continuous development and the diagnostics listed here are those incorporated in DAVE 4.0 and are subject to change in future editions.

PART A

| ************************************** |
|---|
| A FUNCTION NAME IS INCORRECTLY USED FOR INPUT. |
| NAME OF FUNCTION A |
| ************************************** |
| CALLING SUBPROGRAM CALLED SUBPROGRAM SYSMAIN ARGUMENT POSITION 2 NAME OF ARGUMENT KIND OF ARGUMENT INTEGER CONSTANT INPUT CLASS OUTPUT CLASS STR. OUTPUT ********************************** |
| ************************************** |
| CALLING SUBPROGRAM CALLED SUBPROGRAM SYSMAIN ARGUMENT POSITION 2 NAME OF ARGUMENT C D |
| ************************************** |
| CALLING SUBPROGRAM CALLED SUBPROGRAM SYSMAIN A ********************************** |
| ************************************** |
| CALLING SUBPROGRAM CALLED SUBPROGRAM SYSMAIN COMMON BLOCK NAME NAME OF VARIABLE ************************************ |

****ERROR SUB APPEARS TO BE A SUBPROGRAM THAT IS CALLED YET NOT AVAILABLE. EITHER AN ARRAY (WITH THE ABOVE NAME) IS NOT DIMENSIONED, OR THE SUBPROGRAM CODE IS MISSING. NAME OF CALLER C D E F G Н Ι ,T *****ERROR A COMMON VARIABLE REQUIRES A VALUE IN THE MAIN PROGRAM, YET IT IS NOT INITIALIZED IN BLOCK DATA. CALLING SUBPROGRAM SYSMAIN COMMON BLOCK NAME В VAR. NAME IN CALLER C VAR. NAME. BLK. DATA D ************************* *****ERROR A IS ALSO IN COMMON AND IS ASSIGNED A VALUE, THE DUMMY ARGUMENT WHICH IS PROHIBITED. ******************************* ****WARNING A FUNCTION NAME IS NOT ALWAYS ASSIGNED A VALUE. NAME OF FUNCTION Α ****WARNING STATEMENT NO. 1 BASIC BLOCK NO. CORRESPONDING ARGUMENTS IN THE PARAMETER LISTS ARE OF DIFFERENT DATA TYPES. CALLING SUBPROGRAM CALLED SUBPROGRAM

SYSMAIN Α ARGUMENT POSITION 2 DATA TYPE REAL INTEGER NAME OF ARGUMENT D KIND OF ARGUMENT INTEGER CONSTANT INPUT CLASS INPUT OUTPUT CLASS NON-OUTPUT

```
****ERROR
              STATEMENT NO.
                          1
                            BASIC BLOCK NO.
   AN ARGUMENT IN THE CALLING PROGRAM IS A PROCEDURE DECLARED
   EXTERNALLY. THE CORRESPONDING PARAMETER WILL BE USED BY THE
   CALLED SUBPROGRAM TO SUPPLY A VALUE.
              CALLING SUBPROGRAM
                            CALLED SUBPROGRAM
                  SYSMAIN
 ARGUMENT POSITION
  KIND OF ARGUMENT
                PROC. DEC. EXTERNAL
 NAME OF PROCEDURE
  NAME OF ARGUMENT
                                    D
      INPUT CLASS
                                   STR. INPUT
     OUTPUT CLASS
                                   OUTPUT
**** ERROR
              STATEMENT NO.
                          1
                            BASIC BLOCK NO.
   AN ARGUMENT IN THE CALLING PROGRAM IS A PROCEDURE DECLARED
   EXTERNALLY. THE CORRESPONDING PARAMETER WILL RECEIVE A VALUE
   IN THE CALLED SUBPROGRAM.
              CALLING SUBPROGRAM CALLED SUBPROGRAM
                   SYSMAIN
  ARGUMENT POSITION
                                  2
  KIND OF ARGUMENT
                PROC. DEC. EXTERNAL
  NAME OF PROCEDURE
                       G
  NAME OF ARGUMENT
      INPUT CLASS
                                  NON-INPUT
     OUTPUT CLASS
                                  STR. OUTPUT
**** ERROR
   THE VARIABLE NAMED
                     A BECOMES UNDEFINED (FALLING THROUGH
   STATEMENT NO.
                1), YET IS USED AS INPUT ON ALL
   PATHS THEREAFTER.
   ONE SUCH PATH, INDICATED BY BASIC BLOCK NUMBERS, IS
                        6
                                     9
*****ERROR
   A FUNCTION NAME IS NEVER ASSIGNED A VALUE.
  NAME OF FUNCTION
                       Α
**** ERROR
   THE LOCAL VARIABLE NAMED
                       A IS REFERENCED BEFORE BEING
   DEFINED ON ALL PATHS.
   ONE SUCH PATH, INDICATED BY BASIC BLOCK NUMBERS, IS
                4
                        6
                                 8
                                     9
```

| CALLING SUBPROGRAM ARGUMENT POSITION 2 2 2 3 NAME OF ARGUMENT NAME OF ARGUMENT INPUT CLASS OUTPUT CLASS OUTPUT CLASS OUTPUT CLASS OUTPUT OUTPUT ********************************* | *****WARNING STATEMENT NO. 1 BASIC BLOCK NO. CORRESPONDING ARGUMENTS IN THE PARAMETER LISTS ARE OF DIFFERENT DIMENSIONALITY. | ************************************** |
|---|--|---|
| KIND OF ARGUMENT IDENTIFIER INPUT CLASS OUTPUT CLASS ********************************** | ARGUMENT POSITION 2 2 NUMBER OF DIMENSIONS 1 2 | |
| ************************************** | KIND OF ARGUMENT IDENTIFIER INPUT CLASS STR. INPUT OUTPUT CLASS | ***** |
| *****WARNING STATEMENT NO. 1 BASIC BLOCK NO. 1 AN ARGUMENT IN THE CALLING SUBPROGRAM IS AN EXPRESSION OR CONSTANT. THE CALLED SUBPROGRAM MAKES NO INPUT USE OF THE CORRESPONDING PARAMETER. CALLING SUBPROGRAM CALLED SUBPROGRAM SYSMAIN ARGUMENT POSITION NAME OF ARGUMENT INPUT CLASS OUTPUT CLASS OUTPUT CLASS *********************************** | | |
| ARGUMENT POSITION 2 2 NAME OF ARGUMENT KIND OF ARGUMENT INTEGER CONSTANT INPUT CLASS OUTPUT CLASS ********************************** | *****WARNING STATEMENT NO. 1 BASIC BLOCK NO. AN ARGUMENT IN THE CALLING SUBPROGRAM IS AN EXPRESSIO CONSTANT. THE CALLED SUBPROGRAM MAKES NO INPUT USE OF | 1 N. O.B. |
| ARGUMENT POSITION 2 2 NAME OF ARGUMENT INTEGER CONSTANT INPUT CLASS OUTPUT CLASS OUTPUT CLASS OUTPUT CLASS ********************************** | CVCMATH | |
| KIND OF ARGUMENT INTEGER CONSTANT INPUT CLASS OUTPUT CLASS ********************************** | ARGUMENT POSITION 2 | |
| OUTPUT CLASS ********************************** | KIND OF ARGUMENT INTEGER CONSTANT | • • • · · · · · · · · · · · · · · · · · |
| ************************************** | OUTPUT CLASS NON-INPUT | |
| ******WARNING STATEMENT NO. 1 BASIC BLOCK NO. 1 A POSSIBLE ILLEGAL SIDE EFFECT HAS BEEN DETECTED. IT OCCURS VIA A VARIABLE PASSED IN A PARAMETER LIST. THIS VARIABLE HAS APPEARED AT LEAST TWICE IN THIS STATEMENT IN ONE APPEARANCE IT IS USED AS INPUT AND IN THE OTHER AS OUTPUT. CALLING SUBPROGRAM CALLED SUBPROGRAM SYSMAIN ARGUMENT POSITION 2 2 2 NAME OF ARGUMENT C D ********************************** | ************************************** | **** |
| CALLING SUBPROGRAM CALLED SUBPROGRAM SYSMAIN ARGUMENT POSITION NAME OF ARGUMENT C ********************************** | A POSSIBLE ILLEGAL SIDE EFFECT HAS BEEN DETECTED. IT OCCURS VIA A VARIABLE PASSED IN A PARAMETER LIST. THIS VARIABLE HAS APPEARED AT LEAST TWICE IN THIS | |
| ARGUMENT POSITION 2 2 2 2 2 2 2 2 2 2 2 3 2 3 2 3 3 3 3 | AND IN THE OTHER AS OUTPUT. | |
| ARGUMENT POSITION 2 2 2 2 2 2 2 2 2 2 2 3 2 3 2 3 3 3 3 | CALLING SUBPROGRAM CALLED SUBPROGRAM | |
| NAME OF ARGUMENT C ********************************* | ARGUMENT POSITION 2 | |
| A VARIABLE IN A PARAMETER LIST IS USED FOR NEITHER INPUT NOR OUTPUT. NAME OF VARIABLE A ********************************* | NAME OF APCHMENT | |
| A VARIABLE IN A PARAMETER LIST IS USED FOR NEITHER INPUT NOR OUTPUT. NAME OF VARIABLE *********************************** | ************************************** | ***** |
| ************************************** | A VARIABLE IN A PARAMETER LIST IS USED FOR NEITHER IN | PUT NOR |
| ************************************** | NAME OF VARIABLE A | |
| ****WARNING A COMMON VARIABLE IN THE CALLED SUBPROGRAM MAY REQUIRE A VALUE, YET ITS COMMON BLOCK IS NOT AVAILABLE TO THE CALLING SUBPROGRAM AND THE VARIABLE IS NOT INITIALIZED IN BLOCK DATA. | | |
| CALLING SUBPROGRAM AND THE VARIABLE IS NOT INITIALIZED IN BLOCK DATA. | ****WARNING | |
| CALLING SUBPROGRAM CALLED SUBPROGRAM | CALLING SUBPROGRAM AND THE VARIABLE TS NOT INTITALIZED | |
| CYCLL THE CHEEK BOOK ROOMAN | CALLING SUBPROGRAM CALLED SUBPROGRAM | |
| COMMON BLOCK NAME SYSMAIN B | COMMON BLOCK NAME | |
| NAME OF VARIABLE *********************************** | NAME OF VARIABLE | **** |

6

********************************* ****WARNING

A COMMON VARIABLE IN THE CALLED SUBPROGRAM MAY BE ASSIGNED A VALUE, YET ITS COMMON BLOCK IS NOT AVAILABLE TO THE CALLING SUBPROGRAM. HENCE, A COMPUTED VALUE MAY BE LOST.

CALLING SUBPROGRAM CALLED SUBPROGRAM

SYSMAIN

Α

COMMON BLOCK NAME NAME OF VARIABLE ************************

В C

****WARNING

A COMMON VARIABLE IN THE CALLED SUBPROGRAM IS ASSIGNED A VALUE, YET ITS COMMON BLOCK IS NOT IN THE CALLING SUBPROGRAM. HENCE, A COMPUTED VALUE WILL BE LOST.

CALLING SUBPROGRAM CALLED SUBPROGRAM

SYSMATN

COMMON BLOCK NAME NAME OF VARIABLE

B C

****WARNING

CORRESPONDING BLOCK COMMON VARIABLES HAVE DIFFERENT DATA TYPES IN THE CALLING AND CALLED SUBPROGRAMS.

> CALLING SUBPROGRAM CALLED SUBPROGRAM

SYSMAIN

Α

COMMON BLOCK NAME NAME OF ARGUMENT

В C

В Ε

DATA TYPE ************************

LOGICAL

REAL

******************* ****WARNING STATEMENT NO. 1 BASIC BLOCK NO. AN ARGUMENT IN THE CALLING PROGRAM IS A PROCEDURE DECLARED THE CORRESPONDING PARAMETER MAY BE USED BY THE

CALLED SUBPROGRAM TO SUPPLY A VALUE.

CALLING SUBPROGRAM CALLED SUBPROGRAM

SYSMAIN

ARGUMENT POSITION KIND OF ARGUMENT NAME OF PROCEDURE

PROC. DEC. EXTERNAL

2

NAME OF ARGUMENT . INPUT CLASS

D INPUT

OUTPUT CLASS OUTPUT *************************

********************** ****WARNING STATEMENT NO. 1 BASIC BLOCK NO. AN ARGUMENT IN THE CALLING PROGRAM IS A PROCEDURE DECLARED EXTERNALLY. THE CORRESPONDING PARAMETER MAY RECEIVE A VALUE IN THE CALLED SUBPROGRAM. CALLING SUBPROGRAM CALLED SUBPROGRAM SYSMAIN Α ARGUMENT POSITION 2 KIND OF ARGUMENT PROC. DEC. EXTERNAL NAME OF PROCEDURE G NAME OF ARGUMENT D INPUT CLASS STR. INPUT OUTPUT CLASS OUTPUT ****************** *********************** ****WARNING A BECOMES UNDEFINED (FALLING THROUGH THE VARIABLE NAMED STATEMENT NO. 1), YET IS USED AS INPUT ON SOME PATHS THEREAFTER. ONE SUCH PATH, INDICATED BY BASIC BLOCK NUMBERS, IS 4 5 6 9 10 ... ******************* ****WARNING THE VARIABLE NAMED A IS ASSIGNED A VALUE IN ITS LAST USAGE ON ALL PATHS. ONE SUCH PATH, INDICATED BY BASIC BLOCK NUMBERS, IS 5 6 ******************* ******************* ****WARNING THE LOCAL VARIABLE NAMED A IS REFERENCED BEFORE BEING DEFINED ON SOME PATHS. ONE SUCH PATH, INDICATED BY BASIC BLOCK NUMBERS, IS 4 5 6 9 ****WARNING A COMMON VARIABLE IN THE CALLED SUBPROGRAM REQUIRES A VALUE, YET ITS COMMON BLOCK MAY NOT BE AVAILABLE TO THE SUBPROGRAM AND THE VARIABLE IS NOT INITIALIZED IN A BLOCK DATA SUBPROGRAM. CALLING SUBPROGRAM CALLED SUBPROGRAM SYSMAIN Α COMMON BLOCK NAME В NAME OF VARIABLE C **************************************

****WARNING A COMMON VARIABLE IN THE CALLED SUBPROGRAM IS ASSIGNED . A VALUE. YET ITS COMMON BLOCK MAY NOT BE AVAILABLE TO THE CALLING SUBPROGRAM. HENCE, A COMPUTED VALUE MAY BE LOST. CALLING SUBPROGRAM CALLED SUBPROGRAM SYSMAIN COMMON BLOCK NAME В NAME OF VARIABLE C ************************ ****WARNING A COMMON VARIABLE IN THE CALLED SUBPROGRAM, INITIALIZED IN BLOCK DATA, MAY BE ASSIGNED A VALUE AND UNDEFINITION MAY OCCUR UPON SUBSEQUENT INVOCATION OF THE CALLED_ ROUTINE. CALLING SUBPROGRAM CALLED SUBPROGRAM SYSMAIN Α COMMON BLOCK NAME В NAME OF VARIABLE ****WARNING A COMMON VARIABLE IN THE CALLED SUBPROGRAM, INITIALIZED IN BLOCK DATA, IS ASSIGNED A VALUE AND UNDEFINITION WILL OCCUR UPON SUBSEQUENT INVOCATION OF THE CALLED ROUTINE. CALLING SUBPROGRAM CALLED SUBPROGRAM SYSMAIN COMMON BLOCK NAME В NAME OF VARIABLE ************************************ ****WARNING A COMMON VARIABLE MAY REQUIRE A VALUE IN THE MAIN PROGRAM, YET IT IS NOT INITIALIZED IN BLOCK DATA.

> CALLING SUBPROGRAM SYSMAIN

> > В

C

D

COMMON BLOCK NAME

VAR. NAME IN CALLER

VAR. NAME, BLK. DATA

```
****WARNING
   THE DUMMY ARGUMENT
                 A IS ALSO IN COMMON AND MAY BE ASSIGNED
   A VALUE, WHICH IS PROHIBITED.
****WARNING
   THE LOCAL VARIABLE NAMED
                     A, INITIALIZED IN A DATA
   STATEMENT, IS USED AS OUTPUT AND UNDEFINITION MAY OCCUR
   UPON SUBSEQUENT INVOCATION OF THE SUBPROGRAM.
**************************
****WARNING
   THE LOCAL VARIABLE NAMED
                     A, INITIALIZED IN A DATA
   STATEMENT, IS USED AS STRICT OUTPUT AND UNDEFINITION
   WILL OCCUR UPON SUBSEQUENT INVOCATION OF THE SUBPROGRAM.
*************************
********************************
****MESSAGE
   SUBPROGRAM
             A IS NEVER CALLED.
*****MESSAGE
   COMMON VARIABLE
                C IN BLOCK
                          B OF
   SUBPROGRAM
             A IS INITIALIZED IN BLOCK DATA.
******************
****MESSAGE
   THE FOLLOWING COMMON BLOCKS, ALTHOUGH NOT EXPLICITLY IN
   SUBPROGRAM SYSMAIN ARE AVAILABLE TO IT.
            COMMON BLOCK
                        AVAILABILITY
                    Α
                            ALWAYS
                    C
                            SOMETIMES
                    E
                            ALWAYS ....
                    G
                            SOMETIMES
                    Ι
                            ALWAYS ....
STATEMENT NO.
                        BASIC BLOCK NO.
                      1
   THE FOLLOWING COMMON VARIABLES ARE USED AS INPUT WHEN
   SUBPROGRAM
             A IS CALLED.
            CALLING SUBPROGRAM
                        CALLED SUBPROGRAM
                SYSMAIN
                               Α
 COMMON BLOCK NAME
                    В
  NAME OF VARIABLE
                    C
     INPUT CLASS
                 STR. INPUT
```

****MESSAGE

STATEMENT NO.

1 BASIC BLOCK NO.

THE FOLLOWING COMMON VARIABLES ARE USED AS OUTPUT WHEN

SUBPROGRAM A IS CALLED.

CALLING SUBPROGRAM CALLED SUBPROGRAM

SYSMAIN

COMMON BLOCK NAME NAME OF VARIABLE

В С

OUTPUT CLASS *************************

OUTPUT

PART B

| | | | and the second s |
|--|--|---------|--|
| | <u>NO.</u> + | MESSAGE | <u>MEANING</u> |
| AC1 | -1 | **** | Check source for a syntax error in a logical or relational operator, or in a logical constant. [*****: system debugging information] |
| | - 2 | **** | Check source for a syntax error in a logical or relational operator, or in a logical constant. [****: system debugging information] |
| | | | |
| AC2 | -1 | **** | System fault [****: system debugging information] |
| | | | en e |
| | en e | | |
| AC3 | -1 | **** | A syntax error involving the use of * or ** has been encountered. [****: |
| | | | system debugging information] |
| | | | |
| AC4 | -1 | **** | <pre>System fault [****: system debugging information]</pre> |
| | -2 | **** | A syntax error in a line of source containing .D or .E has been encountered. [*****: |
| | · · · · · · · · · · · · · · · · · · · | | system debugging information] |
| | | | and the second of the second o |
| | | | |
| A Printed and Association of the Control of the Con | | | |
| AC5 | -1 | **** | A syntax error in a format specification involving E, D or H has been encountered. [*****: system debugging information] |
| | -3 | **** | An illegal Hollerith specification has been encountered. [****: system debugging information] |
| | | | |

^{*} Name of subroutine in which error occurred.

⁺ A positive error number indicates a non-fatal condition and execution continues; a negative error number indicates a fatal condition and execution terminates.

| THE CONTRACT OF THE CONTRACT O | NO. | MESSAGE | MEANING |
|--|--|--|--|
| ADD | -1 | KEY ERR | System fault |
| - Committee of the Comm | | 8 . | |
| | | | · · · · · · · · · · · · · · · · · · · |
| ASIGN | -1 | IDX · · · | System fault. Possible correction: the system places an upper limit of 20 on the number of parameters in an arithmetic statement function. |
| | e per en | | |
| BLKTAB | -1 | **** | System fault [****: system debugging information] |
| | | | ······································ |
| CGRAPH | -1 | ARRFULL | Cuchem fault Desett |
| CONVALIT | -1 | ARRI ULL | System fault. Possible correction: reduce the number of subprograms being processed simultaneously. |
| | | | |
| | | | |
| | -2 . | ARRFULL | System fault |
| | *** | A STATE OF THE STA | |
| | • • • | | |
| CHR | -1 | **** | An illegal FORTRAN |
| Market State of the American Delice and State | | | <pre>character has been en- countered. [***** gives the illegal character]</pre> |
| | | | and an early of an area of a |
| gill flowing the security in course — security — the majoration and selection in common and all dynamics and a | | | |
| CMDOWN | -1 | MISSING BLOCK | System fault |
| | -2 | UNKNOWN AVAIL | System fault |

| | <u>NO.</u> | MESSAGE | MEANING |
|---|---------------------------------------|-----------|--|
| COMTCH | -1 | **** | System fault [****: system debugging information] |
| | -2 | **** | System fault [****: system debugging information] |
| | | | |
| CONTOK | -1 | BAD TYPE | System fault |
| | -2 | NO END | System fault |
| | -3 | BAD IN | System fault |
| | -4 | BAD IN | System fault |
| | -5 | BAD IN | System fault |
| | | | |
| DATYP | -1 | KEY ERROR | System fault |
| Appendix and comment contents on the contents of the contents | | | |
| ENPATH | -1 | **** | System fault [****: system debugging information] |
| | • • • • • • • • • • • • • • • • • • • | | and the second of the second o |
| EQCHN | -1 | EQUIV ERR | System fault. Possible correction: the system places an upper limit of 100 on the number of variables which can be |
| · | -2 | EQUIV ERR | made (pairwise) equivalent. The same variable name has been incorrectly equivalenced twice. |

| genomenous and an annual an annual and an annual an an | <u>NO.</u> | MESSAGE | MEANING |
|--|------------|--|--|
| EQUIV | -1 | IQMAX | System fault. Possible correction: the system places an upper limit of 100 on the number of variables which can be made (pairwise) equivalent. |
| FU. | | | |
| EXPRSN | -1 | **** | System fault [****: system debugging information] |
| | -2 | **** | Check source for a syntax error in an expression: e.g., the illegal juxtaposition of two operators [*****: system debugging information] |
| | -3 | **** | Check source for a syntax error in an expression: e.g., the illegal juxtaposition of two operators [*****: system debugging information] |
| · · · · · · · · · · · · · · · · · · · | | and the second s | |
| FCALL | -1 | STACKVALUEERROR | System fault |
| | -2 | TOKEN ERROR | System fault |
| | -3 | UNDERFLOW | System fault, or possible incorrect parentheses count in source code: occurring in a subprogram call or arithmetic statement function call. |
| No. | • | e de la companya de l | |
| FLTCHR | -1 | **** | Syntax error in the expression of a real number, or system fault. [***** gives the invalid real number] |

| | <u>NO .</u> | MESSAGE | MEANING |
|--|-------------|--|---|
| GRORDR | -1 | BAD NAME | System fault |
| | | en e | |
| INPVAR | -1 | UNDERFLOW | System fault |
| | -2 | OVERFLOW | System fault |
| | -3 | UNDEFINED INPUT | System fault |
| Processing and the second and the se | | | |
| INTCHR | -1 | **** | Syntax error in the expression of an integer or system fault. [***** gives the invalid integer representation] |
| | | | |
| IOINIT | -1 | PASTEND | System fault |
| | -2 | PASTEND . | System fault. Possible correction: reduce the number of basic blocks, or the number of local or global variables. |
| | -3 | PASTEND | System fault |
| The second secon | -4 | UNCLASS | System fault |
| | - 5. | PASTEND | System fault |
| | -6 | PASTEND | System fault |
| | - 7 | PASTEND | System fault |
| | | | |
| IOSTAT | -1 | CODE ERR | System fault |

| | <u>NO .</u> | MESSAGE | MEANING |
|--|-------------|---------|--|
| IOVUND | -1 | **** | System fault [****: system debugging information] |
| | -2 | **** | <pre>System fault [****: system debugging information]</pre> |
| • | -3 | **** | <pre>System fault [*****: system debugging information]</pre> |
| The second secon | | | |
| ISTYPE | -1 | **** | The use of an illegal character has been detected. [*****: system debugging information] |
| en de seminario de la compansión de la comp | . e e | | |
| LABBLK | -1 | **** | <pre>System fault [*****: system debugging information]</pre> |
| | -2 | **** | <pre>System fault [*****: system debugging information]</pre> |
| | -3 | **** | System fault [****: system debugging information] |
| LASTNB | -1 | **** | System fault [****: system debugging information] |
| | | | |
| LEXST | 1. | **** | System fault [****: system debugging information] |
| | 2 | **** | <pre>System fault [*****: system debugging information]</pre> |
| | 3 | **** | <pre>System fault [****: system debugging information]</pre> |

| | <u>NO.</u> | MESSAGE | MEANING |
|--|--|-----------|---|
| LUNTIL | -1 | **** | A non-ANSI FORTRAN state- ment has been encountered. Check source code for missing parentheses in an IF state- ment or for a missing character (0) in an ASSIGN TO statement. |
| | | | |
| MKLBTB | -1 | **** | There is a labelling error in an ASSIGN, GO TO, or DO statement. [****: system debugging information] |
| | | | |
| NAMCHR | -1 | *** | Syntax error in the expression of a real number, or system fault. [***** gives the invalid FORTRAN variable name representation] |
| en e | | | |
| NXTNB | -1 | **** | <pre>System fault [*****: system debugging information]</pre> |
| en e | en e | | |
| OUTVAR | -1 | UNDERFLOW | System fault |
| | - 2 | OVERFLOW | System fault |
| | - 3 | OVERFLOW | System fault |
| | -4 | UNDEF | System fault |

| The contraction and the contraction of a contraction of the contractio | NO. | MESSAGE | MEANING |
|--|----------------|-----------|--|
| PHASE1 | -1 | **** | A syntax error in the source code has been detected. Check ASSIGN and DO statements. [****: no message] |
| | -2 | **** | A non-ANSI FORTRAN state- ment has been encountered [***** gives system de- bugging information] |
| PRACI | | **** | System fault [****: System debugging informa- tion] |
| | | | |
| PRODM | -1 | NOTDM | System fault |
| | -2 | NOLFTPAR | A syntax error in a dimension statement has been encountered. Check for a missing left parenthesis. |
| gamentus armenon a alone entrelais (SIGATES SIGATES ANTA BOO TRAVET IN THE SIGATES AN | | | |
| PUSH | -1 | **** | System fault. [***** contains system debugging information] |
| gin der richt Stellende Colonia und 2007 (1985) in des jewerings an eine eine verweining gegende. | | | |
| PUTTOK | -1 | **** | <pre>System fault [****: system debugging information]</pre> |
| Amendicanist List discuss selections and the court discussion services and acceptance of the court of the cou | | | and the second of the second o |
| RDWR | -1 | IM.GT.20 | System fault. The system allows a maximum of 20 indices in a READ or WRITE statement. |
| | | | |
| | 4 3 | NOT IDENT | Syntax error detected in a READ or WRITE statement. |

| | NO. | MESSAGE | MEANING |
|--------|----------|----------|--|
| SAVEIO | -2 | VARDIM | An array in COMMON has been found to be variably dimen-sioned. |
| | | | |
| SBMTCH | -1 | OVERFLOW | System fault |
| | -2 | OVERFLOW | System fault |
| | | | |
| SKIP | -1 | **** | A non-ANSI FORTRAN state- ment has been encountered. Check FORTRAN words with special status (e.g., ASSIGN,GO TO) for missing characters. [*****: no message] |
| | | | |
| STEPAR | · -1 | PAR ERR | System fault |
| | ! | | |
| STRDM | -1 | BADTOK | There is an error in the syntax of a dimensioned variable appearing in a declaration statement. |
| | | NORTPAR | A syntax error in a dimension statement has been encountered. Check for a missing right parenthesis. |
| TRANS | -1 | **** | <pre>System fault [****: system debugging information]</pre> |
| | -2 | **** | <pre>System fault [*****: system debugging information]</pre> |
| | -3 | **** | <pre>System fault [*****: system debugging information]</pre> |
| | -4 | **** | <pre>System fault [*****: system debugging information]</pre> |
| | | | And the state of the specific and the state of the specific and the state of the st |

| | NO. | MESSAGE | MEANING |
|-------|-----|---------|--|
| VARPR | 1 | **** | An attempt has been made in line J of the source to supply an input value by means of the variable INPVAR at a point where INPVAR has no value assigned to it. [*****: supplies J, |

PART C

AC1

| NO. | MESSAGE | MEANING |
|-----|---|---|
| -1 | ERRPKT(1)=KCHAR (2)=IPONT (3)=ISAVE | An operator or logical constant has not been found as expected. Probable cause: Syntax error |
| -2 | (1)=INSTK(IPON (2)=IPONT (3)=IEND | NT) A complete operator or logical constant was not found as expected. Probable cause: Syntax error. |

AC2

| NO. | MESSAGE | MEANING |
|-----|--|---|
| -1 | ERRPKT(1)=INSTK(IPON (2)=IPONT (3)=ITYPE | The current character INSTK(IPONT) is not one of those expected. Probable cause: System fault. |

AC3

| <u>NO.</u> | MESSAGE | MEANING |
|------------|---|--|
| -1 | ERRPKT(1)=IBEG (2)=IEND (3)=ISAVE | No non-blank character is found after the asterisk. Probable cause: A syntax problem involving the use of * or ** has been encountered. |

AC4

| NO. | MESSAGE | MEANING |
|-----|---|--|
| 91 | ERRPKT(1)=IBEG (2)=IEND (3)=ISAVE | A non-blank character was not found as expected. Probable cause: System fault. |
| -2 | ERRPKT(1)=IBEG (2)=IEND (3)=ISAVE | Either .D or .E was found. Alone they constitute an illegal string. Probable cause: Syntax error. |

AC5

| <u>NO.</u> | MESSAGE | MEANING |
|------------|-----------------------------------|--|
| -1 | ERRPKT(1)=INST(IPONT (2)=IPONT |) The next character must be an E, D or H and it is not. Probable cause: Syntax error. |
| -3 | ERRPKT(1)=INST(IPONT (2)=IPONT | The length of the Hollerith string is less than or equal to 0. It must be a positive integer. Probable cause: Syntax error - an illegal Hollerith specification has been encountered. |

ADD

| NO. | MESSAGE | <u>MEANIN</u> G |
|-----|-----------|---|
| -1 | "KEY ERR" | Either KEY is less than 0 or KEY is greater than 4; KEY (which is required to classify the symbolic name indicated by INDX) is out of range. Probable cause: System fault. |

ASIGN

| NO. | MESSAGE | MEANING |
|--|-----------------------------------|---|
| -1 | "IDX" | An overflow condition exists. IDUM is dimensioned IDUM(20); IDX, the index into IDUM, exceeds 20. Probable cause: System fault. The system places an upper limit of 20 on the |
| BLKTAB | \(\text{\text{No.}} \) | number of parameters in an arithmetic state-ment function. |
| -1 | ERRPKT(1)=NUM ERRPKT(2)=LENGTH | NUM exceeds LENGTH(=400). The system places an upper limit of 400 on the number of blocks in the current sub- |
| printers have reasoned as a submitted or a submitted contract of a submitted of the law of | | program. <u>Probable cause</u> : System fault. |
| CGRAPH | | |
| | | |
| NO. | MESSAGE | MEANING |
| -2 | "ARRFULL" | An overflow condition in array *IORDR is indicated. IORDR has size IORSZ, and the pointer to the next position (INORDR) of array IORDR exceeds IORSZ. Probable cause: System fault. Reduce the number of programs being processed simultaneously. |
| -1 | "ARRFULL" | IFREE-NXTENT is less than 6, so that there is insufficient space for entry of the 6 table items in array IGRPH. IFREE: pointer to free block for table entries. NXTENT: pointer to free block for linked list entries. Probable cause: System fault. Reduce the number of subprograms being processed simultaneously to prevent IGRPH overflow |

CHR

NO.

MESSAGE

ERRPKT(1) con-The character C is in error, being neither -1 tains a character C a blank, letter, nor digit. Probable cause: An illegal FORTRAN character has been encountered. **CMDOWN** NO. MESSAGE MEANING -1 "MISSING BLOCK" There should be an entry for the common block in IGRPH for this routine, yet it is missing. Probable cause: System fault. -2 "UNKNOWN AVAIL" The adjusted availability classification of a common block in the calling routine being processed cannot be determined on the basis of the combined classifications in the calling and called routines; one of these classifications must be in error. Probable cause: System fault. COMTCH NO. MESSAGE MEANING ERRPKT(1)=IPR(1)There is no entry for the COMMON block -1 in IGRPH. (2) =(2) Probable cause: System fault. -2 ERRPKT(1)=IPR(1)The block is always available in the called subprogram and either some-(2) =times or never available in the calling. Probable cause: System fault. [IPR[1] is the name of an external reference in the subprogram being

MEANING

COMTCH

Continued

NO.

<u>MESSAGE</u>

MEANING

processed] IPR[2] is the name of a COMMON block in IPR[1] currently being processed]

CONTOK

| NO. | MESSAGE | MEANING |
|------------|------------|---|
| -1 | "BAD TYPE" | The type code (ITYPE) from the array TKSTK is outside the permissible range. Specifically, either: ITYPE <jlble itype="" or="">JENDS. Probable cause: System fault.</jlble> |
| -2 | "NO END" | INDEX should point to the next type code in TKSTK. It is found that INDEX equals or exceeds the length (LAST) of TKSTK. Probable cause: System fault. |
| · -3 | "BAD IN" | The starting point (ISTART) of the string input is found to exceed what should be the end (IEND), indicating an error in TKSTK. Probable cause: System fault. |
| -4 | "BAD IN" | The size (IFNIN) of the array INSTK is less than the index (IEND) of the last character of the string input. Probable cause: System fault. |
| - 5 | "BAD IN" | The end (IFNIN) of the array INSTK has been reached (on an apparent ASSIGN statement) without finding a marker "T" to signify the end (IEND) of the input string. Probable causes: System fault, or syntax error in ASSIGN TO statement. |

DATYP

F.

NO. **MESSAGE** MEANING

-1 "KEY ERROR"

The statement being processed is not a type declaration statement as expected; either IVAL<KIN or IVAL>KLG. [IVAL contains the type code of the statement.]

Probable cause: System fault.

ENPATH

NO. MESSAGE MEANING

-] ERRPKT(1)=INDEX

There is no entry for this variable in any list of parameters or common variables in the subprogramwide table.

EQCHN

F.

NO. MESSAGE MEANING

-1 "EQUIV ERR"

The index (ICNX) for table ICHTB exceeds its maximum allowable value (IQMAX). The system places an upper limit of 100 on the number of

variables which can be made (pairwise)

equivalent.

Probable cause: System fault.

"EQUIV ERR" -2

Probable cause:

The same variable or array has been incorrectly equivalenced twice in an illegal

manner.

EQUIV

| <u>NO.</u> | MESSAGE | MEANING | |
|------------|---------|------------------------------|---|
| -1 | "IQMAX" | exceeds the maxi (IQMAX). | tries (IQLN) in IQLST mum number allowed System fault. The system places an upper limit of 100 on the number of variables which can be made (pairwise) equivalent. |
| | | | (barimise) edalialient |

EXPRSN

| NO. | MESSAGE | MEANING |
|-----|--------------------------------|--|
| -1 | ERRPKT(1)=IBEG (2)=IEND | Source string indices are incorrect: IBEG>IEND Probable cause: System fault. |
| -2 | ERRPKT(1)=NEXTPT (2)=LENSTT | The next transition is in error; NEXTPT no longer points to the transition table. (NEXTPT must be less than the length of the table LENSTT). Probable cause: Syntax error in an expression. |
| -3 | ERRPKT(1)=NXTST (2)=KRSTA | The next state is in error; NXTST must be one of 1, 2, 3, 4, 5, but has been found to be 0. Probable cause: Syntax error in an expression. One possibility is the illegal juxtaposition of 2 operators. |

FCALL

| <u>NO.</u> | MESSAGE | MEANING |
|------------|-------------------|--|
| -1 | "STACKVALUEERROR" | A parameter classification of JPREX or JASFA was expected and is not found. Probable cause: System fault. |
| -2 | "TOKEN ERROR" | The token (ITOK) is in error, being none of the expected code number identifiers. Probable cause: System fault. |
| -3 | "UNDERFLOW" | An underflow condition exists, IPT (the index to the array IPAR) is less than O, or IP (the pointer to the array ISTK) is less than O. Probable causes: System fault, or incorrect parentheses count in source code: in subprogram or arithmetic statement function call. |

FLTCHR

| NO. | MESSAGE | MEANING |
|-----|--|--|
| -1 | ERRPKT(1),, ERPPKT(I2-I1+1) contains the seg- ment V(I1),, V(I2) | The input segment V(I1),,V(I2) does not contain a valid representation of a real number. Probable cause: Syntax error in Fortram representation of a real number. |
| | and the second s | and the second of the second o |
| -1 | ERRPKT(1)=I1 ERRPKT(2)=I2 ERRPKT(3)=V(I1) | The parameters II, I2 of the input string are in error, since I2>II. Probable cause: System error. |

GRORDR

| 200 | |
|-----|--|
| 1 | |
| 1 | |
| | |

NO. MESSAGE

"BADNAME"

The array IGRPH, which contains callingtree information, does not contain the name of the caller "N" of the subprogram being processed, yet IGRPH indicates that the subprogram is called by "N" Probable cause: System fault.

INPVAR

| | <u>NO.</u> | <u>MESSAGE</u> | MEANING |
|-------------------|------------|--|--|
| | -1 | "UNDERFLOW" | An underflow condition exists. The index (IP) into array ISTK is less than 0. Probable cause: System fault. |
| | -2 | "OVERFLOW" | An overflow condition exists. The index (IP) into array ISTK exceeds its maximum allowable value (LIM). This value is supplied in a data statement. Probable cause: Systems fault. |
| E ACCEPCITI VAND | -3 | "UNDEFINED INPUT" | The I/O classification for the input variable being examined fits no legal category. Probable cause: Systems fault. |
| Mark Constitution | INTCHR | 1 | |
| | -1 | ERRPKT(1),, ERPPKT(I2-I1+1) contains the seg- ment V(I1),, V(I2) | The input segment V(II),,V(I2) does not contain a valid representation of an integer. Probable causes: Syntax error in the representation of an integer,or system fault. |
| | -1 | ERRPKT(1)=I1 ERRPKT(2)=I2 | The parameters II, I2 of the input string are in error, since I2>I1. |

Probable cause: System error.

ERRPKT(3)=V(I1)

| NO. | MESSAGE | MEANING |
|------------|-----------|--|
| -1 | "PASTEND" | An overflow condition exists; an index (INNOD) into array IBBLT exceeds the maximum allowable value (IBBLTL). Probable cause: System fault. Possible user correction: reduce the number of basic blocks or the number of local or global variables. |
| -2 | "PASTEND" | An overflow condition exists; an index (ISTP) into array <u>ISTOP</u> exceeds the maximum allowable value (ISTPL). <u>Probable cause</u> : System fault. <u>Possible user correction</u> : reduce the number of basic blocks or the number of local or global variables. |
| -3 | "PASTEND" | An overflow condition exists; an index (NUM) into array IBIND* equals or exceeds the value IBNDL. Probable cause: System fault. |
| -4 | "UNCLASS" | The variable's I/O status is unclassified. Probable cause: System fault. |
| - 5 | "PASTEND" | An overflow condition exists; an index (IDTEND) into array IBBLT exceeds the allowable value (IBBLTL). Probable cause: System fault. |
| -6 | "PASTEND" | More than IELMT(=100) variables are equivalenced in a subprogram, exceeding the system limit. Probable cause: system fault. |
| - 7 | "PASTEND" | More than INIDL(=200) global or local variable appear in a subprogram, exceeding the system limit. |

IOSTAT

| NO. | MESSAGE | MEANING |
|-----|------------|--|
| -1 | "CODE ERR" | The I/O class of a parameter in a previously processed subprogram is incorrect. Probable cause: System fault. |

IOYUND

| NO. | MESSAGE | MEANING |
|--------|---|--|
| -1 | ERRPKT(1)=IEXITB (2)=NUM (3)=LHEAD (4)=KCOUNT | Block IEXITB does not have a linked list of entry blocks. It should have a linked list with at least NUM as an entry block. Probable cause: System fault. |
| -2 | ERRPKT(1)=IEXITB (2)=NUM (3)=LHEAD (4)=KCOUNT (5)=LLNUM | Block IEXITB does not have NUM in its entry block list, although IEXITB is listed as an exit block for NUM. Probable cause: System fault. |
| -3 | ERRPKT(1)=KCOUNT | KCOUNT exceeds KSIZE(=50) in value; 50 is the system limit on the possible number of undefined output variables. |
| ISTYPE | | |

MESSAGE

MEANING

A non-ANSI character (ICHAR) is found, where ICHAR=INSTK(IPONT).

Probable cause: Syntax error. Check source for the use of an illegal character.

LABBLK

| <u>NO.</u> | MESSAGE | MEANING |
|------------|----------------------------------|--|
| -1 | ERRPKT(1)=K (2)=LHEAD (3)=LSAVE | The linked list of internal references to an external label is in error. Either: (1) the linked list was constructed improperly so that the list never points back to its original header node, or, (2) there are more than INLABX elements in the linked list. LSAVE: ptr to header for the linked list of internal ref's to an external label. LHEAD: ptr to current node in the linked list. K: block number of external label whose references are being sought. Probable cause: System fault. |
| -2 | ERRPKT(1)=NUMDO ERRPKT(2)=KDO | NUMDO exceeds KDO(=20). The system places an upper limit of 20 on the number of DO statements referring to the same DO-loop closure statement. Probable cause: System fault. Possible user correction: Alter DO statements to correct the above situation. |
| -3 | ERRPKT(1)=JT ERRPKT(2)=INLABX | JT exceeds INLABX(=50). The system places an upper limit of 50 on the number of statements which refer to the same external label. Probable cause: System fault. Possible user correction: Alter statement referencing to correct the above situation. |

LASTNB

| NO. | MESSAGE | MEANING |
|-----|---|--|
| -1 | ERRPKT(1)=IBEG (2)=IEND (3)=IPONT | The pointer (IPONT) is out of range. Must have: IBEG less than or equal to IPONT less than or equal to IEND. Probable cause: System fault. |
| | | system raute. |

LEXST

| <u>NO.</u> | MESSAGE | MEANING_ |
|------------|---|---|
| IERR = +1 | ERRPKT(1)=IERR (2)=J (3)=0 (4)=LLAST (5)=JTYPE (6)=JCODE | The beginning of the subprogram or block data was reached, and no executable statement was found. JCODE=1: subprogram search |
| +2 | ERRPKT(1)=IERR (2)=J (3)=JBLOCK (4)=LLAST (5)=JTYPE (6)=JCODE | The beginning of the block was reached and no executable statement was found. Probable cause: System fault. |
| +3 | ERRPKT(1)=IERR (2)=J (3)=0 (4)=LLAST (5)=JTYPE (6)=JCODE | The value of JCODE was neither 1 nor 2 as required. Probable cause: System fault. |

LUNTIL

NO. MESSAGE

No one of the specified characters being sought was found.

Probable cause: Syntax error. Check source code for missing parentheses in an IF statement or for a missing character [0] in an ASSIGN TO statement.

MKLBTB

| <u>NO.</u> | MESSAGE | MEANING |
|------------|-----------------|--|
| -1 | (2*LCLEN+6) (2* | There is a labelling error in an ASSIGN, GOTO, or DO statement. Probable cause: Syntax error. LCLEN) |

NAMCHR

| -1 | ERRPKT(1),, ERPPKT(I2-I1+1) contains the seg- ment V(I1),, V(I2) | The input segment V(II),,V(I2) does not contain a valid representation of a FORTRAN variable name. Probable causes: Syntax error in FORT. representation of a variable name, or system fault. |
|----|--|--|
| -1 | ERRPKT(1)=I1 ERRPKT(2)=I2 ERRPKT(3)=V(I1) | The parameters II, I2 of the input string are in error, since I2>I1. Probable cause: System error. |

NEXTNB

| NO. | MESSAGE | MEANING |
|-----|---|---|
| -1 | ERRPKT(1)=IBEG (2)=IEND (3)=IPONT | The pointer (IPONT) is out of range. Must have: IBEG-1 less than or equal to IPONT less than IEND. Probable cause: System fault. |

OUTVAR

| NO. | MESSAGE | MEANING |
|------------|-------------|--|
| -1 | "UNDERFLOW" | The index (IP) into array ISTK is less than 0. Probable cause: System fault. |
| - 2 | "OVERFLOW" | The index (IP) into array ISTK exceeds its maximum allowable value (LIM). This |
| | | This value is supplied in a DATA state- ment. Probable cause: System fault. |
| -3 | "OVERFLOW" | The index (IST) into the array ISTOP, the list of stop nodes, exceeds its maximum allowable value (ISTL). Probable cause: System fault. |
| -4 | "UNDEF" | The I/O classification for the output variable being examined fits no legal category. Probable cause: System fault. |

PHASE1

| NO. | MESSAGE | MEANING |
|------------|---|--|
| -1 | [none] | Probable cause: Syntax error. Check for the following: (a) a missing (non-blank) character (b) an error in an ASSIGN statement; "0" not found. (c) an error in a DO statement: required variable not found. |
| - 2 | IERR(1) contains (illegal) value of ITYPE | An illegal statement type has been encountered. Probable cause: Syntax error. Check for a non-ANSI FORTRAN statement. |

PRACI

| <u>NO.</u> | MESSAGE | MEANING |
|------------|-----------|--|
| #1 | a list of | The number of parameters in an arithmetic statement function definition exceeds the system limit IDLMT (=20). Probable cause: System fault. |

PRODM

| <u>NO.</u> | MESSAGE | MEANING |
|------------|------------|---|
| -1 | "NOTDM" | A dimension statement was expected and not found (ITOK<0). |
| - 2 | "NOLFTPAR" | Probable causes: Either a system fault or a syntax error in a dimension statement Check for a missing left parenthesis. |

PUSH

NO. MESSAGE MEANING

-1 ERRPKT=ISTK An overflow condition exists: IP> LSTK where LSTK=100 is the max value of the 1st index in the array ISTK.

Probable cause: System fault

ISTK, created by FCALL, contains the type of call being analyzed in order to handle nested calls.

PUTTOK

MESSAGE MEANING NO.

-1 ERRPKT(1)=IALPHA 2)=IBETA

3)=IFNTK

4)=LNTOK

An overflow condition exists. The index (IFNTK) to the token stack (TOKST) equals or exceeds the max allowable dimension, LNTOK minus 1. Probable cause: System fault.

RDWR

NO. MESSAGE MEANING

-1 IM.GT.20

An overflow condition for array IND exists; IND is dimensioned IND(20.2), and the 1st subscript, referred to as IM,

exceeds 20.

Probable cause: System fault. Possible correction: Change source breaking up READ or WRITE statement

into several statements.

RDWR Continued

The system allows a maximum of 50.

-3 "NOT IDENT" The variable being classified is neither a scalar nor an array; it is not a proper identifier.

Probable cause: Error in source -

something other than a scalar or array appears in a READ or WRITE statement.

SAVEIO

NO. MESSAGE MEANING -2 "VARDIM"

A COMMON array is found to be variably dimensioned; IVAR=1 is returned by the call to BSUBTB. Probable cause: Use of non-ANSI

FORTRAN.

always available to a subprogram cannot exceed

30.

SBMTCH

MEANING NO. MESSAGE -1 "OVERFLOW" The index (IND) into array IGRPH exceeds the max. allowable value (NXTENT). Probable cause: System fault. There is a missing entry in IGRPH. The index (II) into array ICOM exceeds -2 "OVERFLOW" the max. allowable value, 60. Probable cause: System fault. The number of COMMON blocks sometimes or

SKIP

NO.

MESSAGE

MEANING

-1

[none]

The number of non-blank characters designated could not be found.

Probable cause: Syntax error. Check

for a non-ANSI FORTRAN statement.

STEPAR

NO.

MESSAGE

-]

"PAR ERR"

MEANING

(KIND<IHND)

An argument in a call is not of

allowable type.

Probable causes:

Either a syntax error or a system

fault.

STRDM

NO.

MESSAGE

-1

"BADTOK"

MEANING

The value (ITOK) of the token is at variance with the expectations for a dimension statement, since ITOK indicates neither: a comma, right parenthesis, left parenthesis, variable name, nor integer.

Probable cause:

Check for a syntax

error in a dimensioned variable appearing in a declaration statement.

STRDM

Continued

NO. MESSAGE

-2 "NORTPAR"

Probable cause: Syntax error - the right parenthesis is missing for a dimensioned variable.

TRANS

| <u>NO.</u> | <u>MESSAGE</u> | MEANING |
|------------|--|--|
| -1 | ERRPKT(1)=ICODE (2)=KA (3)=KB | The transfer from block KA to KB is not of a recognizable type, i.e., ICODE<1 or ICODE>8 where ICODE indicates the transfer type. Probable cause: System fault. |
| -2 | ERRPKT(1)=ICODE (2)=KA (3)=KB | It is found that LOCA = 0, yet LOCA should be a pointer to the node when KB is an exit block for block KA. Probable cause: System fault. |
| -3 | ERRPKT(1)=ICODE (2)=KA (3)=KB | It is found that LOCB = 0, yet LOCB should be a pointer to the node where KA is an entry block to block KB. Probable cause: System fault. |
| -4 | ERRPKT(1)=ICODE (2)=KA (3)=JTYPE | The type JTYPE of transfer from block KA to block KB is not as expected. Probable cause: System fault. |

VARPR

NO. MESSAGE ' MEANING ERRPKT(1)=INPVAR (2)= J +]

The input variable (INPVAR) is in a basic block output list with I/O type undefined. Thus the variable has no value assigned to it for use as input. J = line number of the statement containing the problem.

Probable cause: Syntax error. Check for illegal use of a variable in line J of code.